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# Smart Street Solution Company

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Smart Street Solution Company

## 1.0. Introduction

Street Smart furniture is open space furniture especially in sidewalks, parks and compounds with smart solution to improve the life quality in our Cities. As the world is developing to a better innovative technology, it is important to integrate and synchronize with today's technology. In addition, sustainability and environmentally friendly products play a huge impact on our lives and planet. It is significant for Saudi companies and investors to lap with 2030 Vision that stimulates a vibrant society, a thriving economy and an ambitious nation. Therefore, creative individuals have decided to establish Smart Street Solutions Company (SSSC) as there is a gap in the Saudi market and the need of such solutions.

### 1.1. Strategy.

#### 1.1.1 Vision Statement:

The board of Smart Saudi solutions Company vision is to establish a long-term customer from public or private sectors to provide a better experience in the public and private open spaces aiming easy, smart, self-served, available, weather adopted, well designed and use friendly street furniture.

#### • Our Values:

|                                                                                                                                                                                        |                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>○ Quality of life</li> <li>○ Sustainability &amp; Environmentally</li> <li>○ Low-cost &amp; High-Quality</li> <li>○ Ambitious nation</li> </ul> | <ul style="list-style-type: none"> <li>○ UI &amp;UX design</li> <li>○ Vibrant society</li> <li>○ Thriving economy</li> </ul> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|

Table 1: Our Values

### 1.1.2 Mission Statement:

The board of Smart Saudi solutions Company's mission is to create innovative smart street furniture solutions that promote the use of public and private open spaces for public users in a more sustainable manner with high standard. Furthermore, this is through providing trades between government and private sectors to create opportunities to sell or advertise their products or services.

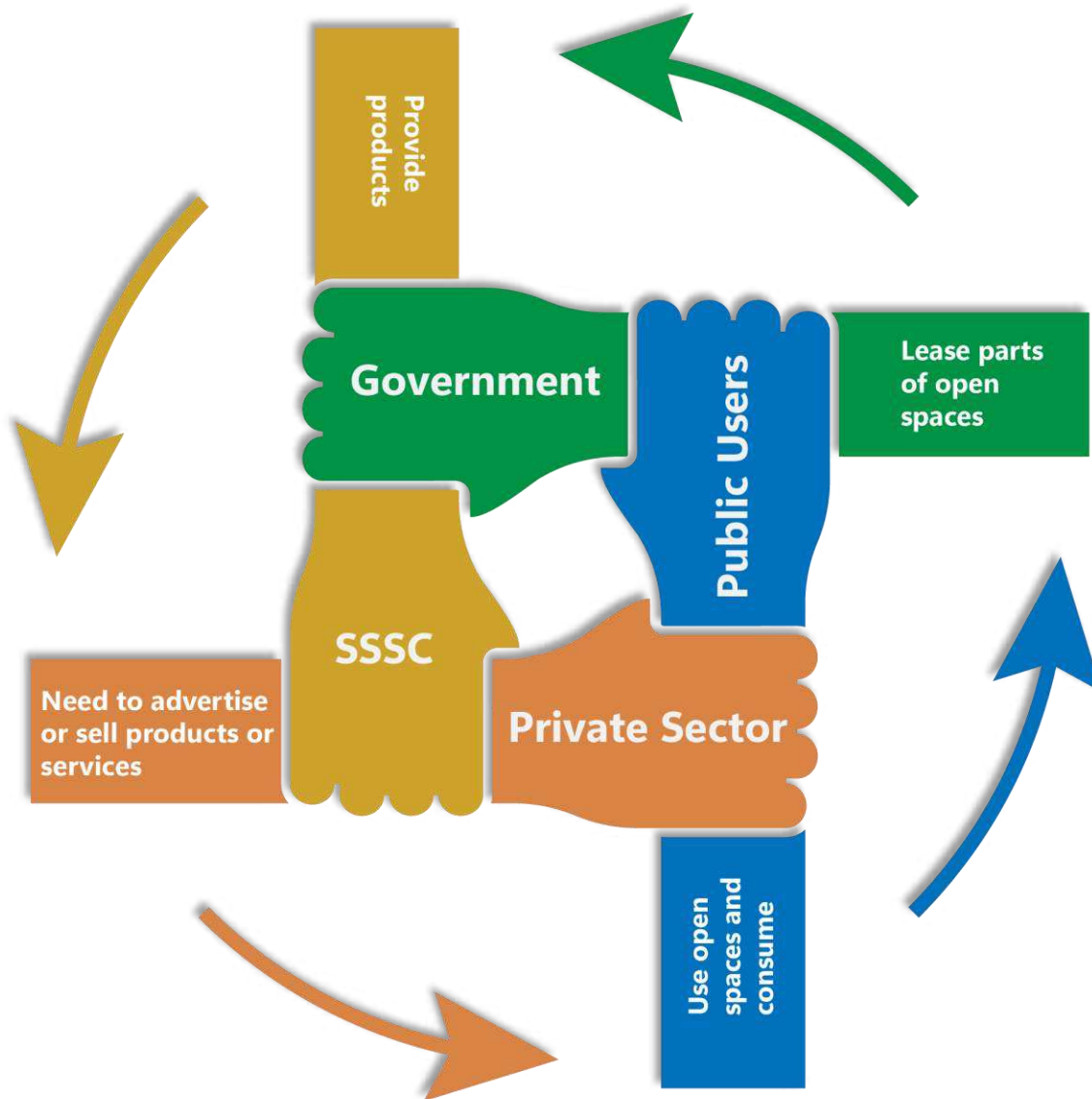


Figure 1: The Business Concept

### 1.1.3 Our Objectives:

The objectives are obtained using a SMART model and created to have a specific measurable Attenable realistic aim in a specific time frame. This is a good practice for the company to reach its goals and see how well they are progressing.

- The main objective is to establishing a Smart Street Solution Company to create three innovative smart street furniture in one year.
- Financial objective is to reach the breakeven point in the first two years and increase sales by accumulative 20% annually for the first 5 years.
- Customer objective is to Meet the customers expectation of using smart street furniture in terms of design, availability, maintenance, easy use, adoptability, safety, legally and development through a regular public surveys and business development department questioning customers experiences every 4 months.
- Internal process is to Create a smart adoptive flexible system as well as finding gaps and full filling it; by a weekly dashboard to monitor and control the work flow cycle and updating the system by smart innovative ideas to meet customer needs and company objectives.
- Learning and Growth is to develop personal careers by training courses and workshops to improve the skills and the mentality of the workforce including high management and the workers on weekly, monthly and yearly base.

### 1.1.4 Lead and Lag:

It is important to create the key performance indicators (KPIs) through the lead and lag methodology to product and measure the performance for the business.

- Leading Indicator is used to set goals to reach the strategic objectives based on the actions required to reach the goals before the business starts.
- Lagging Indicator is used to measure the required and the desired result or performance after the business start.

#### ➤ The main objective:

| <u>Strategic Objective</u>                                                                                                           | <u>Lead Measure</u>                                                                                                    | <u>Lag Measure</u>           |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------|
| ➤ The main objective:<br>establishing a Smart Street Solution Company to create three innovative smart street furniture in one year. |                                                                                                                        |                              |
| Develop three assembly production lines in a plant warehouse                                                                         | Full life cycle of the three products from initiating to closing. (Human resourcing, Design, supply chain, installing) | Ready three sample products. |
| Find the startup fund                                                                                                                | Funding from current team and, Saudi Industrial Development Fund.                                                      | Full Fund is invested        |

Table 2: main objective

## ➤ Financial Perspective:

| <u>Strategic Objective</u>                                                                                                                                 | <u>Lead Measure</u>                                       | <u>Lag Measure</u>              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------|
| <b>➤ Financial Perspective:</b><br>Reach the breakeven point in the first two years and increase sales by accumulative 20% annually for the first 5 years. |                                                           |                                 |
| Reduce production time and decrease production cost                                                                                                        | Automate some of the cycles in the production lines       | Production cost decreased       |
| Add new products and production lines to increase revenues                                                                                                 | Add new innovate products and/or develop current products | Revenue increased               |
| Increase sales in other cities to increase revenues                                                                                                        | Establish agents in other cities                          | Sales increased and so revenues |

Table 3: Financial Perspective

## ➤ Customer perspective:

| <u>Strategic Objective</u>                                                                                                                                                                                                                                                                                                     | <u>Lead Measure</u>                                                                                          | <u>Lag Measure</u>                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>➤ Customer perspective:</b><br>Meet the customers expectation of using smart street furniture in terms of design, availability, maintenance, easy use, adoptability, safety, legally and development through a regular public surveys and business development department questioning customers experiences every 4 months. |                                                                                                              |                                                                                                   |
| Increase the users of smart street furniture in the open spaces                                                                                                                                                                                                                                                                | Make the product easy to use, safe and working well. Also, survey their experience.                          | The users are increased without any complain.                                                     |
| Gain the trust of the service or product providers                                                                                                                                                                                                                                                                             | Ensure the quality of our services through regular development, effective communication, and fast responses. | Full satisfaction and more sales                                                                  |
| Meet the government requirements, legal regulations, and design enquiries                                                                                                                                                                                                                                                      | Apply the government specification code and satisfy their needs                                              | Our products are placed in the government public open spaces and is widely used in their projects |

Table 4: Customer perspective

## ➤ Internal process perspective:

| Strategic Objective                                                                                                                                                                                                                                                                             | Lead Measure                                                  | Lag Measure                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|
| <b>➤ Internal process perspective:</b><br>Create a smart adoptive flexible system as well as finding gaps and full filling it; by a weekly dashboard to monitor and control the work flow cycle and updating the system by smart innovative ideas to meet customer needs and company objectives |                                                               |                                                             |
| establish a smart working system                                                                                                                                                                                                                                                                | Involve all the departments in creating the working cycle map | First Production is used in place and so in-cashflow arises |
| Evaluating and improving the system regularly                                                                                                                                                                                                                                                   | Create the monitor team and weekly dashboards                 | The working cycle, the production, sales are improved       |
| Increase the awareness of the working cycle and its updates                                                                                                                                                                                                                                     | Establish weekly news emails and workshops                    | The culture of improving is spread in the company           |

Table 5: Internal process perspective

## ➤ Learning and Growth Perspective:

| Strategic Objective                                                                                                                                                                                                                                | Lead Measure                                                            | Lag Measure                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------|
| <b>➤ Learning and Growth Perspective:</b><br>Developing personal careers by training courses and workshops to improve the skills and the mentality of the workforce including high management and the workers on weekly, monthly, and yearly base. |                                                                         |                                                   |
| Improve employees' skills                                                                                                                                                                                                                          | Interduce monthly online training or workshops to improve the workforce | Employees satisfaction and better production      |
| Open communication channels and PMIS between departments                                                                                                                                                                                           | Exchange the skills and knowledge between departments                   | Effective collaborations between the workforce    |
| Personal career goals and self-evaluation                                                                                                                                                                                                          | Set personal goals to achieve yearly                                    | Employees self-recognitions and healthy mind sets |

Table 6: Learning and Growth Perspective

### 1.1.5 Project Charter Model:

Project charter is the most important document in the initiating phase that sets the requirements, specifications and objectives of the project. All stakeholders must agree on this document for proceeding and support.

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                           |                                                                                                                                                                                                               |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Name:                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Smart Street Solutions Company (SSSC)                                                                                                     |                                                                                                                                                                                                               |
| Project Description                     | The project is to establish Smart Street Solution Company to build Smart Street furniture solutions for open spaces by opening trades between public and private sector.                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                           |                                                                                                                                                                                                               |
| The need of the project (business case) | The project is required to create a suitable and innovative street furniture to increase the use of public open spaces and to open new business opportunity for public and private sectors.                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                           |                                                                                                                                                                                                               |
| The measurable goals of the project     | <div>➤ Establishing SSSC</div> <div>➤ Finish the full business model for three business lines which are Smart mailbox, smart public seats and smart vending machines in the next 6months.</div> <div>➤ Patterning up with public and private sector 6month from now to the end of the 5 years.</div> <div>➤ Develop and increase our products and production lines</div> <div>➤ Develop and implement a training plan for every member in the company</div> <div>➤ Reach the breakeven point in the first two years and increase sales by accumulative 20% annually for the first 5 years.</div> |                                                                                                                                           |                                                                                                                                                                                                               |
| The requirement of the project          | <div>Location Requirements:</div> <div>➤ Assembly plant warehouse</div> <div>➤ Meeting room</div> <div>➤ Offices facilities</div> <div>➤ Food and rest area</div> <div>➤ Clinic</div> <div>➤ Storage areas</div>                                                                                                                                                                                                                                                                                                                                                                                 | <div>Human resources:</div> <div>➤ Managers</div> <div>➤ Supervisors</div> <div>➤ Workers</div> <div>➤ Drivers</div> <div>➤ A nurse</div> | <div>Other requirements:</div> <div>➤ Assembly equipment</div> <div>➤ Transportation automobiles</div> <div>➤ Lifting automobiles</div> <div>➤ Safety equipment</div> <div>➤ Outsourcing fixed products</div> |
| deliverables and outcomes               | <div>➤ Design drawings</div> <div>➤ Specifications</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <div>➤ Smart street furniture:</div> <div>Mailbox; Vending machines; Smart seats</div>                                                    |                                                                                                                                                                                                               |
| General Risk of the project             | <div>➤ High startup cost</div> <div>➤ Outsourcing delays and miscommunication</div> <div>➤ Not conforming with Government requirement</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                           |                                                                                                                                                                                                               |
| Timeline of the project                 | <div>➤ From Jan. 2023</div> <div>➤ To Jan. 2028</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                           |                                                                                                                                                                                                               |
| Summary Budget                          | <div>➤ SR 3,707,124</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                           |                                                                                                                                                                                                               |
| Authorized Name                         | Eng. Mohammed Alsaqa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                           |                                                                                                                                                                                                               |
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| Phone Numbers                           | <div>➤ 0545454545</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                           |                                                                                                                                                                                                               |

Table 7: Project Charter Model

## 1.2. Governance, Structure, And Process.

### 1.2.1 Organizational Structure:

An organizational chart is a visual representation of a company's internal structure that shows the relationships, functions, and responsibilities of each individual within the organization. Also, organizational chart illustrates the various positions, divisions, and tasks that link the staff members of the business to one another and to the management group.

Organizational charts can be divided into four primary categories: hierarchical, matrix, divisional, and flat. Organizational hierarchy chart: The four most typical forms of organizational charts are as follows:

1. Hierarchical Org Chart: The government and major global institutions have historically used this form of organizational chart the most. It deals with having one group or person at the top, managing affairs and assigning roles and responsibilities to lower management.
2. Matrix Org Chart: This sort of organization is characterized by the fact that there are multiple managers in charge of overseeing and assigning tasks to employees and individuals. For instance, a company might have a group of programmers or graphic designers who all work under the direction of the department in charge of science and technology or the top manager of ICT.
3. A flat organizational chart: often known as a horizontal organizational chart. Middle management positions are few or nonexistent. The top administrators and the employees normally make up the two levels. These kinds of businesses provide their employees more authority and direct access to decision-making. The self-managed organizational structure is another name for the flat type. Between general workers and supervisors, there aren't many

degrees of management. In other words, every executive would likely be supervising a sizable number of workers or interns.

4. Division chart: A divisional structure is a sort of organizational structure that divides each organizational function into groups of people in the organization. Each division has all the tools needed to work remotely or abroad. It serves to offer the assistance a product line or geography department needs (for example, its own finance team, IT management, and marketing departments)

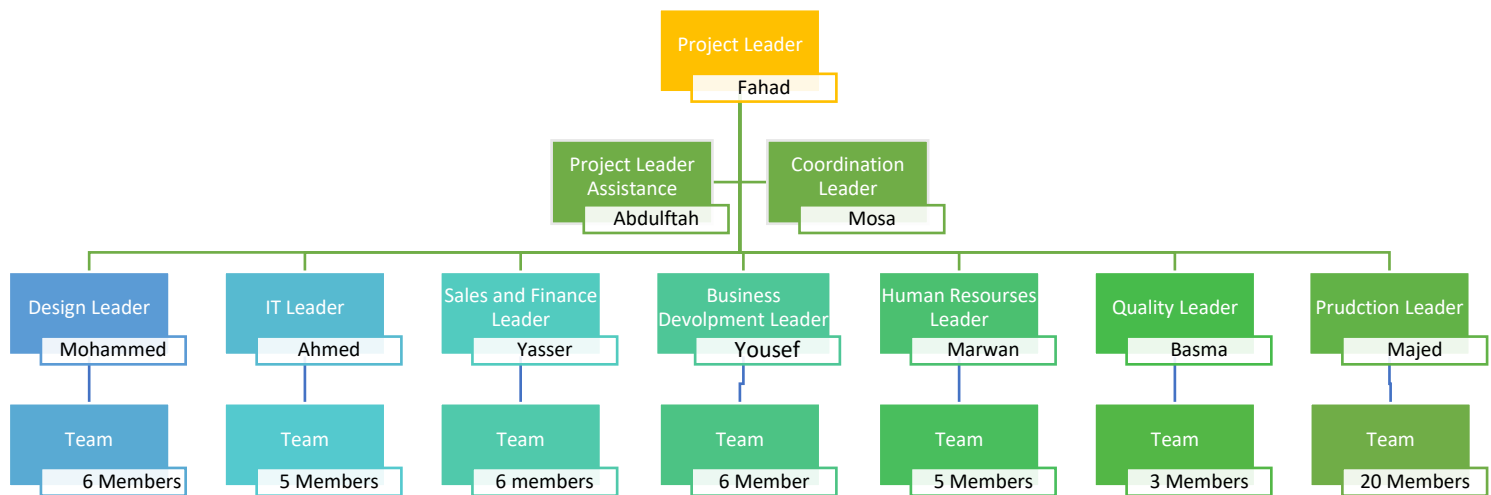


Figure 2: Organizational Structure

### 1.2.2 Developing Organizational Chart:

The organization charter that our company is going to use is the Hierarchical Org Chart. The reason of using this chart is because it is aligned with the company objectives and vision. Moreover, there are a verity of unrelated disciplines such as designing team and sales team. In addition, this chart is more flexible and adoptable to any required changes or improvement in the organization.

### 1.2.3 Project's Office Model:

A project management office, or PMO for short, is a division or office inside a company that establishes and upholds project management standards. The Project Management Office offers standards and guidelines for carrying out projects. Furthermore, A successful PMO combines competent people, efficient procedures, and effective tools.

➤ Types of PMO:

- **Supportive PMO**

Provide advice and consultative ideas by supplying templates, best practices, training, and access to information and lessons learned from previous projects. The degree of control is Low

- **Controlling PMO**

Offer support and require compliance by adopting project management methodologies, frameworks, and processes. Also prepare specific templates, forms, and tools for conformance to governance. The degree of control is Moderate

- **Directive PMO**

Control the project by directly managing the projects portfolio The degree of control is High

**Controlling PMO management type is the more suitable type of our organization. The reason we choose:**

- A. Framework and methodology are the base of our business that will achieve our mission and vision to our business life cycle.
- B. There are different department in our organization that is required to be worked independently to achieve assigned goals. Thus, weekly meeting is required to review the progress and overcome the problems.
- C. Improvement and process altering is required to needed to bring the organization to a better stand.

All team will work in certain Missions in different teams. The project leader, the project leader assistance and the coordinator will help and monitor the work. Also, when the required task is late and require a lot of work at a specific department, the leader of the department will lead all the team to finish the task. This way the whole team will experience the role of being a leader.

## 2.1. Compliance, standers, and regulations.

### 2.1.1 Compliance Model:

| Timeframe           | Goal                                                                                                                                              | Activities                                                                                                                                                                                                                                                                                                                                                                               | Expected (Outcomes)                                                                                                                                                                                                                                                  | Measures of Success                                                                                              |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Jan 2023 – Jan 2024 | <ul style="list-style-type: none"> <li>- Find the startup fund</li> <li>- Develop three assembly production lines in a plant warehouse</li> </ul> | <ul style="list-style-type: none"> <li>- Collect the fund from the stakeholder's investors.</li> <li>- Apply for Saudi industrial development fund</li> <li>- Create the processes</li> <li>- Establish the plant equipment, human resources and other requirement</li> <li>- Rend a warehouse</li> <li>- Finish the legal requirement</li> <li>- Start the operation process</li> </ul> | <ul style="list-style-type: none"> <li>- Funding from current team and , Saudi Industrial Development Fund is complete.</li> <li>- Full life cycle of the three products from initiating to closing. (Human resourcing, Design, supply chain, installing)</li> </ul> | <ul style="list-style-type: none"> <li>- Full Fund is invested</li> <li>- Ready three sample products</li> </ul> |

| Timeframe                              | Goal                                                                                                                                                                                                                                                                  | Activities                                                                                                                                                                                                                                                                                                                                              | Expected (Outcomes)                                                                                                                                                                                                                                                                                                                                                         | Measures of Success                                                                                                                                                                                                                                        |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jan 2023 – Jan 2028                    | <ul style="list-style-type: none"> <li>- Reduce production time and decrease production cost</li> <li>- Add new products and production lines to increase revenues</li> <li>- Increase sales in other cities to increase revenues</li> </ul>                          | <ul style="list-style-type: none"> <li>- Buy and install the automated equipment</li> <li>- Ask the business development team with the designing team to start finding other targeted innovated product</li> <li>- Production line will start to train and apply a new production line.</li> <li>- Establish other agencies on other cities.</li> </ul> | <ul style="list-style-type: none"> <li>- Automating some of the cycles in the production lines are in place</li> <li>- Adding new innovate products are in place</li> <li>- Developing current products are in place</li> <li>- Establishing agents in other cities are in place</li> </ul>                                                                                 | <ul style="list-style-type: none"> <li>- Production cost decreased</li> <li>- Revenue increased</li> <li>- Sales increased and so revenues</li> </ul>                                                                                                      |
| Every 4 month from Jan 2023 – Jan 2028 | <ul style="list-style-type: none"> <li>- Increase the users of smart street furniture in the open spaces</li> <li>- Gain the trust of the service or product providers</li> <li>- Meet the government requirements, legal regulations and design enquiries</li> </ul> | <ul style="list-style-type: none"> <li>- Advertise and improve company's products.</li> <li>- Do regular maintenance</li> <li>- Improve products quality</li> <li>- Ease the dealing process with the costumers.</li> <li>- Do full research of the standers and regulations needed.</li> <li>- Meet up with the governmental officials</li> </ul>      | <ul style="list-style-type: none"> <li>- The product is easy to use, safe and working well.</li> <li>- Survey users experience is in place.</li> <li>- The quality of our services is set.</li> <li>- Regular development, effective communication and fast responses processes are done.</li> <li>- The government specification code and satisfaction are met.</li> </ul> | <ul style="list-style-type: none"> <li>- The users are increased without any complain.</li> <li>- Full satisfaction and more sales</li> <li>- Our products are placed in the government public open spaces and is widely used in their projects</li> </ul> |

| Timeframe                                            | Goal                                                                                                                                                                                                                                                         | Activities                                                                                                                                                                                                                                                                 | Expected (Outcomes)                                                                                                                                                                                                                                        | Measures of Success                                                                                                                                                                                                     |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weekly meetings from Jan 2023 – Jan 2028             | <ul style="list-style-type: none"> <li>- Establish a smart working system</li> <li>- Create the dashboard system.</li> <li>- Evaluating and improving the system regularly</li> <li>- Increase the awareness of the working cycle and its updates</li> </ul> | <ul style="list-style-type: none"> <li>- Apply a smart and easy processes</li> <li>- Create the good PMO.</li> <li>- Do regular meeting and workshops</li> <li>- Establish a weekly newspaper.</li> </ul>                                                                  | <ul style="list-style-type: none"> <li>- The working cycle map is set.</li> <li>- The monitor and control team are in place and working.</li> <li>- The weekly dashboard is established.</li> <li>- weekly news emails and workshops processed.</li> </ul> | <ul style="list-style-type: none"> <li>- First Production is used in place and so in-cashflow arises</li> <li>- production, sales are improved</li> <li>- The culture of improving is spread in the company</li> </ul>  |
| Weekly, monthly, and yearly from Jan 2023 – Jan 2028 | <ul style="list-style-type: none"> <li>- Improve employees' skills</li> <li>- Open communication channels and PMIS between departments</li> <li>- Personal career goals and self-evaluation</li> </ul>                                                       | <ul style="list-style-type: none"> <li>- Provide monthly online skills workshops and courses.</li> <li>- Provide access to the PMIS to all employees</li> <li>- Establish a smart phone network and communication data.</li> <li>- Establish an open-door role.</li> </ul> | <ul style="list-style-type: none"> <li>- Interduce monthly online training or workshops to improve the workforce</li> <li>- Exchange the skills and knowledge of departments between each other</li> <li>- Set personal goals to achieve yearly</li> </ul> | <ul style="list-style-type: none"> <li>- Employees satisfaction and better production</li> <li>- Effective collaborations between the workforce</li> <li>- Employees self-recognitions and healthy mind sets</li> </ul> |

Table 8: Compliance Model

## 2.1.2 Project Check List Model:

- **Initiation Stage** is launching a process that can result in the authorization of a new project. Where the project is defined, project, constraints, goals, appointment of the project manager, budget, expected timeline.
- **Planning Stage** is the roadmap for the project team to follow, where the scope of the project is defined and a project management plan is developed. In addition to, identifying the cost, quality, available resources, and a realistic timetable.
- **Execution Stage** at which team develops and completes deliverables, assign resources, execute project management plans, procurement management plan, status meetings, update project schedule and modify project plans as needed.
- **Monitoring Stage** is where project performance and monitoring ensure that project results align with the management plan. Key Performance indicators (KPIs) are used on this stage to track performance and progresses of project objectives, quality of deliverables, cost and performance.
- **Closure Stage** is where project is complete, and meetings to evaluate successes and failures are done.

| Stage        | initiation                                                                                                                                                                                                       | planning                                                                                                                                                                                                                                                     | execution                                                                                                                  | monitoring                                                                                                                                                                                                     | closure                                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Requirements | <ul style="list-style-type: none"> <li>Project charter.</li> <li>Project stakeholders.</li> <li>Project region.</li> <li>Origination structure.</li> <li>Project Plan.</li> <li>Project requirements.</li> </ul> | <ul style="list-style-type: none"> <li>Project schedule.</li> <li>Communication plan.</li> <li>Deliverables.</li> <li>The scope.</li> <li>Work breakdown structure.</li> <li>Project timeline.</li> <li>S.M.A.R.T.</li> <li>Risk Management plan.</li> </ul> | <ul style="list-style-type: none"> <li>Efficient workflows.</li> <li>Effective collaboration.</li> <li>Progress</li> </ul> | <ul style="list-style-type: none"> <li>Progress of work according to the plan and meeting project s objectives.</li> <li>Key Performance Indicators (KPI).</li> <li>Critical Success Factors (CSF).</li> </ul> | <ul style="list-style-type: none"> <li>Detailed report of the entire project.</li> <li>Ensure project objective is met.</li> </ul> |

Table 9: Project Check List Model

## 2.2. Power and interest

### 2.2.1 Stakeholder Register:

- **Stakeholder** is a party that has an interest in a company and can either affect or be affected by the business. The primary stakeholders in a typical corporation are its investors, employees, customers, and suppliers.
- **Internal Stakeholders** are people whose interest in a company comes through a direct relationship, such as employment, ownership, or investment.
- **External Stakeholders** are those who do not directly work with a company but are affected somehow by the actions and outcomes of the business.

| Name           | Role                                                                        | Stakeholder type | Expectations                                        | Contact information        | Method of contacting                              |
|----------------|-----------------------------------------------------------------------------|------------------|-----------------------------------------------------|----------------------------|---------------------------------------------------|
| Public sector  | Regulator and leaser                                                        | External         | Approve our design and leasing spots in open spaces | Email<br>Phone             | Meetings, Virtual meeting, Calls, Emails, letters |
| Private Sector | Investors and sponsors                                                      | External         | Invest and buy our products                         | Email<br>Phone             | Meetings, Virtual meeting, Calls, Emails, letters |
| Community      | End users                                                                   | External         | Use, consume and buy from our products              | Social media<br>Our boards | Survey, QR code                                   |
| Vendors        | Materials suppliers                                                         | External         | Deliver requirement on time                         | Email<br>Phone             | Meetings, Virtual meeting, Calls, Emails, letters |
| Contractors    | Transportations, installation, maintains and agents (in other cities) teams | External         | Deliver, install, maintain and sell our products    | Email<br>Phone             | Meetings, Virtual meeting, Calls, Emails, letters |
| Managers       | Manage                                                                      | Internal         | Mange the team and meet objectives, bring ideas     | Email<br>Phone             | Meetings, Virtual meeting, Calls, Emails, letters |
| Team           | Do the tasks                                                                | Internal         | Finish the tasks, behave well, and create ideas     | Email<br>Phone             | Meetings, meeting, Calls, Emails                  |

Table 10: Stakeholder Register

## 2.2.2 Influence/Interest Diagram:

### ➤ How to deal with Stakeholders:

|           |                                                                                                                                                                                                                      |                                                                                                                                                                                                                                       |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INFLUENCE | Keep satisfied <ul style="list-style-type: none"> <li>• Develop advocacy strategy to get their buy-in</li> <li>• Consult or involve in key activities</li> <li>• Work with other actors to influence them</li> </ul> | Manage closely <ul style="list-style-type: none"> <li>• Consult at key decision points</li> <li>• Establish formal partnerships</li> <li>• Conduct joint assessments</li> <li>• Hold regular coordination meeting</li> </ul>          |
|           | Monitor <ul style="list-style-type: none"> <li>• Monitor potential negative impact of actor</li> <li>• Work with other supportive actors to influence and gain support</li> </ul>                                    | Keep informed <ul style="list-style-type: none"> <li>• Consult at key decision points</li> <li>• Establish formal partnerships</li> <li>• Capacity building to increase influence</li> <li>• Provide updates on activities</li> </ul> |
|           | INTEREST                                                                                                                                                                                                             |                                                                                                                                                                                                                                       |

Table 11: How to deal with Stakeholders

### ➤ Project stakeholder's matrix:

|           |                                                                                                                          |                                                                                                                                 |
|-----------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| INFLUENCE | High influence and low stake <ul style="list-style-type: none"> <li>• public sector</li> <li>• Private Sector</li> </ul> | High influence and high stake <ul style="list-style-type: none"> <li>• Community</li> <li>• Managers</li> </ul>                 |
|           | Low influence and low stake <ul style="list-style-type: none"> <li>• Government Sponsors</li> </ul>                      | Low influence and high stake <ul style="list-style-type: none"> <li>• Team</li> <li>• Vendors</li> <li>• Contractors</li> </ul> |
|           | INTEREST                                                                                                                 |                                                                                                                                 |

Table 12: Project stakeholder's matrix

### 2.2.3 logical diagram:

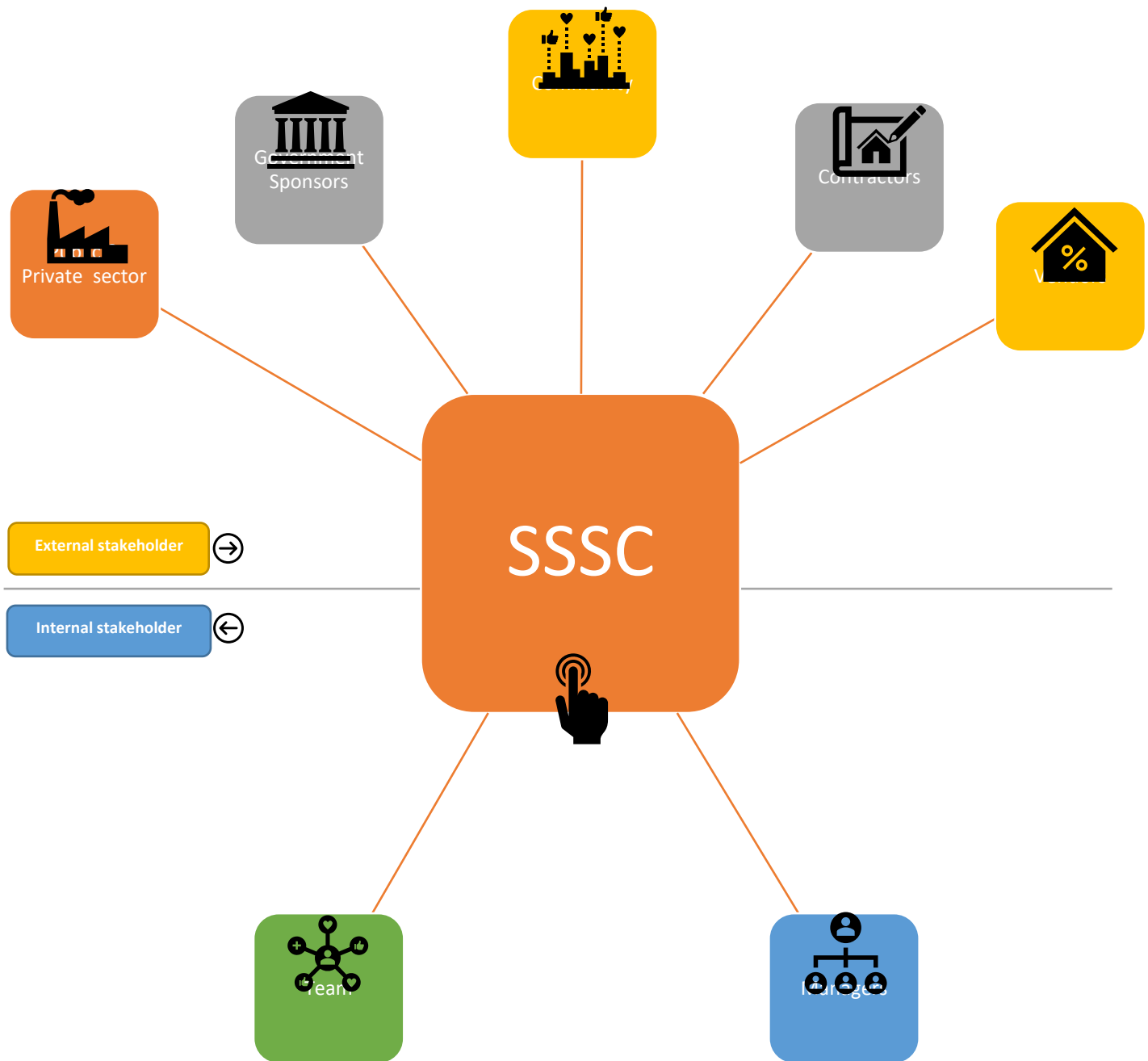


Figure 3: logical diagram

## 2.3. Culture and Values.

### 2.3.1 The Culture of The Organization:

An organization's culture defines the proper way to behave within the organization. This culture consists of shared beliefs and values established by leaders and then communicated and reinforced through various methods, ultimately shaping employee perceptions, behaviors and understanding.

### 2.3.2 Organization's Values:

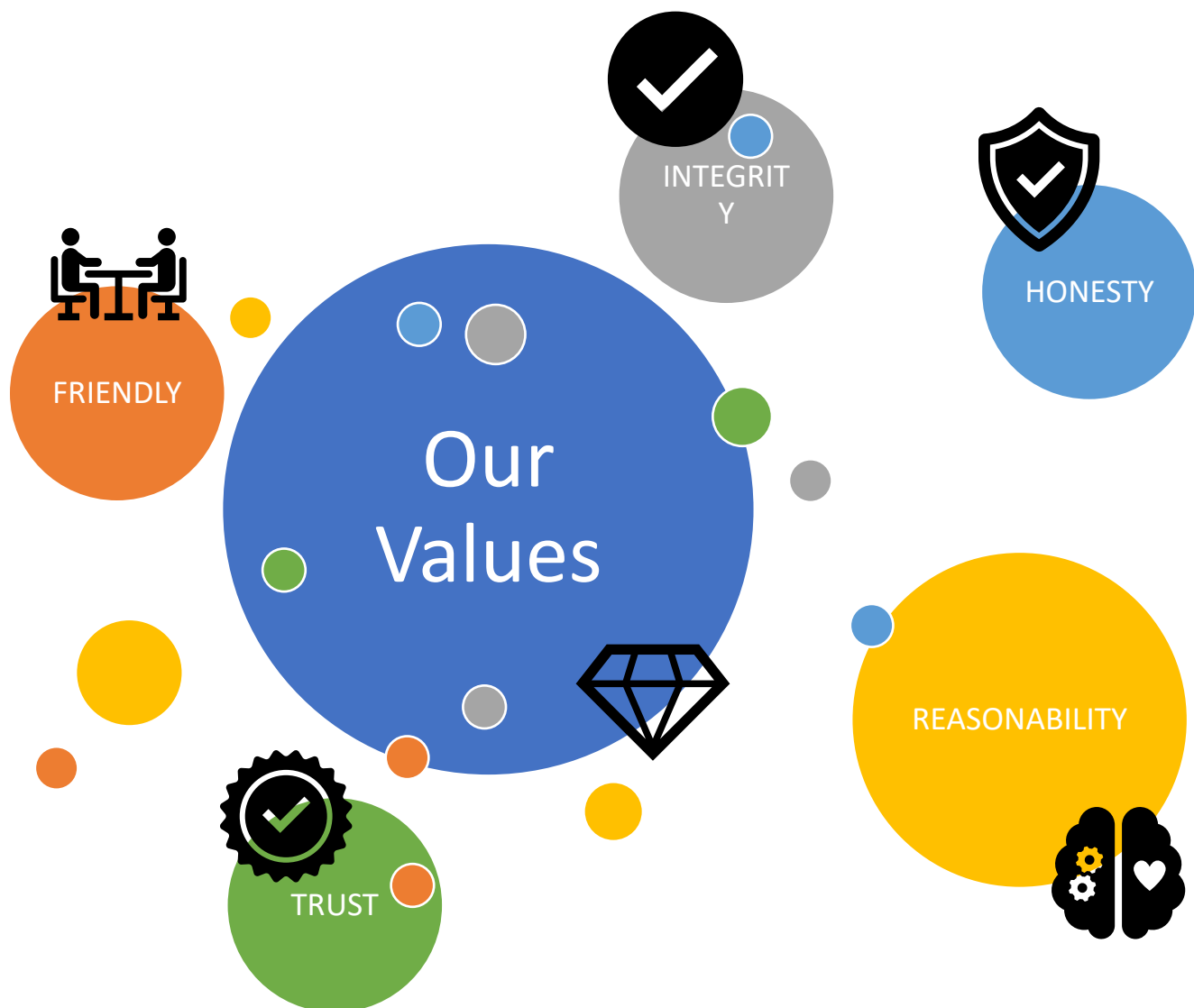


Figure 4: Organization's Values

## 3.1. Self-Reflection and Self-Management

### 3.1.1 Personal Behavior of The Students:

- delivery tasks delay.
- Communications gaps.
- Lack of knowledge.

### 3.1.2 Behaviors Studies and Elimination Techniques:

- delivery tasks delay.
  - Not attending meeting or classes.
    - Arrange meeting at appropriate time.
    - Make sure everyone will attend the meeting.
  - Lack of time management.
    - Follow up regularly.
    - Review tasks delivery on regular basis.
- Communications gaps.
  - No effective communications methods.
  - Weakness in communication skills.
- Lack of knowledge.
  - Improving the knowledge.
  - Reading more about the project.
  - Meet with professional people in same field.

### 3.1.3 SWOT Model:



#### Strengths

- He's very positive thinking person.
- He's great with people.
- He has good experience in his filed.



#### Opportunities

- He needs to start speaking in front of little groups.
- Reading and growth knowledge.
- Improving his writing skills.



#### Weaknesses

- He can be easy to get nervous when he stands in large of people.
- He got distracted easily.
- He doesn't good in writing skills.



#### Threats

- He doesn't have specific professional qualifications.
- He doesn't good public speaker.
- Too much pressure in life.

Table 13: SWOT Model

## 3.2. Personal Integrity and Reliability

### 3.2.1 Contradiction of Moral Indignity Behavior:

| # | Contradict Moral Behavior | Financial Analysis                                                   | Social Analysis                                                                           | Technical Analysis                                                  |
|---|---------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 1 | Favoritism                | - Targeted results get blurred.                                      | 1-Unhealthy competition.<br>2-Future resource planning is affected.                       | -The right people for the right job cannot be hired.                |
| 2 | Theft                     | 1- Leakage of financial resources.<br>2-Internal system get drifted. | 1-Bad image about company.<br>2-Shareholders can be hesitant to invest in such companies. | -Company policies will be compromised.                              |
| 3 | Bribe                     | -System gets derailed.                                               | -Moral and ethical values are compromised.                                                | -Company image will be polluted.                                    |
| 4 | Bills fraud               | - Products cost will be increased due to manipulation.               | - Bad impression among community members about company.                                   | -Company cannot survive in the long run if such practices continue. |

Table 14: Contradiction of Moral Indignity Behavior

### 3.2.2 Analyses of Contradiction of Moral Indignity Behavior:

#### 1. Favoritism:

##### A. Financial Analysis:

- Targeted results get blurred.

##### B. Social Analysis

- Unhealthy competition.
- Future resource planning is affected.

##### C. Technical Analysis:

- The right people for the right job cannot be hired.

## **2. Theft:**

### **A. Financial Analysis:**

- Leakage of financial resources.
- Internal system gets drifted.

### **B. Social Analysis:**

- Bad image about company.
- Shareholders can be hesitant to invest in such companies.

### **C. Technical Analysis:**

- Company policies are compromised.

## **3. Bribe:**

### **A. Financial Analysis:**

- System gets derailed.

### **B. Social Analysis:**

- Moral and ethical values are compromised.

### **C. Technical Analysis:**

- Company image will be polluted.

## **4. Bills fraud:**

### **A. Financial Analysis:**

- Products cost will be increased due to manipulation.

### **B. Social Analysis:**

- Bad impression among community members about company.

### **C. Technical Analysis:**

- Company cannot survive in the long run if such practices continue.

### 3.3. Personal Communication

#### 3.3.2 Personal Communication and Effective Communication:

- **Personal communication** is a process of continuous and direct interaction between the communicator and the receiver, through which information, opinions and trends are exchanged between the two parties to the communication. Which ultimately leads to influencing the future to achieve a goal.

It can be said that it is that which takes place between a number of people directly and without an intermediary, so that communication is through words, signs or movements or indirectly by using technology to deliver and receive the message.

Communication is one key element which has to be applied effectively throughout a project's life cycle from the beginning till the end. Hence, why is it that Project Managers are not communicating effectively? Examples of personal communication include conversations, email, text messages, online chats or direct messages, personal interviews, telephone conversations, live speeches, unrecorded course lectures, memos, letters, messages from non-archived discussion groups or online bulletin boards, social media shared with "team" only. By observing some relatively easy to remember questions and concerns related to communication, a project team can be more effective in communicating with their project stakeholders.

Effective communication will generally lead to better outcomes and, therefore, a higher likelihood for overall project success.

- Flexibility
- Echo
- Recruitment of opinion leaders
- Bidirectional
- Immediate reaction
- Possibility to control the communication process
- Picture messages accompanying the basic information to be conveyed, which is considered as a “decoration” that serves a particular scene.
- Non-verbal communication
- Spontaneity

#### ➤ **Effective communication**

It is one of the skills that an individual acquires so that he is able to communicate his thoughts, opinions and messages to a particular person or audience in a way that ensures that the target person is convinced of what he says or expresses, and it is more than just an exchange of messages between individuals; It is related to the emotions and intentions that lie behind these messages, in addition to the person's ability to convey these messages clearly and simply, and to understand everything the other person says and feel that he is listening to him and understanding what he says.

- Questioning skill.
- Explanation skill
- Eye communication skill
- civilized behavior
- facial expressions

### 3.3.3 Shapes, Models, and Channels of The Personal Communication:

Communication is the process of creating, interpreting, and negotiating meaning. Communication can be verbal, nonverbal, or textual. It can be aural, visual, or even physical. Although communication occurs in a variety of different ways, it is always a learned behavior.

#### ➤ Models of Communication

- Linear Models
- Interactional Models
- Transactional Models

#### ➤ Communication Channels

- Face-to-face communication
- Video conferencing
- Phone calls
- Emails
- Text messages
- Online messaging platforms
- social media

### 3.3.4 Communication Matrix:

A communication matrix is a document summarizing the communication management plan for a project. To remain effective, the communication matrix must be accessible to all stakeholders and updated throughout the project. Let's look at one way a matrix can be formatted.

| Communication                                   | Format                    | Frequency   | Owner               | Distribution                   | Escalation |
|-------------------------------------------------|---------------------------|-------------|---------------------|--------------------------------|------------|
| <b>Weekly Status update</b>                     | E-mail                    | Once a week | PM                  | All project team               | CEO        |
| <b>Technical &amp; Creative Design Meetings</b> | In person / Face-to- face | Monthly     | Technical lead      | Technical team                 | PM         |
| <b>business development</b>                     | Face-to- face             | ¼ year      | Development Manager | VIP Stakeholders               | CEO        |
| <b>Project Status Reports</b>                   | Email                     | Monthly     | Project manager     | Project manager & Stakeholders | PMO & CEO  |
| <b>Risk register update</b>                     | Face to face & conference | monthly     | Risk Manager        | All project team               | PM & CEO   |
| <b>Training meeting</b>                         | Face-to- face             | Annual      | Technical lead      | All project team               | PMO & CEO  |
| <b>Weekly Status update</b>                     | E-mail                    | Once a week | PM                  | All project team               | CEO        |
| <b>Technical &amp; Creative Design Meetings</b> | In person / Face-to- face | Monthly     | Technical lead      | Technical team                 | PM         |
| <b>business development</b>                     | Face-to- face             | ¼ year      | Development Manager | VIP Stakeholders               | CEO        |

Table 15: Communication Matrix

In project management, a communication plan is an outline of how we are going to communicate important, ongoing project information to key stakeholders. Your communication plan will help your team understand who should be getting which notifications and when to loop in project stakeholders. As part of our communication plan, you'll clarify which channel stakeholders should use and when, how frequently different details should be communicated, and who is responsible for each of the different channels. Sharing a communication plan can give our team clarity about which tools to use when and who to contact with each of those tools.

### 3.3.5 Wrong Scenarios of Communications:

A common denominator in challenged projects is poor communication. What are the results? Stakeholders make bad assumptions. Team members don't trust one another. Work has to be redone. Example of wrong communications:

- **Giving stakeholders irrelevant information.**

Some project managers email the project documents to all stakeholders including the project schedule, budget, process improvement plans, weekly status reports, project risks, and stakeholder analysis, to name a few. What do you think the stakeholders do? Yes, most ignore the email and miss critical information.

- **Not planning project meetings.**

How often have we attended a project meeting and left mumbling—what's was that all about? Many meetings are a complete waste of time. Why? Little thought in the planning.

- **Assuming That Your Message Has Been Understood.**

Always take time to check that people have understood your message. For example, when you send out an email, could encourage people to respond with questions or to reply, if they haven't understood part of your message. Or, if you've given a presentation, build in time for people to discuss your main points or leave time for questions at the end.

### 3.3.6 Stakeholder Assessment Matrix:

Consists of several rows, each of them representing one stakeholder (or a group of homogenous stakeholders, if applicable). The columns indicate the level of engagement. suggests the following classification: Each stakeholder falls under one of the following five categories, depending on the level of support for the project:

- Unaware: Stakeholders are unaware of the project and its potential impacts.
- Resistant: Stakeholders are aware of but not supportive of the project.
- Neutral: Stakeholders are aware of the project, but they don't have an opinion regarding their support for it.
- Supportive: Stakeholders are supportive of the project & wish it to succeed.
- Leading: Stakeholders are actively engaged in project success and are willing to lend assistance to help it succeed.

| Stakeholder    | Strength/Interest | Unaware | Resistant | Neutral | Supportive | Leading |
|----------------|-------------------|---------|-----------|---------|------------|---------|
| CEO            | High/High         |         |           |         | C          | C       |
| Project        | High/High         |         |           |         | C          | C       |
| Technical lead | Low/High          |         |           |         | C          |         |
| Development    | Low/High          |         |           | D       |            |         |
| Risk Manager   | Low/High          |         | D         |         |            |         |
| Suppliers      | Low/Low           |         | D         |         | C          |         |
| CEO            | High/High         |         |           |         | C          | C       |

Table 16: Stakeholder Engagement Assessment Matrix with Desired ("D") And Current ("C") Levels of Engagement Per Stakeholder

## 4.1. Leadership

### 4.1.1 Leadership Model:

- **Leadership** is the process of leading a group and influencing that group to achieve its goals, and it requires the development of specific and unique soft skills along with the more typical hard skills (Soft skills are key traits that often apply to communication, decision making, leadership abilities, attitude, instincts, and work ethics.
- **Leadership Models:**
  - Coaching Leadership Model involves teaching, supervising, helping and motivating followers to improve their skills. A coaching leader is a great mentor is a pioneer who also has a remarkable ability to instruct and train.
  - Democratic Leadership Model subordinates are involved in making decisions depends on the group been counseled and their feelings being esteemed relies on the skills and knowledge of team members.
  - Laissez-faire Leadership Model gives authority to employees. Subordinates are allowed to work as they choose, with complete freedom to make decision and with minimal or no interference from the leader.
  - Pacesetting leadership is when the leader sets an example of high performance, high pace and high quality. Team members are expected to follow suit, and the pacesetting leader values results more than anything. Leader is highly focused on performance and expects the same of the team. Works best with teams that already perform at a high level.
  - Charismatic Leadership Model a charismatic leader is an enthusiastic, self-confident leader whose personality and actions influence people to behave in certain ways.

### 4.1.2 Model Chosen and Reasons:

Charismatic Leadership Model is the model that has been chosen. The most comprehensive analysis of charismatic leaders identified the following personal characteristics they share:

- They have a vision.
- They have the ability to articulate that vision.
- They are willing to take risks to achieve that vision.
- They demonstrate behaviors that are out of the ordinary.

### 4.1.3 Motivation Methods:

Motivation refers to the process by which a person's efforts are energized, directed, and sustained toward attaining a goal. A successful project leader must have a way of motivational factors for others. they must understand

the basic needs of employees, peers, and his superiors. Leadership is used as a means of motivating others.

- 1- Money / Power: Annual bonus from profits
- 2- Recognition: Certificates of Appreciation for Outstanding Employees
- 3- Interpersonal Relationships:
- 4- Autonomy / Interesting Work
- 5- Purpose
- 6- Mastery / Exploration

## 4.2. Teamwork

### 4.2.1 RACI Model:

RACI is an acronym for Responsible, Accountable, Consulted and Inform. A responsibility assignment matrix describes the participation by various roles in completing tasks or deliverables for a project or business process. It is used for clarifying and defining roles and responsibilities in cross-functional or departmental projects and processes, where:

- Responsible is “The Doer” the individual or Individuals who perform an activity - responsible for an action, there may be several Rs.
- Accountable “The Buck Stops Here” The individual who is ultimately Accountable has the yes/no and power to veto an activity or decision providing the Sponsor is in agreement.
- Consulted “In the Loop” The individual or individuals who need to be consulted prior to a task or action being completed their expert knowledge relating to the task is considered important. This is a two-way communication.
- Informed “The individual or individuals who needs to be informed after a decision or action is taken. One-way communication.

| Tasks \ Roles            | Responsible | Accountable | Consulted   | Informed   |
|--------------------------|-------------|-------------|-------------|------------|
| Mission and Vision       | Yousef      | Mohammed    | Yasser      | Fahad (PM) |
| Project Chart            | Mousa       | Abdulfattah | Majed       | Fahad (PM) |
| Organizational Structure | Basma       | Majed       | Abdulfattah | Fahad (PM) |

Table 17: RACI Model

## 4.3. Conflict and Crisis

### 4.3.1 Conflict:

**Conflict** is a natural ingredient in every origination and has been defined as “the process which begins when one party perceives that the other has frustrated, or is about to frustrate, some concern of his” (Thomas, 1976, p. 891).

### 4.3.2 Expected Scenarios of Conflict:

#### **Scenario 1: Miscommunication/Misunderstanding**

Which can arise based on that the team has different individuals how come from different practices different and career backgrounds. In addition to not having a good trust on each other.

#### **Scenario 2: Conflict based on priorities/ resources**

Which can occur over financial resources between the costumer services department and the marketing department, as they deserve a higher percentage of the budget.

#### **Scenario 3: Conflict over cost/Suppliers' conflict**

Which can happen between the organization and the supplier of materials due to notice of delay in delivery of materials after contracting.

### 4.3.3 Optimal Strategies to Deal with each Conflict:

According to Thomas-Kilmann conflict mode instrument which was developed by K. W. Thomas and R. H. Kilmann (1974, 2000):

- Competing/ Forcing is a win-lose resolution technique.
- Collaborating is a win-win resolution technique.
- Compromising is a lose-lose resolution technique.
- Avoiding is a lose-lose resolution technique.
- Accommodating is a lose-win resolution technique.

### 4.3.4 Root Cause Analysis:

Root cause analysis defined (RCA) is a systematic process for identifying “root causes” of problems or events and an approach for responding to them. RCA is based on the basic idea that effective management requires more than merely “putting out fires” for problems that develop but finding a way to prevent them. RCA helps organizations avoid the tendency to single out one factor to arrive at the most expedient (but generally incomplete) resolution. It also helps to avoid treating symptoms rather than true, underlying problems that contribute to a problem or event.

| Scenario 1                   | Scenario 1: Miscommunication/Misunderstanding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conflict description         | Which can arise based on that the team has different individuals who come from different practices different and career backgrounds. In addition to not having a good trust on each other.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Conflict resolution strategy | (Win-win strategy).<br>How to deal? Having multiple meetings to increase understanding and allow an appropriate time or enough time for and questions and concerns from different team members to ask other to provide needed explanation and knowledge to make clear understanding.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Root Cause Analysis          | <ul style="list-style-type: none"> <li>○ <b>Define the problem:</b> The design team deliver the wrong model or wrong design. <ul style="list-style-type: none"> <li>▪ Countermeasure: Deliver correct requirements.</li> </ul> </li> <li>○ Why? (Design Team): because they did not get the correct requirements. <ul style="list-style-type: none"> <li>▪ Countermeasure: Coordinate effectively with the design team</li> </ul> </li> <li>○ Why? (Design Leader): leader did not attend the weekly meeting with the management and failed to coordinate correct requirements <ul style="list-style-type: none"> <li>▪ Countermeasure: Ensure that design leader has the correct requirements.</li> </ul> </li> <li>○ Why? (Coordinator): Project coordinator did not coordinate with team leader do to attend the meetings. <ul style="list-style-type: none"> <li>▪ Countermeasure: Make sure to coordinate with all leaders from all departments effectively.</li> </ul> </li> </ul> |

| Scenario 2                   | Conflict based on priorities/ resources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conflict description         | Which can occur over financial resources between the production department and the design department, as they deserve a higher percentage of the budget.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Conflict resolution strategy | (Win-lose strategy).<br>From the point of view of the management of the organization, production department is the base line of our products, and the number of customers is few, and I preferred to give a higher budget to the production department to increase the design department.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Root Cause Analysis          | <ul style="list-style-type: none"> <li>○ <b>Define the problem:</b> Overspending of the production department <ul style="list-style-type: none"> <li>▪ Countermeasure: efficient production is the most required.</li> </ul> </li> <li>○ Why? (Production Department): overtime is open throughout the whole year. <ul style="list-style-type: none"> <li>▪ Countermeasure: overtime is only open during the submission of our products.</li> </ul> </li> <li>○ Why? (Human Resource Department): Low human resource department performance cause a miscontrolling of the working hours in the system. <ul style="list-style-type: none"> <li>▪ Countermeasure: redevelop human resources department working hours system to control the required overtime for the needed personals.</li> </ul> </li> </ul> |

| Scenario 3                   | Conflict over cost/Suppliers' conflict                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conflict description         | Which can happen between the organization and the supplier of materials due to notice of delay in delivery of materials after contracting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Conflict resolution strategy | (Lose-lose strategy).<br>Bentley to the supplier has been done by 30% of the value of the last payment due to delay in delivery of materials on time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Root Cause Analysis          | <ul style="list-style-type: none"> <li>○ <b>Define the problem:</b> miscommunication between vendor supervisor and his employees regarding the schedule and time of transportation. <ul style="list-style-type: none"> <li>▪ Countermeasure: re-coordination and multilabel communication from the coordination department must be done through varies types of communication channels to make sure all deliveries on schedule.</li> </ul> </li> <li>○ Why? (vendor): one supervisor is responsible with multilabel customers dealings. <ul style="list-style-type: none"> <li>▪ Countermeasure: make sure in our contracts that one supervisor is only specialized to our dealing</li> </ul> </li> <li>○ Why? (Production department): our team is not trained to handle this type of contracts. <ul style="list-style-type: none"> <li>▪ Countermeasure: training and courses for the production team must be in place and done to make sure this will not happen again.</li> </ul> </li> </ul> |

Table 18: Root Cause Analysis

## 5.1. Resourcefulness

### 5.1.1 Human Resources

According to the organizational Structure that has been developed, below is a list of human resources needed in the project:

| Type of Management | Position                  | Duties                                                                                                                                                                                                                                                                                                         |
|--------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| High management    | Project Leader            | Responsible for planning and overseeing projects within an organization, from the initial ideation through to completion. In addition, coordinating people and processes to deliver projects on time, within budget and with the desired outcomes aligned to objectives.                                       |
| High management    | Project Leader Assistance | Responsibilities include coordinating with different departments to ensure projects are completed on time, also, responsible for performing administrative tasks such as preparing invoices, building estimates and scheduling meetings as needed.                                                             |
| High management    | Coordination Leader       | Responsible for helping oversee the successful completion of projects and events. Also, performing specialized tasks, managing a team of staff members and establishing relationships with vendors and freelance professionals.                                                                                |
| Mid Management     | Design Leader             | Responsible for guiding creative teams in the creation of working drawings, budgeting, scheduling, specifications, planning and design on projects with authority to direct, control, and monitor all activities. Responsible for supervision and quality-control review of drawings.                          |
| Low Management     | Civil Engineer            | Responsible for planning, design and oversee construction and maintenance of products structures and infrastructure, such as columns, types of materials.                                                                                                                                                      |
| Low Management     | Architecture Engineer     | Responsible for designing, analyzing, and altering plans, prototypes, or structures. Ensuring product plans, prototypes, and structures are operating safely, efficiently, and reliably. Assisting team members with project objectives, budgets, and timelines.                                               |
| Low Management     | Electrical Engineer       | Responsible for designing, developing, and testing electrical devices and equipment, including communications systems, power generators, motors and navigation systems, and electrical systems for automobiles and aircraft. In addition to, oversee the manufacture of these devices, systems, and equipment. |

|                |                                       |                                                                                                                                                                                                                                                                                                                   |
|----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Low Management | Mechanical Engineer                   | Responsible for developing, design, build, test, and inspect mechanical devices and systems, such as machines, tools, and engines.                                                                                                                                                                                |
| Low Management | Industrial Engineer                   | Responsible for designing production layouts and processes that increase productivity, eliminate wastefulness and reduce costs while maintaining quality standards within an organization.                                                                                                                        |
| Mid Management | Financial Leader                      | Responsible for collating, preparing and interpreting reports, budgets, accounts, commentaries and financial statements, managing accounting practices across the organization, producing long-term business plans, undertaking research into pricing, competitors and factors affecting performance.             |
| Low Management | Sales Accountant                      | Responsible for initiating sales process by scheduling appointments; making initial presentation; understanding account requirements. Closes sales by building rapport with potential customers; explaining product and service capabilities; overcoming objections; preparing contracts.                         |
| Low Management | Sales Auditor                         | Responsible for reviewing the sales data from the stores that are assigned to them, reviewing any errors or exceptions and investigating and making corrections as necessary to ensure that stores sales logs are clean and closed on a timely basis so that this data can be passed on to other systems.         |
| Low Management | Purchase Accountant                   | Responsible for installing, modifying documents and coordinating the implementation of the accounting system and accounting control procedures. Compiles and analyzes financial information.                                                                                                                      |
| Low Management | Purchase Auditor                      | Responsible for overseeing and audits all purchases made by a company. In addition to, working with other operations positions to make sure product and supplies meet the needs of the project or process.                                                                                                        |
| Low Management | Budget Specialist                     | Responsible for planning and maintaining an organization's finances. They review departmental budgets, conduct cost-benefit analyses, and develop long- and short-term budgets for organizations and individual business lines.                                                                                   |
| Mid Management | Sales and business development Leader | Responsible for leading sales, marketing, customer-service, and client relationship management teams. Develops and strengthens internal and external relationships that will lead to increased lead generation and market share. Builds cross-functional teams to guide and nourish sustainable, long-term growth |
| Low Management | Business Development Specialist       | Responsible for identifying opportunities for business growth and optimizing marketing strategies. In addition to, analyzing business processes and finances, implementing business plans, and establishing effective networks.                                                                                   |

|                |                                   |                                                                                                                                                                                                                                                                                                     |
|----------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Low Management | Sales Specialist                  | Responsible for understanding of all company products and services, and the skills and industry knowledge required to sell them. Also, preparing marketing budgets, conducting research and analyzing trends, leading the sales team, and performing sales forecasts.                               |
| Low Management | Sales Officer (2)                 | Responsible for executives that work with companies' sales teams to determine the best strategies to increase customer purchases.                                                                                                                                                                   |
| Low Management | Graphic Designer                  | Responsible for the entire process of defining requirements, visualizing and creating graphics including illustrations, logos, layouts and photos. In addition, shape the visual aspects of websites, books, magazines, product packaging, exhibitions and more.                                    |
| Mid Management | Human Resources and Talent Leader | Responsible for holding this position entails carrying out tactical execution of strategies and plans on recruitment, training, and retention of highly skilled employees. In addition, including ensuring top level staff performance, as well as executing the process involved in compensations. |
| Low Management | Human Resource Specialist (2)     | Responsible for the day-to-day operations, including recruiting new employees or processing termination paperwork, preparing compensation packages with company policies set out by law, and fostering healthy workplace practices throughout every department.                                     |
| Low Management | Salary Specialist                 | Responsible for overseeing and administering employee compensation programs. Establishing a company's pay structure, approves bonuses and commissions, and administers executive compensation programs.                                                                                             |
| Low Management | Public relationship specialist    | Responsible for creating and maintaining a favorable public image for the organization they represent. Also, crafting media releases and developing social media programs to shape public perception of the organization and increase awareness of its work and goals.                              |
| Low Management | Talent specialist                 | Responsible for sourcing, attracting, and interviewing prospective employees to find the perfect match for a company's long-term goals.                                                                                                                                                             |
| Mid Management | Quality Leader                    | Responsible for coordinating with suppliers to ensure that they meet quality standards. Conducting internal audits of quality control measures to ensure that they are being followed correctly. Coordinating staff training on quality control measures and methods of improvement.                |
| Low Management | Quality design Engineer           | Responsible for ensuring that manufactured products meet high-quality standards. A Quality Engineer is responsible for developing processes, testing procedures, and implementing systems to ensure that products and processes comply with safety regulations and meet clients' expectations.      |

|                |                               |                                                                                                                                                                                                                                                                                                            |
|----------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Low Management | Quality Production Engineer   | Responsible for developing and implementing quality standards, developing and implementing quality control systems, monitoring and analyzing quality performance, inspecting and testing materials, equipment, processes, and products to ensure quality specifications are met.                           |
| Low Management | Quality installation Engineer | Responsible for ensuring technical standards and creating quality, ensuring that manufactured products meet high-quality standards, testing procedures, and implementing systems to ensure that products and processes comply with safety regulations and meet clients' expectations.                      |
| Mid Management | Production Leader             | Responsible for the entire production process for a set of products. In addition to planning, organizing and recommending strategies in ensuring that the product is developed successfully, in accordance with all specifications, and supervising teams that work in operations and product development. |
| Low Management | Production supervisor         | Responsible for completing production plans by scheduling and assigning personnel, accomplishing work results, establishing priorities, monitoring progress, revising schedules, resolving problems, and reporting results of the processing flow on shift production summaries.                           |
| Low Management | Production worker (10)        | Responsible for meeting quality standards and deadlines for products. They check for defects, assemble products, monitor manufacturing equipment, and closely follow safety procedures to prevent accidents in environments where materials may be hazardous.                                              |
| Low Management | Installation Supervisor       | Responsible for supervise fabrication and supervise installation teams and Quality check work, troubleshoot fabrication and site issues Keep track of schedules at construction sites, prefab plants or at customer homes, Coordinate material orders and ensure quality control of installations.         |
| Low Management | Installation worker (6)       | Responsible for traveling to place of business, installing electronic equipment, troubleshooting problems with existing equipment, testing connections, providing user instructions to customers, and cleaning up after the job is complete.                                                               |
| Low Management | Driver (2)                    | Responsible for picking up materials, verifying loads for accuracy, and delivering them as instructed. Load and unload cargo. In addition to basic vehicle maintenance; comply with all safe work practices, policies, and processes at all times. Complete and verify paperwork for accuracy              |

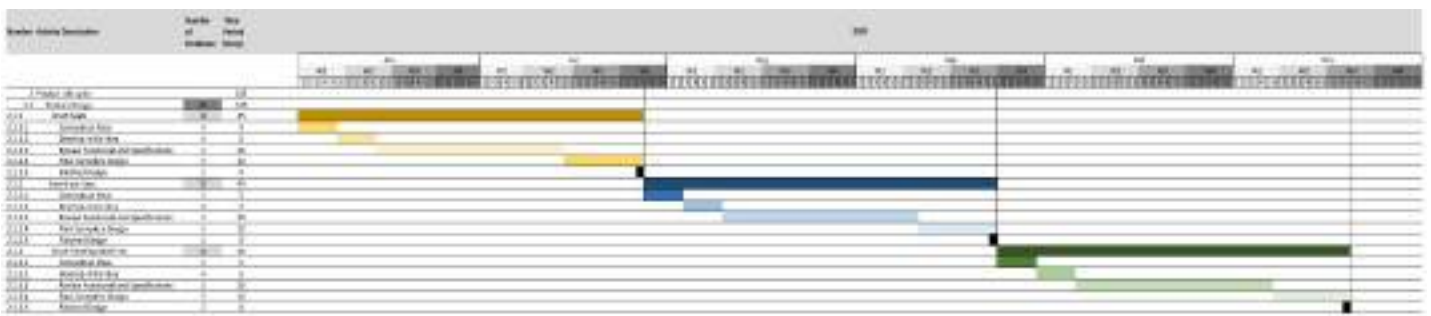
Table 19: Job Descriptions

### 5.1.1. Crashing and Fast-Tracking Analyses

Crashing and fast tracking are methods that are used to compression the schedule of any given project, and to shorten the duration of the project without changing the scope of the project.

- Crashing is the technique to use when fast tracking has not saved enough time on the project schedule.
- Fast-tracking is a technique where activities that would have been performed sequentially using the original schedule are performed in parallel.

SSSC anticipated that a delay may occurred on the Product Design Stage, due to lack of information – miscommunication-change in specifications, consequently, fast-trucking and crashing technique has been used to shorten the period of those activities.



Resources Before Crashing and Fast-Tracking



Resources After Crashing and Fast-Tracking

Table 21: Crashing and Fast-Tracking

To more information Review Appendix

## 5.2. Negotiations

Negotiation is a process that can be learned. It is critical to presume that everything about the project is negotiable, and that the project manager is a competent negotiator. To be a competent negotiator, you must be prepared and have done your study before entering the negotiating process.

Moreover, the negotiation lifecycle can be defined into 5 main categories:

- Making the decision to negotiate
- Preparing to negotiate
- Negotiating
- Exciting
- Following up after the negotiation

### 5.1.2 Rules for The Negotiation Process

|                           |                                                                                                                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1- The competition</b> | In this style, negotiators think strategically, focus on results, neglect compliments, and are usually blunt, and often even aggressive.                                                                                  |
| <b>2- Cooperate</b>       | The negotiators in this method are honest and open, and the ability to understand the concerns and interests of the other party, so they work in order to reach creative solutions that are satisfactory to both parties. |
| <b>3- Bargaining</b>      | Negotiators in this method focus on finding a fair and middle ground for the two parties, and they may make some concessions on their part to satisfy the other party.                                                    |
| <b>4- Avoidance</b>       | This method avoids negotiators any situations that may lead to conflict or disagreement with the opposing party                                                                                                           |
| <b>5- Comprehension</b>   | In this style, negotiators spend a great deal of time building and maintaining relationships with the other party, and they usually care about the feelings and body cues that permeate the negotiation process.          |

Figure 5: Negotiation Process

### 5.1.3 Negotiation Plans

Negotiation can be challenging at times, but with experience and commitment, a project manager can become an excellent negotiator.

There are several bargaining tactics available to get the desired goals. A Win-Win negotiation is an example of this, in which both parties' profit. Another strategy is Win-Lose negotiation, also known as distributive negotiation, in which one side attempts to maximize their profit at the expense of the other.

Another common type of negotiation is coworker negotiation, which we conduct every day to address workplace disagreements. We will employ the Win-Win and Co-worker bargaining approaches in our project.

#### **1. Plan Win-Win technique:**

We will concentrate on giving our customers the finest advantages available in the market at the best prices in order to please them with acceptable bargains while creating a profit that covers the expense of doing business.

#### **2. Plan Co-worker negotiation technique:**

Depending on the project we will focus on providing our staff and team with appropriate compensations when doing the work on time or earlier with off days or some valuable benefits to them rather than monetary compensations.

## 6.1. Project Design

### 6.1.1 Triple Constraints of the Project

of a project management are time, cost and scope, Where:

- Cost is the financial commitment of the project is dependent on several variables, such as materials and people and the resources involved which include labor costs,
- Scope deals with the specific requirements or tasks necessary to complete the project, and
- Time which indicates the schedule for the project to reach completion.

In Smart Street Solution Company, related constrain are:

- **Cost:** establishing the Company and bring home first project.
- **Time:** installing our first product and start sailing our project.
- **Scope:** designing and producing our first unit.

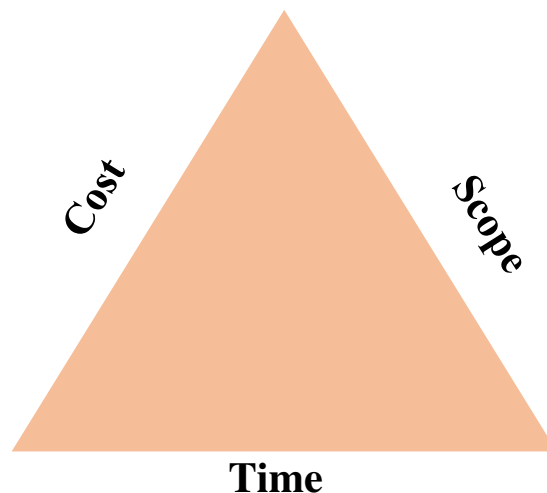


Figure 6: Triple Constraints

### 6.1.2 Project Success Factors

Project success factors can vary from project to another, depending on project objectives and goals. In Saudi Smart Solution Company, Smart Street Furniture Project, success factors are:

- 1) **Agree on the project goals:** to make sure there is agreement with management, project sponsors, and other stakeholders on the purpose and goals of the project.
- 2) **Experienced Professional Project Team Leaders:** to ensure that the team members have the necessary skills to deliver the results required.
- 3) **Methodical Approach:** to ensure that your process is clear, reliable, and efficient, follow the trends and techniques of the framework.
- 4) **Proper Planning:** invest sufficient time and resources in thorough scheduling.
- 5) **Adhere to the Best Practices:** to draw from the experience of past successes and adapt proven strategies.
- 6) **Monitoring & Control:** to check progress and regularly evaluate the results, and to ensure that the project is on track performance indicators.
- 7) **Use Professional Software:** to promotes safe and easy team collaboration and access to data needed by each team member.
- 8) **Effective Communication:** to ensure that formal communication processes (meetings, documentation), as well as informal processes.
- 9) **Work with Committed People:** allow the core project staffs, specialist resources, manufacturers, and all stakeholders to be involve to share similar project visions and strive to achieve overall success.
- 10) **Careful Management of Risks:** to produce a risk log with an action plan for the project's risks during the planning process.

### 6.1.3 Work Breakdown Structure (WBS)

WBS is a visual, hierarchical, and deliverable-oriented deconstruction of a project and identifying all the activities needed to achieve a successful project. A well-constructed WBS helps with important project management processes such as cost estimation, resource allocation, and risk assessment. In addition, a WBS helps avoid common project issues such as missed deadlines, scope creep and cost overrun, among others.

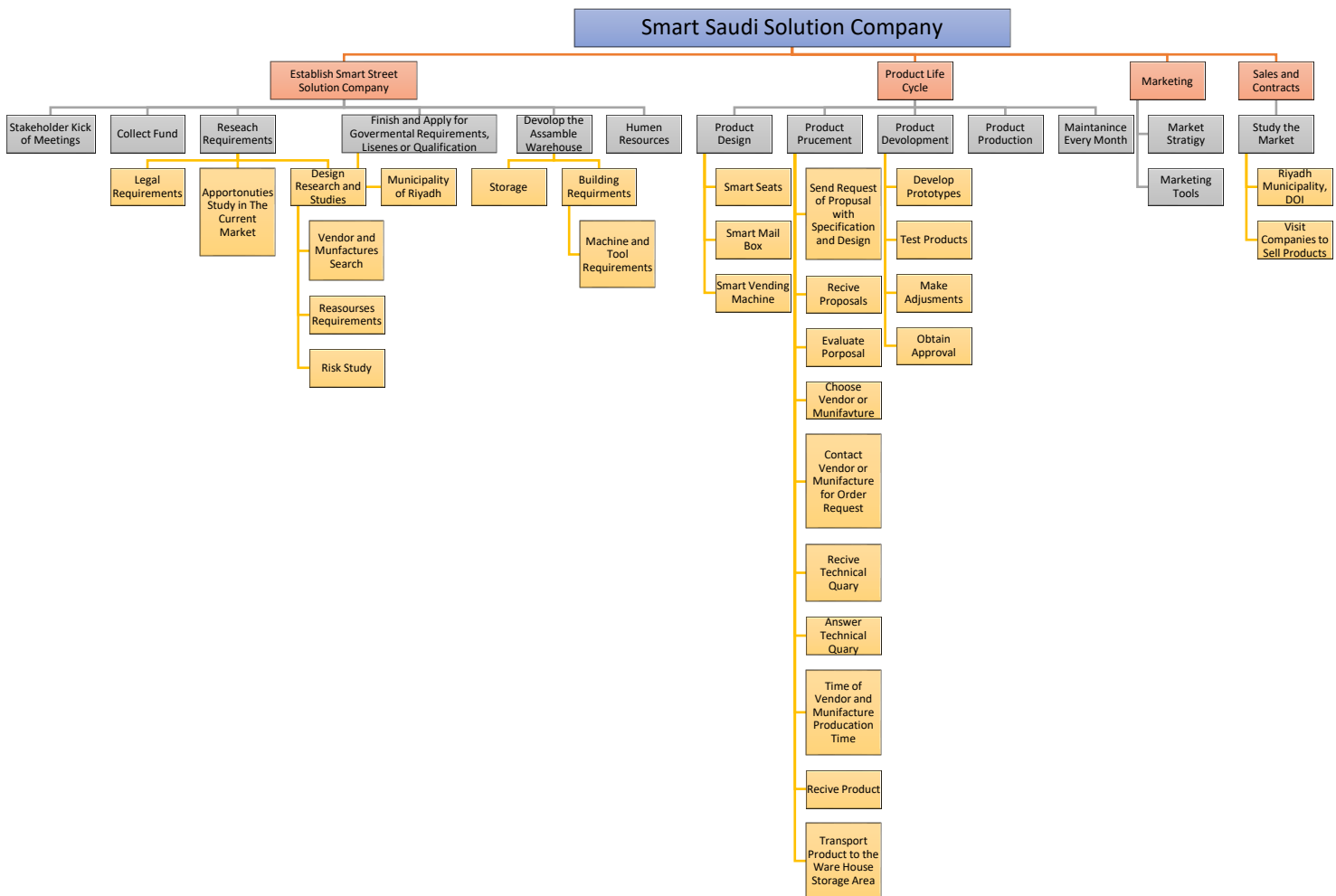


Figure 7: Breakdown Structure

## 6.2. Requirements and Objectives

### 6.2.1 Requirements Traceability Matrix

The requirements traceability matrix is a grid that links product requirements, that demonstrates the relationship between requirements and other artifacts, from their origin to deliverables that satisfy them. Which used to prove that requirements have been fulfilled.

#### Types of Traceability Matrix:

- **Forward Traceability** which allows to trace each project requirement forward into the design implemented by requirements, the code implemented by the design, and the tests that help with the validation of the project.
- **Reverse Traceability** which helps to ensure that the evolving product still satisfies the original requirements without expanding the scope of the project (adding code, design elements, and tests).
- **Bi-Directional Traceability** which helps to determine that all initial requirements have been met, that these requirements can be validated, and if there is a change, it analyzes the impact of the change in requirements.

| Req. Code | Category     | Description                                | WBS         | Priority | Source                                              | Business Objective                                                           | Deliverability | Verification | Validation                 |
|-----------|--------------|--------------------------------------------|-------------|----------|-----------------------------------------------------|------------------------------------------------------------------------------|----------------|--------------|----------------------------|
| Req-001   | Mandatory    | Commercial Certificate Permit              | 1.3.1.1     | High     | Commercial Ministry                                 | Start the company and have a work permit approval for it.                    | Yes            | Yes          | Yes, Correct and Stamp     |
| Req-002   | Should have  | Standard Specifications Authority          | and 1.3.1.2 | Medium   | Saudi Standards, Metrology and Quality Organization | To be align with the standers and specifications that suggested by the SSMQ. | Yes            | Yes          | Test Prototype             |
| Req-003   | Nice to have | Saudi Consulate of Engineering Certificate | 1.3.1.3     | Low      | Saudi Engineering council                           | Obtain a recognition from Saudi Consulate of Engineering                     | Yes            | Yes          | Yes, Company Serial Number |

Table 22: Requirements Traceability Matrix

### 6.2.2 Methods of Requirement Collection

It is the process of determining, documenting, and managing stakeholder needs and requirements to meet project objectives. Which provides basis for defining and managing the project scope including product scope.

#### **Collect Requirement Tools:**

- 1- Expert Judgment.
- 2- Data gathering:
  - a) Brainstorming;
  - b) Interviews,
  - c) Focus Groups,
  - d) Observations
  - e) Questionnaires and Surveys, and
  - f) Benchmarking
- 3- Data Analysis:
  - a. Document Analysis
  - b. Context diagrams
- 4- Decision Marking:
  - a) Voting,
  - b) Multi criteria decision analysis
- 5- Data representation:
  - a) Group creativity techniques
  - b) Prototypes
  - c) Affinity Diagrams, and
  - d) Maid Mapping
- 6- Interpersonal and team skills: Nominal Group Technique – Observations/Conversation – Facilitation

### 6.2.3 Hierarchical Structure of the Objectives of the Project

The hierarchy of objectives is a tool that helps analyze and communicate the project objectives. It organizes these objectives into different levels of a hierarchy or tree. It used to:

- a. Clarify the need or demand for the project and, how to meet those requirements.
- b. Communicate the project objectives to everyone involved in the project.
- c. Promote appropriate project design by encouraging feedback from the people who are involved in, or affected by, the project.
- d. Enable the post-project evaluators to measure the project's success in attaining its objectives.
- e. Demonstrate that the project has different levels of objectives, and clarify how the objectives relate to one another in the hierarchy.

This approach organizes objectives into four broad levels:

#### 1. Policy Objective:

Establishing a Smart Street Solution Company to increase the public user of Street Solution.

#### 2. Strategic Objective:

Creating innovative Smart Street Solution.

#### 3. Project Objective:

Creating three innovative smart street furniture in one year.

#### 4. Input Objective:

Collect fund from internal stakeholders and investors.

## 7.1. Scope

### 7.1.1 Scope Statement

Establish smart street solutions company with an aim to make optimum utilization of public places such that custom furniture items could be designed and developed for visitors to public places. Project scope covers following key elements:

- **Short listing of key public places**

Under set criteria specified public places shall be identified to fulfill the set objectives.

- **Conduct feasibility study to evaluate viability of the project**

A comprehensive feasibility shall be conducted to evaluate project viability and its worth in view of various risks at various levels.

- **Compliance with official standards**

Project compliance is necessary in order to align with local government policies and programs.

- **Vendors qualification and selection**

Product vendors shall be short listed against given criteria such that standard and specifications are fulfilled as per government sustainability practices.

- **Staff recruitment and reporting structure**

Competent staff shall be hired through recruitment agencies to cut hiring lead time. Proper reporting structure shall be designed for alignment and smooth flow of operations on routine basis.

- **Team hierarchy and communication levels**

Teams shall be formed to ensure key functions are performed by specified leaders and their teams.

- **Evaluate machines and tools requirements**

Each manufacturing facility shall be equipped with appropriate tools and machines to ensure smooth production of required products in needed volumes.

- **Product design and development**

Technical staff shall take care of product design and development needs. In close communication with relevant department heads, only approved designs shall be produced.

- **Marketing and sales strategy**

In order for evaluation of product demand, surveys shall be conducted at various public places to get first hand feedback. based on feedback received, sales strategy shall be designed

- **Sales contract**

Sales contract shall be signed prior to maturing any deal to ensure that project deals are firm and up to the mark.

- **After sales support services**

After sales support is key element of our service. This service provides guarantee to our existing and potential clients that company fully stands behind these products and shall be ready to provide service against any wear and tear.

### 7.1.2 Scope Creeping

In order to avoid delays, deliverables shall be frozen such that no one could find reasons to revise or adjust the agreed time line and project scope. Following are the key elements of the project that shall never be compromised at any cost

- Project scope
- Product
- Deliverables time line
- **Project scope**

It has locked for the sake of worthiness and sound health of the project. There are no ifs and buts, as this project shall be accomplished within given time frame as per agreement with stakeholders.

- **Product**

This project revolves around the furniture products specialized for public places therefore this product remains vital element to keep the project in shape until its delivery.

- **Deliverables time line**

Project deliverables have been identified after thorough investigation and exploration of the possible scenarios therefore there is no room for any revision in deliverables time line.

### 7.1.3 Product Management

In fact, this organization undertakes to develop and design furniture items that are specialized for public places therefore features and design and construction is of utmost importance and must be elaborated for stakeholders to have clear understanding into product application.

- Product design
- Product development
- Product production

#### Product design

Public places represent community standards and values therefore products for public use shall be developed in consideration of public attitude, mood and acceptable norms and values.

#### Product development

Product material lies at the core of the product development process therefore prototypes must be developed as per agreed standards of the government.

#### Product production

Appropriate procedures shall be laid down for product testing, quality inspection, validation and compliance for acceptable standards set by government. Production batches shall be reviewed to test material standards and reactants quality.

## 7.2. Time

### 7.2.1 Work Packages in WBS

| Outline Number | Task Name                                                             | Duration        | Start              | Finish              | Predecessors |
|----------------|-----------------------------------------------------------------------|-----------------|--------------------|---------------------|--------------|
| <b>1</b>       | <b>Establish Smart Street Solution Company</b>                        | <b>271 days</b> | <b>Sun 1/1/23</b>  | <b>Sun 11/12/23</b> |              |
| <b>1.1</b>     | <b>Stakeholder Kick of Meetings</b>                                   | <b>20 days</b>  | <b>Sun 1/1/23</b>  | <b>Mon 1/23/23</b>  |              |
| <b>1.1.1</b>   | Setup Initial Goals                                                   | 5 days          | Sun 1/1/23         | Thu 1/5/23          |              |
| <b>1.1.2</b>   | Setup visibility study                                                | 10 days         | Sat 1/7/23         | Tue 1/17/23         | 3            |
| <b>1.1.3</b>   | Agree on startup cost                                                 | 3 days          | Wed 1/18/23        | Sat 1/21/23         | 4            |
| <b>1.1.4</b>   | Write and sign the agreement and the charter between the stakeholders | 2 days          | Sun 1/22/23        | Mon 1/23/23         | 5            |
| <b>1.1.5</b>   | Project Charter                                                       | 0 days          | Mon 1/23/23        | Mon 1/23/23         | 6            |
| <b>1.2</b>     | <b>collect Fund</b>                                                   | <b>191 days</b> | <b>Sat 1/21/23</b> | <b>Wed 8/30/23</b>  |              |
| <b>1.2.1</b>   | Create a Company Bank Account                                         | 1 day           | Sat 1/21/23        | Sat 1/21/23         | 5SS+2 days   |
| <b>1.2.2</b>   | collect the first cost from the team investors                        | 10 days         | Sun 1/22/23        | Wed 2/1/23          | 9            |
| <b>1.2.3</b>   | collected startup cost                                                | 0 days          | Wed 2/1/23         | Wed 2/1/23          | 10           |
| <b>1.2.4</b>   | SIDF funding the company                                              | 60 days         | Thu 6/22/23        | Wed 8/30/23         | 102          |
| <b>1.2.5</b>   | fund received by SIDF                                                 | 0 days          | Wed 8/30/23        | Wed 8/30/23         | 12           |
| <b>1.3</b>     | <b>research requirements</b>                                          | <b>67 days</b>  | <b>Tue 1/24/23</b> | <b>Tue 4/11/23</b>  |              |
| <b>1.3.1</b>   | <b>Legal requirements</b>                                             | <b>7 days</b>   | <b>Tue 1/24/23</b> | <b>Tue 1/31/23</b>  |              |
| <b>1.3.1.1</b> | Commercial Ministry                                                   | 2 days          | Tue 1/24/23        | Wed 1/25/23         | 2            |
| <b>1.3.1.2</b> | standard and specifications Authority                                 | 5 days          | Thu 1/26/23        | Tue 1/31/23         | 16           |
| <b>1.3.1.3</b> | Saudi Engineering council                                             | 5 days          | Thu 1/26/23        | Tue 1/31/23         | 16           |

|           |                                                  |                |                       |                        |    |
|-----------|--------------------------------------------------|----------------|-----------------------|------------------------|----|
| 1.3.1.4   | Environmental Authority                          | 5 days         | Thu<br>1/26/23        | Tue<br>1/31/23         | 16 |
| 1.3.1.5   | Industrial Authority                             | 2 days         | Tue<br>1/24/23        | Wed<br>1/25/23         | 2  |
| 1.3.1.6   | Municipality of Riyadh                           | 2 days         | Tue<br>1/24/23        | Wed<br>1/25/23         | 2  |
| 1.3.1.7   | MOMRAH                                           | 2 days         | Tue<br>1/24/23        | Wed<br>1/25/23         | 2  |
| 1.3.1.8   | tax and zakat AUTHORITY                          | 2 days         | Tue<br>1/24/23        | Wed<br>1/25/23         | 2  |
| 1.3.1.9   | Human Resources Ministry                         | 2 days         | Tue<br>1/24/23        | Wed<br>1/25/23         | 2  |
| 1.3.1.10  | Salamh (Safety and security requirement)         | 2 days         | Tue<br>1/24/23        | Wed<br>1/25/23         | 2  |
| 1.3.2     | <b>opportunities study in the current market</b> | <b>10 days</b> | <b>Wed<br/>2/1/23</b> | <b>Sun<br/>2/12/23</b> |    |
| 1.3.2.1   | Focus group analysis                             | 10 days        | Wed<br>2/1/23         | Sun<br>2/12/23         | 15 |
| 1.3.2.2   | Surveys                                          | 10 days        | Wed<br>2/1/23         | Sun<br>2/12/23         | 15 |
| 1.3.2.3   | Market Research                                  | 10 days        | Wed<br>2/1/23         | Sun<br>2/12/23         | 15 |
| 1.3.2.4   | Research Analysis                                | 10 days        | Wed<br>2/1/23         | Sun<br>2/12/23         | 15 |
| 1.3.2.5   | opportunities study                              | 0 days         | Sun<br>2/12/23        | Sun<br>2/12/23         | 30 |
| 1.3.3     | <b>Design Research and studies</b>               | <b>60 days</b> | <b>Wed<br/>2/1/23</b> | <b>Tue<br/>4/11/23</b> |    |
| 1.3.3.1   | GIS Study for public usage and density           | 14 days        | Mon<br>2/13/23        | Tue<br>2/28/23         | 26 |
| 1.3.3.2   | Design the samples of the products research      | 20 days        | Mon<br>2/13/23        | Tue 3/7/23             | 26 |
| 1.3.3.3   | Design Research and studies                      | 0 days         | Tue<br>3/7/23         | Tue 3/7/23             | 34 |
| 1.3.3.4   | <b>Vendor and manufactures search</b>            | <b>15 days</b> | <b>Wed<br/>3/8/23</b> | <b>Sat<br/>3/25/23</b> |    |
| 1.3.3.4.1 | Smart Seats                                      | 15 days        | Wed<br>3/8/23         | Sat<br>3/25/23         | 34 |
| 1.3.3.4.2 | smart mail box                                   | 15 days        | Wed<br>3/8/23         | Sat<br>3/25/23         | 34 |
| 1.3.3.4.3 | smart vending machines                           | 15 days        | Wed<br>3/8/23         | Sat<br>3/25/23         | 34 |

|           |                                                                                 |                |                        |                        |                      |
|-----------|---------------------------------------------------------------------------------|----------------|------------------------|------------------------|----------------------|
| 1.3.3.4.4 | Vendor and manufactures found                                                   | 0 days         | Sat<br>3/25/23         | Sat<br>3/25/23         | 39                   |
| 1.3.3.5   | <b>Resources requirements</b>                                                   | <b>5 days</b>  | <b>Sun<br/>3/26/23</b> | <b>Thu<br/>3/30/23</b> |                      |
| 1.3.3.5.1 | Smart Seats                                                                     | 5 days         | <b>Sun<br/>3/26/23</b> | <b>Thu<br/>3/30/23</b> | <b>34,36</b>         |
| 1.3.3.5.2 | smart mail box                                                                  | 5 days         | Sun<br>3/26/23         | Thu<br>3/30/23         | <b>34,36</b>         |
| 1.3.3.5.3 | smart vending machines                                                          | 5 days         | Sun<br>3/26/23         | Thu<br>3/30/23         | <b>34,36</b>         |
| 1.3.3.6   | location of warehouse study                                                     | 14 days        | Sun<br>3/26/23         | Mon<br>4/10/23         | <b>34,36</b>         |
| 1.3.3.7   | Resources requirements found                                                    | 0 days         | Mon<br>4/10/23         | Mon<br>4/10/23         | 45                   |
| 1.3.3.8   | <b>risk study</b>                                                               | <b>60 days</b> | <b>Wed<br/>2/1/23</b>  | <b>Tue<br/>4/11/23</b> |                      |
| 1.3.3.8.1 | Hazard Risk                                                                     | 1 day          | Tue<br>4/11/23         | Tue<br>4/11/23         | <b>34,45</b>         |
| 1.3.3.8.2 | Control Risk                                                                    | 5 days         | Sat<br>4/1/23          | Wed<br>4/5/23          | <b>4,33,34,36,41</b> |
| 1.3.3.8.3 | Opportunity Risk                                                                | 5 days         | Mon<br>2/13/23         | Sat<br>2/18/23         | <b>4,26,6</b>        |
| 1.3.3.8.4 | Compliance Risk                                                                 | 5 days         | Wed<br>2/1/23          | Mon<br>2/6/23          | <b>15</b>            |
| 1.3.3.8.5 | risk study                                                                      | 0 days         | Tue<br>4/11/23         | Tue<br>4/11/23         | 48                   |
| 1.4       | <b>Finish and apply for governmental requirements, license or qualification</b> | <b>67 days</b> | <b>Thu<br/>1/26/23</b> | <b>Thu<br/>4/13/23</b> |                      |
| 1.4.1     | standard and specifications Authority                                           | 14 days        | Wed<br>2/1/23          | Thu<br>2/16/23         | <b>17</b>            |
| 1.4.2     | Saudi Engineering council                                                       | 5 days         | Wed<br>2/1/23          | Mon<br>2/6/23          | <b>18</b>            |
| 1.4.3     | Environmental Authority                                                         | 14 days        | Wed<br>2/1/23          | Thu<br>2/16/23         | <b>19</b>            |
| 1.4.4     | Industrial Authority                                                            | 14 days        | Thu<br>1/26/23         | Sat<br>2/11/23         | <b>20</b>            |
| 1.4.5     | Commercial Ministry                                                             | 2 days         | Thu<br>1/26/23         | Sat<br>1/28/23         | <b>16</b>            |
| 1.4.6     | <b>Municipality of Riyadh</b>                                                   | <b>3 days</b>  | <b>Tue<br/>4/11/23</b> | <b>Thu<br/>4/13/23</b> |                      |
| 1.4.6.1   | choose location and rent it                                                     | 3 days         | Tue<br>4/11/23         | Thu<br>4/13/23         | 45,21                |

|           |                                                            |                |                        |                        |             |
|-----------|------------------------------------------------------------|----------------|------------------------|------------------------|-------------|
| 1.4.7     | MOMRAH                                                     | 5 days         | Thu<br>1/26/23         | Tue<br>1/31/23         | 22          |
| 1.4.8     | tax and zakat AUTHORITY                                    | 1 day          | Thu<br>1/26/23         | Thu<br>1/26/23         | 23          |
| 1.4.9     | Human Resources Ministry                                   | 2 days         | Thu<br>1/26/23         | Sat<br>1/28/23         | 24          |
| 1.4.10    | Salamh (Safety and security requirement)                   | 14 days        | Thu<br>1/26/23         | Sat<br>2/11/23         | 25          |
| 1.4.11    | finished governmental and legal requirements               | 0 days         | Thu<br>4/13/23         | Thu<br>4/13/23         | 59          |
| 1.5       | <b>Develop the assemble warehouse</b>                      | <b>25 days</b> | <b>Sat<br/>4/15/23</b> | <b>Sat<br/>5/13/23</b> |             |
| 1.5.1     | Offices                                                    | 14 days        | Sat<br>4/15/23         | Sun<br>4/30/23         | 60          |
| 1.5.2     | assemble space                                             | 14 days        | Mon<br>4/17/23         | Tue 5/2/23             | 67SS+2 days |
| 1.5.3     | <b>storage</b>                                             | <b>14 days</b> | <b>Wed<br/>4/19/23</b> | <b>Thu 5/4/23</b>      |             |
| 1.5.3.1   | unfinished products                                        | 14 days        | Wed<br>4/19/23         | Thu 5/4/23             | 68SS+2 days |
| 1.5.3.2   | finished products                                          | 14 days        | Wed<br>4/19/23         | Thu 5/4/23             | 70SS        |
| 1.5.4     | Clinic                                                     | 14 days        | Wed<br>4/19/23         | Thu 5/4/23             | 71SS        |
| 1.5.5     | meeting rooms                                              | 14 days        | Sat<br>4/15/23         | Sun<br>4/30/23         | 67SS        |
| 1.5.6     | car parking and floor                                      | 14 days        | Tue<br>4/25/23         | Wed<br>5/10/23         | 72SS+5 days |
| 1.5.7     | <b>Building requirements</b>                               | <b>11 days</b> | <b>Mon<br/>5/1/23</b>  | <b>Sat<br/>5/13/23</b> |             |
| 1.5.7.1   | Camera and security setup                                  | 2 days         | Tue<br>5/9/23          | Wed<br>5/10/23         | 67SS,74FF   |
| 1.5.7.2   | Firefighting and safety check                              | 2 days         | Tue<br>5/9/23          | Wed<br>5/10/23         | 67SS,74FF   |
| 1.5.7.3   | disposal and environmental setup                           | 2 days         | Thu<br>5/11/23         | Sat<br>5/13/23         | 77          |
| 1.5.7.4   | <b>IT system set up</b>                                    | <b>10 days</b> | <b>Mon<br/>5/1/23</b>  | <b>Thu<br/>5/11/23</b> |             |
| 1.5.7.4.1 | Pay hardware (server, communication devises and computers) | 3 days         | Mon<br>5/1/23          | Wed<br>5/3/23          | 67          |
| 1.5.7.4.2 | <b>Network Set up</b>                                      | <b>5 days</b>  | <b>Thu<br/>5/4/23</b>  | <b>Tue 5/9/23</b>      |             |

|             |                                                |                 |                   |                     |              |
|-------------|------------------------------------------------|-----------------|-------------------|---------------------|--------------|
| 1.5.7.4.2.1 | Server set up                                  | 3 days          | Thu 5/4/23        | Sun 5/7/23          | 80           |
| 1.5.7.4.2.2 | PMIS set up                                    | 2 days          | Mon 5/8/23        | Tue 5/9/23          | 82           |
| 1.5.7.4.3   | Internet Set up                                | 2 days          | Mon 5/8/23        | Tue 5/9/23          | 82           |
| 1.5.7.4.4   | Emails Set up                                  | 2 days          | Wed 5/10/23       | Thu 5/11/23         | 84           |
| 1.5.7.5     | <b>Machin and tool requirements</b>            | <b>5 days</b>   | <b>Wed 5/3/23</b> | <b>Mon 5/8/23</b>   |              |
| 1.5.7.5.1   | required assemble machines                     | 5 days          | Wed 5/3/23        | Mon 5/8/23          | 68           |
| 1.5.7.5.2   | required tools                                 | 5 days          | Wed 5/3/23        | Mon 5/8/23          | 68           |
| 1.5.8       | ready assemble warehouse                       | 0 days          | Sat 5/13/23       | Sat 5/13/23         | 75           |
| 1.6         | <b>Human resources</b>                         | <b>271 days</b> | <b>Sun 1/1/23</b> | <b>Sun 11/12/23</b> |              |
| 1.6.1       | Employee Human Resources Leader                | 30 days         | Sun 1/1/23        | Sat 2/4/23          |              |
| 1.6.2       | Build Human resources team                     | 30 days         | Mon 5/1/23        | Sun 6/4/23          | 67           |
| 1.6.3       | Employee IT Leader                             | 30 days         | Sun 1/1/23        | Sat 2/4/23          | 91SS         |
| 1.6.4       | Build IT team                                  | 30 days         | Sat 2/11/23       | Thu 3/16/23         | 93FS+5 days  |
| 1.6.5       | Employee Design Leader                         | 30 days         | Sun 2/5/23        | Sat 3/11/23         | 91           |
| 1.6.6       | build Design team                              | 30 days         | Sun 5/7/23        | Sat 6/10/23         | 67FS+5 days  |
| 1.6.7       | Employee Financial Leader                      | 30 days         | Sun 2/5/23        | Sat 3/11/23         | 91           |
| 1.6.8       | Build Financial team                           | 43 days         | Sun 5/7/23        | Sun 11/12/23        | 67FS+5 days  |
| 1.6.9       | Employee Sales and business development Leader | 30 days         | Sun 2/5/23        | Sat 3/11/23         | 91           |
| 1.6.10      | Build Sales and business development team      | 30 days         | Sat 5/13/23       | Thu 6/15/23         | 67FS+10 days |
| 1.6.11      | Employee quality Leader                        | 30 days         | Sun 2/5/23        | Sat 3/11/23         | 91           |
| 1.6.12      | Build the quality team                         | 30 days         | Thu 5/18/23       | Wed 6/21/23         | 67FS+15 days |

|         |                                      |          |                 |                 |              |
|---------|--------------------------------------|----------|-----------------|-----------------|--------------|
| 1.6.13  | Employee production Leader           | 30 days  | Sun<br>2/5/23   | Sat<br>3/11/23  | 91           |
| 1.6.14  | Build the production team            | 60 days  | Sun<br>3/12/23  | Sat<br>5/20/23  | 103          |
| 1.6.15  | ready team                           | 0 days   | Sun<br>11/12/23 | Sun<br>11/12/23 | 98           |
| 2       | Product Life cycle                   | 245 days | Thu<br>6/22/23  | Tue 4/2/24      | 96FS+10 days |
| 2.1     | product Design                       | 135 days | Thu<br>6/22/23  | Sun<br>11/26/23 |              |
| 2.1.1   | Smart Seats                          | 45 days  | Thu<br>6/22/23  | Sun<br>8/13/23  |              |
| 2.1.1.1 | Conceptual Ideas                     | 5 days   | Thu<br>6/22/23  | Tue<br>6/27/23  | 96FS+10 days |
| 2.1.1.2 | Develop Initial Idea                 | 5 days   | Wed<br>6/28/23  | Mon<br>7/3/23   | 109          |
| 2.1.1.3 | Review Functional and Specifications | 25 days  | Tue<br>7/4/23   | Tue 8/1/23      | 110          |
| 2.1.1.4 | Final Complete Design                | 10 days  | Wed<br>8/2/23   | Sun<br>8/13/23  | 111          |
| 2.1.1.5 | Finished Design                      | 0 days   | Sun<br>8/13/23  | Sun<br>8/13/23  | 112          |
| 2.1.2   | smart mail box                       | 45 days  | Mon<br>8/14/23  | Wed<br>10/4/23  |              |
| 2.1.2.1 | Conceptual Ideas                     | 5 days   | Mon<br>8/14/23  | Sat<br>8/19/23  | 112          |
| 2.1.2.2 | Develop Initial Idea                 | 5 days   | Sun<br>8/20/23  | Thu<br>8/24/23  | 115          |
| 2.1.2.3 | Review Functional and Specifications | 25 days  | Sat<br>8/26/23  | Sat<br>9/23/23  | 116          |
| 2.1.2.4 | Final Complete Design                | 10 days  | Sun<br>9/24/23  | Wed<br>10/4/23  | 117          |
| 2.1.2.5 | Finished Design                      | 0 days   | Wed<br>10/4/23  | Wed<br>10/4/23  | 118          |
| 2.1.3   | smart vending machines               | 45 days  | Thu<br>10/5/23  | Sun<br>11/26/23 |              |
| 2.1.3.1 | Conceptual Ideas                     | 5 days   | Thu<br>10/5/23  | Tue<br>10/10/23 | 118          |
| 2.1.3.2 | Develop Initial Idea                 | 5 days   | Wed<br>10/11/23 | Mon<br>10/16/23 | 121          |
| 2.1.3.3 | Review Functional and Specifications | 25 days  | Tue<br>10/17/23 | Tue<br>11/14/23 | 122          |

|         |                                                        |          |                 |                 |     |
|---------|--------------------------------------------------------|----------|-----------------|-----------------|-----|
| 2.1.3.4 | Final Complete Design                                  | 10 days  | Wed<br>11/15/23 | Sun<br>11/26/23 | 123 |
| 2.1.3.5 | Finished Design                                        | 0 days   | Sun<br>11/26/23 | Sun<br>11/26/23 | 124 |
| 2.2     | Product procurement                                    | 230 days | Thu<br>6/22/23  | Sat<br>3/16/24  |     |
| 2.2.1   | send request of proposal with specification and design | 100 days | Mon<br>8/14/23  | Thu<br>12/7/23  |     |
| 2.2.1.1 | Smart Seats                                            | 10 days  | Mon<br>8/14/23  | Thu<br>8/24/23  | 108 |
| 2.2.1.2 | smart mail box                                         | 10 days  | Thu<br>10/5/23  | Mon<br>10/16/23 | 114 |
| 2.2.1.3 | smart vending machines                                 | 10 days  | Mon<br>11/27/23 | Thu<br>12/7/23  | 120 |
| 2.2.2   | receive proposals                                      | 100 days | Sat<br>8/26/23  | Tue<br>12/19/23 |     |
| 2.2.2.1 | Smart Seats                                            | 10 days  | Sat<br>8/26/23  | Tue 9/5/23      | 128 |
| 2.2.2.2 | smart mail box                                         | 10 days  | Tue<br>10/17/23 | Sat<br>10/28/23 | 129 |
| 2.2.2.3 | smart vending machines                                 | 10 days  | Sat<br>12/9/23  | Tue<br>12/19/23 | 130 |
| 2.2.3   | evaluate proposals                                     | 100 days | Wed<br>9/6/23   | Sun<br>12/31/23 |     |
| 2.2.3.1 | Smart Seats                                            | 10 days  | Wed<br>9/6/23   | Sun<br>9/17/23  | 132 |
| 2.2.3.2 | smart mail box                                         | 10 days  | Sun<br>10/29/23 | Wed<br>11/8/23  | 133 |
| 2.2.3.3 | smart vending machines                                 | 10 days  | Wed<br>12/20/23 | Sun<br>12/31/23 | 134 |
| 2.2.4   | choose vendor or manufactures                          | 100 days | Mon<br>9/18/23  | Thu<br>1/11/24  |     |
| 2.2.4.1 | Smart Seats                                            | 10 days  | Mon<br>9/18/23  | Thu<br>9/28/23  | 136 |
| 2.2.4.2 | smart mail box                                         | 10 days  | Thu<br>11/9/23  | Mon<br>11/20/23 | 137 |
| 2.2.4.3 | smart vending machines                                 | 10 days  | Mon<br>1/1/24   | Thu<br>1/11/24  | 138 |
| 2.2.5   | contract with vendor or manufactures                   | 90 days  | Thu<br>9/28/23  | Thu<br>1/11/24  |     |
| 2.2.5.1 | Smart Seats                                            | 0 days   | Thu<br>9/28/23  | Thu<br>9/28/23  | 140 |

|          |                                                        |                 |                         |                        |     |
|----------|--------------------------------------------------------|-----------------|-------------------------|------------------------|-----|
| 2.2.5.2  | smart mail box                                         | 0 days          | Mon<br>11/20/23         | Mon<br>11/20/23        | 141 |
| 2.2.5.3  | smart vending machines                                 | 0 days          | Thu<br>1/11/24          | Thu<br>1/11/24         | 142 |
| 2.2.6    | <b>contact vendor or manufacture for order request</b> | <b>100 days</b> | <b>Sat<br/>9/30/23</b>  | <b>Tue<br/>1/23/24</b> |     |
| 2.2.6.1  | Smart Seats                                            | 10 days         | Sat<br>9/30/23          | Tue<br>10/10/23        | 140 |
| 2.2.6.2  | smart mail box                                         | 10 days         | Tue<br>11/21/23         | Sat<br>12/2/23         | 141 |
| 2.2.6.3  | smart vending machines                                 | 10 days         | Sat<br>1/13/24          | Tue<br>1/23/24         | 142 |
| 2.2.7    | <b>receive technical quarry</b>                        | <b>100 days</b> | <b>Wed<br/>10/11/23</b> | <b>Sun 2/4/24</b>      |     |
| 2.2.7.1  | Smart Seats                                            | 10 days         | Wed<br>10/11/23         | Sun<br>10/22/23        | 148 |
| 2.2.7.2  | smart mail box                                         | 10 days         | Sun<br>12/3/23          | Wed<br>12/13/23        | 149 |
| 2.2.7.3  | smart vending machines                                 | 10 days         | Wed<br>1/24/24          | Sun 2/4/24             | 150 |
| 2.2.8    | <b>answer technical quarry</b>                         | <b>205 days</b> | <b>Thu<br/>6/22/23</b>  | <b>Thu<br/>2/15/24</b> |     |
| 2.2.8.1  | Smart Seats                                            | 10 days         | Thu<br>6/22/23          | Mon<br>7/3/23          |     |
| 2.2.8.2  | smart mail box                                         | 10 days         | Thu<br>12/14/23         | Mon<br>12/25/23        | 153 |
| 2.2.8.3  | smart vending machines                                 | 10 days         | Mon<br>2/5/24           | Thu<br>2/15/24         | 154 |
| 2.2.9    | <b>time of vendor and manufacture production time</b>  | <b>205 days</b> | <b>Tue<br/>7/4/23</b>   | <b>Tue<br/>2/27/24</b> |     |
| 2.2.9.1  | Smart Seats                                            | 10 days         | Tue<br>7/4/23           | Sat<br>7/15/23         | 156 |
| 2.2.9.2  | smart mail box                                         | 10 days         | Tue<br>12/26/23         | Sat 1/6/24             | 157 |
| 2.2.9.3  | smart vending machines                                 | 10 days         | Sat<br>2/17/24          | Tue<br>2/27/24         | 158 |
| 2.2.10   | <b>Deliver product</b>                                 | <b>205 days</b> | <b>Sun<br/>7/16/23</b>  | <b>Sun<br/>3/10/24</b> |     |
| 2.2.10.1 | Smart Seats                                            | 10 days         | Sun<br>7/16/23          | Wed<br>7/26/23         | 160 |
| 2.2.10.2 | smart mail box                                         | 10 days         | Sun<br>1/7/24           | Wed<br>1/17/24         | 161 |

|          |                                                             |                     |                        |                        |     |
|----------|-------------------------------------------------------------|---------------------|------------------------|------------------------|-----|
| 2.2.10.3 | smart vending machines                                      | 10 days             | Wed<br>2/28/24         | Sun<br>3/10/24         | 162 |
| 2.2.11   | <b>receive product</b>                                      | <b>195<br/>days</b> | <b>Wed<br/>7/26/23</b> | <b>Sun<br/>3/10/24</b> |     |
| 2.2.11.1 | Smart Seats                                                 | 0 days              | Wed<br>7/26/23         | Wed<br>7/26/23         | 164 |
| 2.2.11.2 | smart mail box                                              | 0 days              | Wed<br>1/17/24         | Wed<br>1/17/24         | 165 |
| 2.2.11.3 | smart vending machines                                      | 0 days              | Sun<br>3/10/24         | Sun<br>3/10/24         | 166 |
| 2.2.12   | <b>transport product to the ware house storage<br/>area</b> | <b>200<br/>days</b> | <b>Thu<br/>7/27/23</b> | <b>Sat<br/>3/16/24</b> |     |
| 2.2.12.1 | Smart Seats                                                 | 5 days              | Thu<br>7/27/23         | Tue 8/1/23             | 164 |
| 2.2.12.2 | smart mail box                                              | 5 days              | Thu<br>1/18/24         | Tue<br>1/23/24         | 165 |
| 2.2.12.3 | smart vending machines                                      | 5 days              | Mon<br>3/11/24         | Sat<br>3/16/24         | 166 |
| 2.3      | <b>Product Development</b>                                  | <b>210<br/>days</b> | <b>Wed<br/>8/2/23</b>  | <b>Tue 4/2/24</b>      |     |
| 2.3.1    | <b>Develop Prototypes</b>                                   | <b>200<br/>days</b> | <b>Wed<br/>8/2/23</b>  | <b>Thu<br/>3/21/24</b> |     |
| 2.3.1.1  | Smart Seats                                                 | 5 days              | Wed<br>8/2/23          | Mon<br>8/7/23          | 172 |
| 2.3.1.2  | smart mail box                                              | 5 days              | Wed<br>1/24/24         | Mon<br>1/29/24         | 173 |
| 2.3.1.3  | smart vending machines                                      | 5 days              | Sun<br>3/17/24         | Thu<br>3/21/24         | 174 |
| 2.3.2    | <b>Test products</b>                                        | <b>200<br/>days</b> | <b>Tue<br/>8/8/23</b>  | <b>Wed<br/>3/27/24</b> |     |
| 2.3.2.1  | Smart Seats                                                 | 5 days              | Tue<br>8/8/23          | Sun<br>8/13/23         | 177 |
| 2.3.2.2  | smart mail box                                              | 5 days              | Tue<br>1/30/24         | Sun 2/4/24             | 178 |
| 2.3.2.3  | smart vending machines                                      | 5 days              | Sat<br>3/23/24         | Wed<br>3/27/24         | 179 |
| 2.3.3    | <b>Make adjustments</b>                                     | <b>200<br/>days</b> | <b>Mon<br/>8/14/23</b> | <b>Tue 4/2/24</b>      |     |
| 2.3.3.1  | Smart Seats                                                 | 5 days              | Mon<br>8/14/23         | Sat<br>8/19/23         | 181 |
| 2.3.3.2  | smart mail box                                              | 5 days              | Mon<br>2/5/24          | Sat<br>2/10/24         | 182 |

|         |                                                                    |                  |                        |                         |               |
|---------|--------------------------------------------------------------------|------------------|------------------------|-------------------------|---------------|
| 2.3.3.3 | smart vending machines                                             | 5 days           | Thu<br>3/28/24         | Tue 4/2/24              | 183           |
| 2.3.4   | <b>Obtain Approval</b>                                             | <b>195 days</b>  | <b>Sat<br/>8/19/23</b> | <b>Tue 4/2/24</b>       |               |
| 2.3.4.1 | Smart Seats                                                        | 0 days           | Sat<br>8/19/23         | Sat<br>8/19/23          | 185           |
| 2.3.4.2 | smart mail box                                                     | 0 days           | Sat<br>2/10/24         | Sat<br>2/10/24          | 186           |
| 2.3.4.3 | smart vending machines                                             | 0 days           | Tue<br>4/2/24          | Tue 4/2/24              | 187           |
| 3       | <b>Marketing</b>                                                   | <b>1164 days</b> | <b>Wed<br/>4/3/24</b>  | <b>Tue<br/>12/21/27</b> |               |
| 3.1     | <b>Market Strategy</b>                                             | <b>1164 days</b> | <b>Wed<br/>4/3/24</b>  | <b>Tue<br/>12/21/27</b> |               |
| 3.1.1   | Marketing plan                                                     | 30 days          | Wed<br>4/3/24          | Tue 5/7/24              | 26,188        |
| 3.1.2   | <b>Marketing tools</b>                                             | <b>1134 days</b> | <b>Wed<br/>5/8/24</b>  | <b>Tue<br/>12/21/27</b> |               |
| 3.1.2.1 | Brochures                                                          | 30 days          | Wed<br>5/8/24          | Tue<br>6/11/24          | 194           |
| 3.1.2.2 | Advertising                                                        | 30 days          | Wed<br>5/8/24          | Tue<br>6/11/24          | 194           |
| 3.1.2.3 | Commercials                                                        | 30 days          | Wed<br>11/17/27        | Tue<br>12/21/27         | 250SS+10 days |
| 4       | <b>Sales and contracts</b>                                         | <b>76 days</b>   | <b>Wed<br/>6/12/24</b> | <b>Sun 9/8/24</b>       |               |
| 4.1     | <b>Study the Market</b>                                            | <b>21 days</b>   | <b>Wed<br/>6/12/24</b> | <b>Sat 7/6/24</b>       |               |
| 4.1.1   | <b>Riyadh Municipality, Department of investment (فرص program)</b> | <b>21 days</b>   | <b>Wed<br/>6/12/24</b> | <b>Sat 7/6/24</b>       |               |
| 4.1.1.1 | Visit website and see requirements                                 | 3 days           | Wed<br>6/12/24         | Sat<br>6/15/24          | #####         |
| 4.1.1.2 | prepare our documentations and presentation                        | 10 days          | Sun<br>6/16/24         | Wed<br>6/26/24          | 202           |
| 4.1.1.3 | make an appointment with the authorized person                     | 2 days           | Thu<br>6/27/24         | Sat<br>6/29/24          | 203           |
| 4.1.1.4 | fulfill his/her requirement                                        | 5 days           | Sun<br>6/30/24         | Thu 7/4/24              | 204           |
| 4.1.1.5 | sign the contract                                                  | 1 day            | Sat<br>7/6/24          | Sat 7/6/24              | 205           |
| 4.2     | <b>visit companies to sell our products</b>                        | <b>55 days</b>   | <b>Sun<br/>7/7/24</b>  | <b>Sun 9/8/24</b>       |               |
| 4.2.1   | interduce our products                                             | 10 days          | Sun<br>7/7/24          | Wed<br>7/17/24          | 206           |

|       |                                                        |                  |                        |                        |     |
|-------|--------------------------------------------------------|------------------|------------------------|------------------------|-----|
| 4.2.2 | collect interested calls                               | 20 days          | Thu<br>7/18/24         | Sat<br>8/10/24         | 208 |
| 4.2.3 | finalize the technical requirements                    | 10 days          | Sun<br>8/11/24         | Wed<br>8/21/24         | 209 |
| 4.2.4 | finalize the financial requirements                    | 10 days          | Thu<br>8/22/24         | Mon<br>9/2/24          | 210 |
| 4.2.5 | sign the contract                                      | 5 days           | Tue<br>9/3/24          | Sun 9/8/24             | 211 |
| 5     | <b>Operational process up to 5 years</b>               | <b>2206 days</b> | <b>Mon<br/>9/9/24</b>  | <b>Thu<br/>9/25/31</b> |     |
| 5.1   | <b>contact vendor or manufacture for order request</b> | <b>2 days</b>    | <b>Sun<br/>8/15/27</b> | <b>Tue<br/>8/17/27</b> |     |
| 5.1.1 | Smart Seats                                            | 0 days           | Sun<br>8/15/27         | Sun<br>8/15/27         | 206 |
| 5.1.2 | smart mail box                                         | 1 day            | Mon<br>8/16/27         | Mon<br>8/16/27         | 215 |
| 5.1.3 | smart vending machines                                 | 1 day            | Tue<br>8/17/27         | Tue<br>8/17/27         | 216 |
| 5.2   | <b>receive technical quarry</b>                        | <b>7 days</b>    | <b>Mon<br/>8/16/27</b> | <b>Mon<br/>8/23/27</b> |     |
| 5.2.1 | Smart Seats                                            | 5 days           | Mon<br>8/16/27         | Sat<br>8/21/27         | 215 |
| 5.2.2 | smart mail box                                         | 5 days           | Tue<br>8/17/27         | Sun<br>8/22/27         | 216 |
| 5.2.3 | smart vending machines                                 | 5 days           | Wed<br>8/18/27         | Mon<br>8/23/27         | 217 |
| 5.3   | <b>answer technical quarry</b>                         | <b>5 days</b>    | <b>Sun<br/>8/22/27</b> | <b>Thu<br/>8/26/27</b> |     |
| 5.3.1 | Smart Seats                                            | 3 days           | Sun<br>8/22/27         | Tue<br>8/24/27         | 219 |
| 5.3.2 | smart mail box                                         | 3 days           | Mon<br>8/23/27         | Wed<br>8/25/27         | 220 |
| 5.3.3 | smart vending machines                                 | 3 days           | Tue<br>8/24/27         | Thu<br>8/26/27         | 221 |
| 5.4   | <b>time of vendor and manufacture production time</b>  | <b>12 days</b>   | <b>Wed<br/>8/25/27</b> | <b>Tue 9/7/27</b>      |     |
| 5.4.1 | Smart Seats                                            | 10 days          | Wed<br>8/25/27         | Sun 9/5/27             | 223 |
| 5.4.2 | smart mail box                                         | 10 days          | Thu<br>8/26/27         | Mon<br>9/6/27          | 224 |
| 5.4.3 | smart vending machines                                 | 10 days          | Sat<br>8/28/27         | Tue 9/7/27             | 225 |

|              |                                                         |                |                    |                     |                     |
|--------------|---------------------------------------------------------|----------------|--------------------|---------------------|---------------------|
| <b>5.5</b>   | <b>Deliver product</b>                                  | <b>7 days</b>  | <b>Mon 9/6/27</b>  | <b>Mon 9/13/27</b>  |                     |
| <b>5.5.1</b> | Smart Seats                                             | 5 days         | Mon 9/6/27         | Sat 9/11/27         | 227                 |
| <b>5.5.2</b> | smart mail box                                          | 5 days         | Tue 9/7/27         | Sun 9/12/27         | 228                 |
| <b>5.5.3</b> | smart vending machines                                  | 5 days         | Wed 9/8/27         | Mon 9/13/27         | 229                 |
| <b>5.6</b>   | <b>receive product</b>                                  | <b>7 days</b>  | <b>Sun 9/12/27</b> | <b>Sun 9/19/27</b>  |                     |
| <b>5.6.1</b> | Smart Seats                                             | 5 days         | Sun 9/12/27        | Thu 9/16/27         | 231                 |
| <b>5.6.2</b> | smart mail box                                          | 5 days         | Mon 9/13/27        | Sat 9/18/27         | 232                 |
| <b>5.6.3</b> | smart vending machines                                  | 5 days         | Tue 9/14/27        | Sun 9/19/27         | 233                 |
| <b>5.7</b>   | <b>transport product to the ware house storage area</b> | <b>7 days</b>  | <b>Sat 9/18/27</b> | <b>Sat 9/25/27</b>  |                     |
| <b>5.7.1</b> | Smart Seats                                             | 5 days         | Sat 9/18/27        | Wed 9/22/27         | 235                 |
| <b>5.7.2</b> | smart mail box                                          | 5 days         | Sun 9/19/27        | Thu 9/23/27         | 236                 |
| <b>5.7.3</b> | smart vending machines                                  | 5 days         | Mon 9/20/27        | Sat 9/25/27         | 237                 |
| <b>5.8</b>   | <b>Product Production</b>                               | <b>40 days</b> | <b>Sun 9/26/27</b> | <b>Wed 11/10/27</b> |                     |
| <b>5.8.1</b> | Production Design Model                                 | 5 days         | Sun 9/26/27        | Thu 9/30/27         | <b>241</b>          |
| <b>5.8.2</b> | Production of products                                  | 5 days         | Sat 10/2/27        | Wed 10/6/27         | <b>243SS+5 days</b> |
| <b>5.8.3</b> | Testing & Quality assurance Products                    | 5 days         | Thu 10/7/27        | Tue 10/12/27        | <b>244SS+5 days</b> |
| <b>5.8.4</b> | Product approval                                        | 5 days         | Wed 10/13/27       | Mon 10/18/27        | <b>245SS+5 days</b> |
| <b>5.8.5</b> | product Transportation                                  | 5 days         | Tue 10/19/27       | Sun 10/24/27        | <b>246SS+5 days</b> |
| <b>5.8.6</b> | product installation                                    | 5 days         | Mon 10/25/27       | Sat 10/30/27        | <b>247SS+5 days</b> |
| <b>5.8.7</b> | final Testing & Quality assurance Products              | 5 days         | Sun 10/31/27       | Thu 11/4/27         | <b>248SS+5 days</b> |
| <b>5.8.8</b> | final approval                                          | 5 days         | Sat 11/6/27        | Wed 11/10/27        | <b>249SS+5 days</b> |

|              |                                           |                  |                     |                     |                      |
|--------------|-------------------------------------------|------------------|---------------------|---------------------|----------------------|
| <b>5.9</b>   | <b>Maintenance every month</b>            | <b>13 days</b>   | <b>Thu 12/16/27</b> | <b>Thu 12/30/27</b> |                      |
| <b>5.9.1</b> | product check list                        | 3 days           | Thu 12/16/27        | Sun 12/19/27        | <b>242FS+30 days</b> |
| <b>5.9.2</b> | product repair                            | 10 days          | Mon 12/20/27        | Thu 12/30/27        | <b>252</b>           |
| <b>5.1</b>   | operate adds and products                 | 1213 days        | Thu 11/11/27        | Thu 9/25/31         | 250,212              |
| <b>5.11</b>  | operate adds and products                 | 1030 days        | Mon 9/9/24          | Thu 12/23/27        | 212                  |
| <b>6</b>     | <b>HR Process up to 5 years</b>           | <b>1294 days</b> | <b>Mon 11/13/23</b> | <b>Thu 12/30/27</b> |                      |
| <b>6.1</b>   | Make a training plan and action plan      | <b>1294 days</b> | <b>Mon 11/13/23</b> | <b>Thu 12/30/27</b> |                      |
| <b>6.1.1</b> | Weekly training                           | 1294 days        | Mon 11/13/23        | Thu 12/30/27        | 90                   |
| <b>6.1.2</b> | monthly training                          | 1293 days        | Tue 11/14/23        | Thu 12/30/27        | 258                  |
| <b>6.1.3</b> | yearly training                           | 1290 days        | Sat 11/18/23        | Thu 12/30/27        | 259                  |
| <b>6.2</b>   | <b>goals and task completion system</b>   | <b>1290 days</b> | <b>Sat 11/18/23</b> | <b>Thu 12/30/27</b> |                      |
| <b>6.2.1</b> | monthly task completion list              | 972 days         | Sat 11/23/24        | Thu 12/30/27        | 213                  |
| <b>6.2.2</b> | yearly goals                              | 1290 days        | Sat 11/18/23        | Thu 12/30/27        | 260SS                |
| <b>6.3</b>   | attendance sheets                         | 1294 days        | Mon 11/13/23        | Thu 12/30/27        | 90                   |
| <b>6.4</b>   | salary sheets                             | 1294 days        | Mon 11/13/23        | Thu 12/30/27        | 90                   |
| <b>6.5</b>   | employees' requests                       | 1294 days        | Mon 11/13/23        | Thu 12/30/27        | 90                   |
| <b>7</b>     | <b>business development up to 5 years</b> | <b>1091 days</b> | <b>Sun 7/7/24</b>   | <b>Thu 12/30/27</b> |                      |
| <b>7.1</b>   | <b>product development</b>                | <b>972 days</b>  | <b>Sat 11/23/24</b> | <b>Thu 12/30/27</b> |                      |
| <b>7.1.1</b> | speed the production development          | 972 days         | Sat 11/23/24        | Thu 12/30/27        | 213                  |
| <b>7.1.2</b> | automate development                      | 911 days         | Sun 2/2/25          | Thu 12/30/27        | 213SS+180 days       |
| <b>7.1.3</b> | add new products                          | 731 days         | Sun 8/31/25         | Thu 12/30/27        | 213SS+360 days       |

|                |                                                 |                  |                     |                     |       |
|----------------|-------------------------------------------------|------------------|---------------------|---------------------|-------|
| <b>7.2</b>     | <b>project tasks</b>                            | <b>1091 days</b> | <b>Sun 7/7/24</b>   | <b>Thu 12/30/27</b> |       |
| <b>7.2.1</b>   | customer satisfaction                           | 1091 days        | Sun 7/7/24          | Thu 12/30/27        | 213SS |
| <b>7.2.2</b>   | project conformance                             | 972 days         | Sat 11/23/24        | Thu 12/30/27        | 213   |
| <b>7.2.3</b>   | project closing                                 | 972 days         | Sat 11/23/24        | Thu 12/30/27        | 213   |
| <b>8</b>       | <b>project management process up to 5 years</b> | <b>1294 days</b> | <b>Mon 11/13/23</b> | <b>Thu 12/30/27</b> |       |
| <b>8.1</b>     | project estimation                              | 1172 days        | Wed 4/3/24          | Thu 12/30/27        | 188   |
| <b>8.2</b>     | <b>project initiation</b>                       | <b>1171 days</b> | <b>Thu 4/4/24</b>   | <b>Thu 12/30/27</b> |       |
| <b>8.2.1</b>   | Project charter                                 | 1171 days        | Thu 4/4/24          | Thu 12/30/27        | 277   |
| <b>8.2.2</b>   | Stakeholder register                            | 1170 days        | Sat 4/6/24          | Thu 12/30/27        | 279   |
| <b>8.2.3</b>   | define project and statement                    | 1171 days        | Thu 4/4/24          | Thu 12/30/27        | 279SS |
| <b>8.3</b>     | <b>project planning</b>                         | <b>1170 days</b> | <b>Sat 4/6/24</b>   | <b>Thu 12/30/27</b> |       |
| <b>8.3.1</b>   | project WBS                                     | 1170 days        | Sat 4/6/24          | Thu 12/30/27        | 281   |
| <b>8.3.2</b>   | define packages                                 | 1169 days        | Sun 4/7/24          | Thu 12/30/27        | 283   |
| <b>8.3.3</b>   | define milestones                               | 1168 days        | Mon 4/8/24          | Thu 12/30/27        | 284   |
| <b>8.3.4</b>   | project scheduling                              | 1167 days        | Tue 4/9/24          | Thu 12/30/27        | 285   |
| <b>8.3.5</b>   | define critical path                            | 1166 days        | Wed 4/10/24         | Thu 12/30/27        | 286   |
| <b>8.4</b>     | <b>Project execution</b>                        | <b>1091 days</b> | <b>Sun 7/7/24</b>   | <b>Thu 12/30/27</b> |       |
| <b>8.4.1</b>   | include the operation system in section 5       | 1091 days        | Sun 7/7/24          | Thu 12/30/27        | 213SS |
| <b>8.5</b>     | <b>project monitoring and control</b>           | <b>1294 days</b> | <b>Mon 11/13/23</b> | <b>Thu 12/30/27</b> |       |
| <b>8.5.1</b>   | <b>create monitoring system</b>                 | <b>1165 days</b> | <b>Thu 4/11/24</b>  | <b>Thu 12/30/27</b> |       |
| <b>8.5.1.1</b> | create dashboards                               | 1165 days        | Thu 4/11/24         | Thu 12/30/27        | 287   |

|       |                             |                  |                   |                     |       |
|-------|-----------------------------|------------------|-------------------|---------------------|-------|
| 8.5.2 | change order log            | 1167 days        | Tue 4/9/24        | Thu 12/30/27        | 286SS |
| 8.5.3 | opportunity log             | 1167 days        | Tue 4/9/24        | Thu 12/30/27        | 293SS |
| 8.5.4 | threat log                  | 1167 days        | Tue 4/9/24        | Thu 12/30/27        | 293SS |
| 8.5.5 | operation monitoring system | 1164 days        | Sat 4/13/24       | Thu 12/30/27        | 291   |
| 8.5.6 | reporting                   | 1294 days        | Mon 11/13/23      | Thu 12/30/27        | 2     |
| 8.6   | <b>closing</b>              | <b>1091 days</b> | <b>Sun 7/7/24</b> | <b>Thu 12/30/27</b> |       |
| 8.6.1 | lesson learnt log           | 1090 days        | Mon 7/8/24        | Thu 12/30/27        | 289   |
| 8.6.2 | section 7.2                 | 1091 days        | Sun 7/7/24        | Thu 12/30/27        | 272SS |

Table 23: Work Packages in WBS

To more information Review Appendix

## 7.2.2 Relationship between Activities

what activities comprise the project and, for each activity, what its predecessors (or successors) are. An activity can be in any of these conditions:

- (1) it may have a successor(s) but no predecessor(s);
- (2) it may have a predecessor(s) but no successor(s); and
- (3) it may have both predecessor(s) and successor(s).

The first of these is an activity that starts a network. The second ends a network. The third is in the middle.

Example:

- Finish to Start: Activity 77 1.6.4 build Design team 30 days must not start before Activity 90 2.1.1.1 Conceptual Ideas 5 days Wed 11/23/22 Tue 11/29/22 7FS+10 days has been completed.
- Start to Start: Activity 67 1.5.7.1 Camera and security setup 5 days cannot begin until Activity 58 1.5.1 Offices 14 days has been underway.
- Finish to Finish: Activity 65 1.5.6 car parking and floor 14 days must be complete before Activity 68 1.5.7.2 Firefighting and safety setup 5 days is completed.
- Start to Finish: Activity B cannot be completed before the start of Activity A.

| ID  | Outline Number | Task Mode                                                                           | Task Name          | Duration | Start       | Finish       | Predecessors |
|-----|----------------|-------------------------------------------------------------------------------------|--------------------|----------|-------------|--------------|--------------|
| 106 | 2              |  | Product Life cycle | 245 days | Thu 6/22/23 | Tue 4/2/24   | 96FS+10 days |
| 107 | 2.1            |  | product Design     | 135 days | Thu 6/22/23 | Sun 11/26/23 |              |
| 108 | 2.1.1          |  | Smart Seats        | 45 days  | Thu 6/22/23 | Sun 8/13/23  |              |
| 109 | 2.1.1.1        |  | Conceptual Ideas   | 5 days   | Thu 6/22/23 | Tue 6/27/23  | 96FS+10 days |

relationships

Table 24: Relationship between Activities

To more information Review Appendix

## 7.2.3 Logical diagram critical path

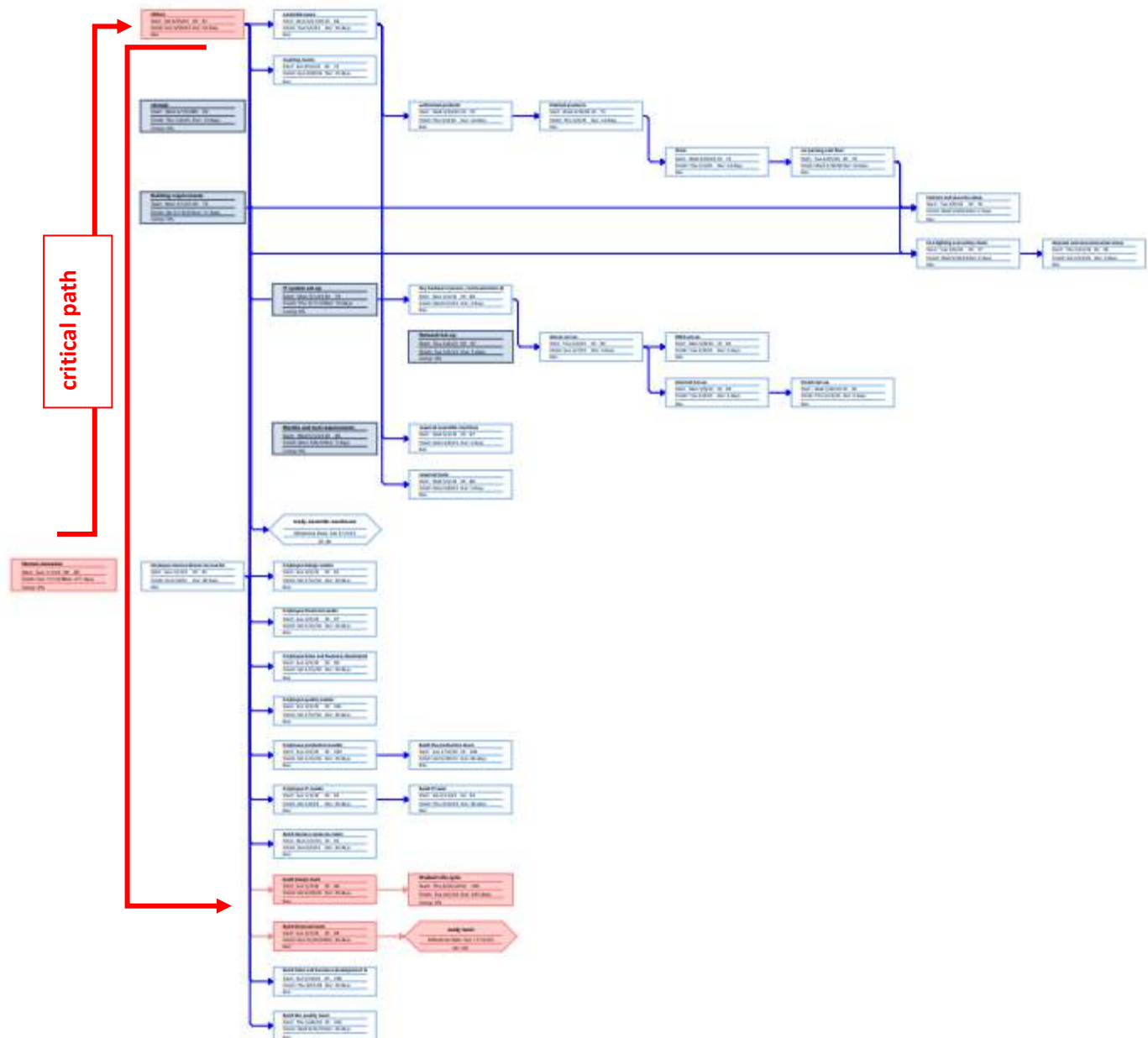
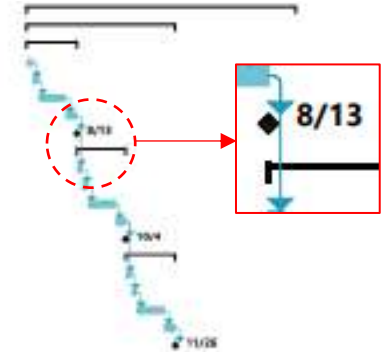


Figure 8: Logical diagram critical path

To more information Review Appendix

## 7.2.4 Gantt chart and milestones

| ID  | Outline Number | Task Mode | Task Name                            | Duration | Start        | Finish       | Predecessors |
|-----|----------------|-----------|--------------------------------------|----------|--------------|--------------|--------------|
| 100 | 2              | MC        | Product life cycle                   | 246 days | Thu 6/23/22  | Tue 4/2/24   | 1045=10 days |
| 101 | 2.1            | MC        | product Design                       | 336 days | Thu 6/23/22  | Sun 31/26/23 |              |
| 105 | 2.1.1          | MC        | Smart Seats                          | 45 days  | Thu 6/23/22  | Sun 8/13/22  |              |
| 106 | 2.1.1.1        | MC        | Conceptual ideas                     | 5 days   | Thu 6/23/22  | Tue 6/27/22  | 1045=10 days |
| 110 | 2.1.1.2        | MC        | Develop Initial idea                 | 5 days   | Wed 6/23/22  | Mon 7/3/22   | 100          |
| 111 | 2.1.1.3        | MC        | Review Functional and Specifications | 25 days  | Tue 7/4/22   | Tue 8/1/22   | 110          |
| 112 | 2.1.1.4        | MC        | Final Complete Design                | 30 days  | Wed 8/3/22   | Sun 8/13/22  | 111          |
| 113 | 2.1.1.5        | MC        | Finished Design                      | 8 days   | Sun 8/13/22  | Sun 8/13/22  | 112          |
| 114 | 2.1.2          | MC        | smart small box                      | 45 days  | Mon 6/14/22  | Wed 9/6/22   |              |
| 115 | 2.1.2.1        | MC        | Conceptual ideas                     | 5 days   | Mon 6/14/22  | Sun 6/19/22  | 111          |
| 116 | 2.1.2.2        | MC        | Develop Initial idea                 | 5 days   | Sun 6/19/22  | Thu 6/23/22  | 115          |
| 117 | 2.1.2.3        | MC        | Review Functional and Specifications | 25 days  | Sun 6/26/22  | Sun 7/23/22  | 116          |
| 118 | 2.1.2.4        | MC        | Final Complete Design                | 30 days  | Sun 7/23/22  | Wed 10/4/22  | 117          |
| 119 | 2.1.2.5        | MC        | Finished Design                      | 8 days   | Wed 10/4/22  | Wed 10/4/22  | 118          |
| 120 | 2.1.3          | MC        | smart vending machines               | 45 days  | Thu 10/6/22  | Sun 11/26/22 |              |
| 121 | 2.1.3.1        | MC        | Conceptual ideas                     | 5 days   | Thu 10/6/22  | Tue 10/11/22 | 119          |
| 122 | 2.1.3.2        | MC        | Develop Initial idea                 | 5 days   | Wed 10/11/22 | Mon 10/16/22 | 121          |
| 123 | 2.1.3.3        | MC        | Review Functional and Specifications | 25 days  | Tue 10/17/22 | Tue 11/14/22 | 122          |
| 124 | 2.1.3.4        | MC        | Final Complete Design                | 30 days  | Wed 11/14/22 | Sun 11/26/22 | 123          |
| 125 | 2.1.3.5        | MC        | Finished Design                      | 8 days   | Sun 11/26/22 | Sun 11/26/22 | 124          |



To more information Review Appendix

Table 25: Gantt chart and milestones

## 7.3. Quality

### 7.3.1 Deming Model for Quality

The Deming Cycle is also known as the PDCA cycle. It is a model for continuous improvement of quality which comprises logical sequences of four steps that are repetitive to help in bringing on continuous improvement as well as learning. The four components of the cycle are known as PDCA or Plan, Do, Check or Study and Act. It is also called the Deming Wheel since it is a spiral that leads to continuous improvement.

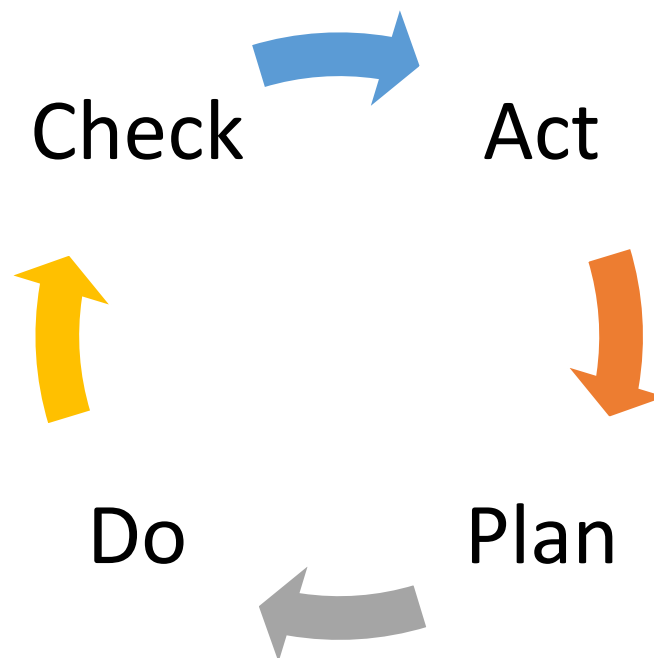


Figure 9: Deming Model for Quality

## 7.3.2 SIPOC Model and Ishikawa

### • SIPOC

Diagram is a visual process mapping. It's a process map that shows how the project goals will be accomplished. It's a way to make sure that the team and leadership all are on the same page about the business process and customer requirements.

The SIPOC diagram is an important visual tool that is easy to create. It helps to define who supplies the input to the process, what raw materials are placed in the inputs, the customer requirements of the process and more.

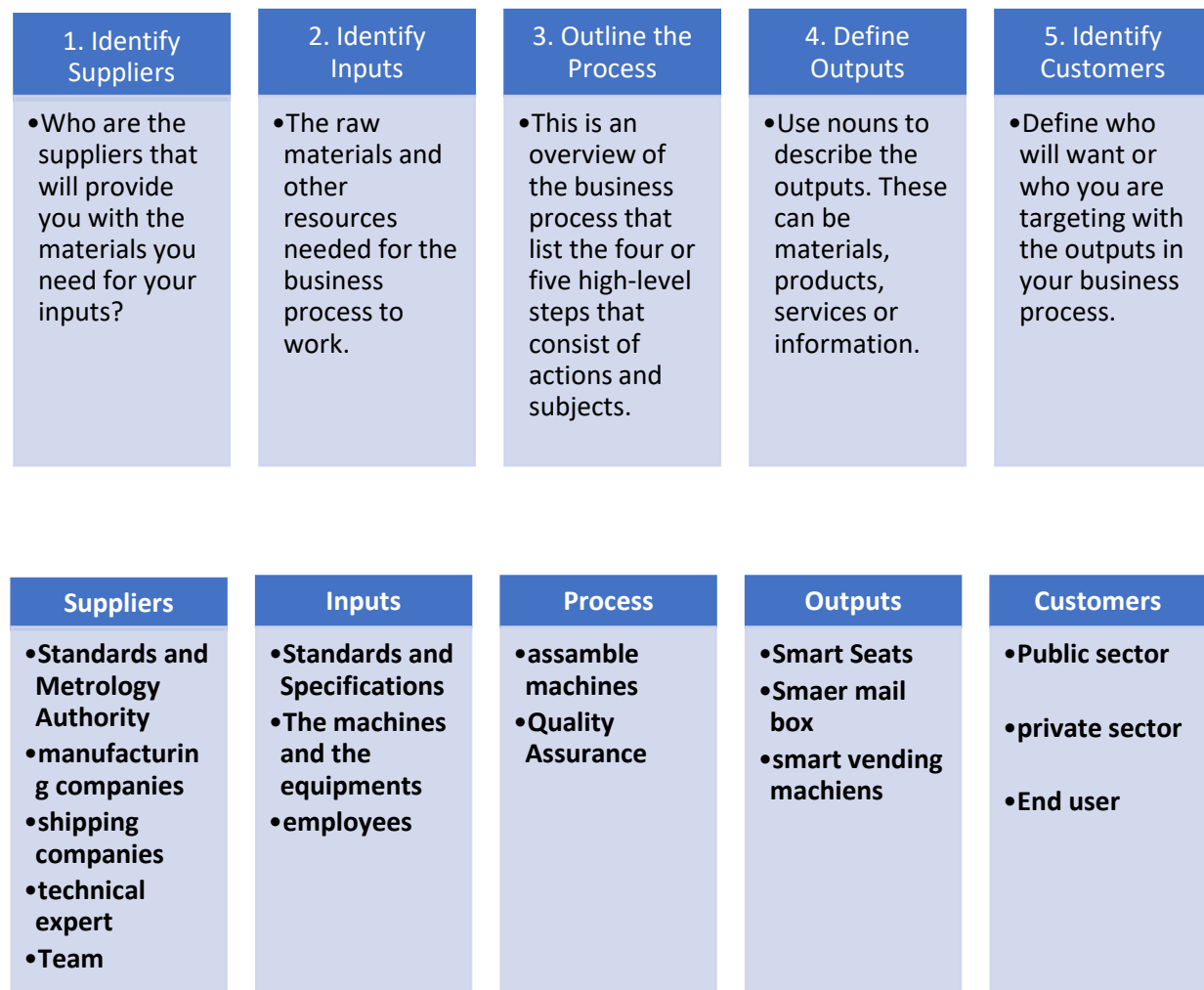


Figure 10: SIPOC Model

## • Ishikawa

Ishikawa diagrams (also called fishbone diagrams, herringbone diagrams, cause-and-effect diagrams, or Fishikawa) are causal diagrams created by Kaoru Ishikawa that show the potential causes of a specific event.

Common uses of the Ishikawa diagram are product design and quality defect prevention to identify potential factors causing an overall effect. Each cause or reason for imperfection is a source of variation. Causes are usually grouped into major categories to identify and classify these sources of variation.

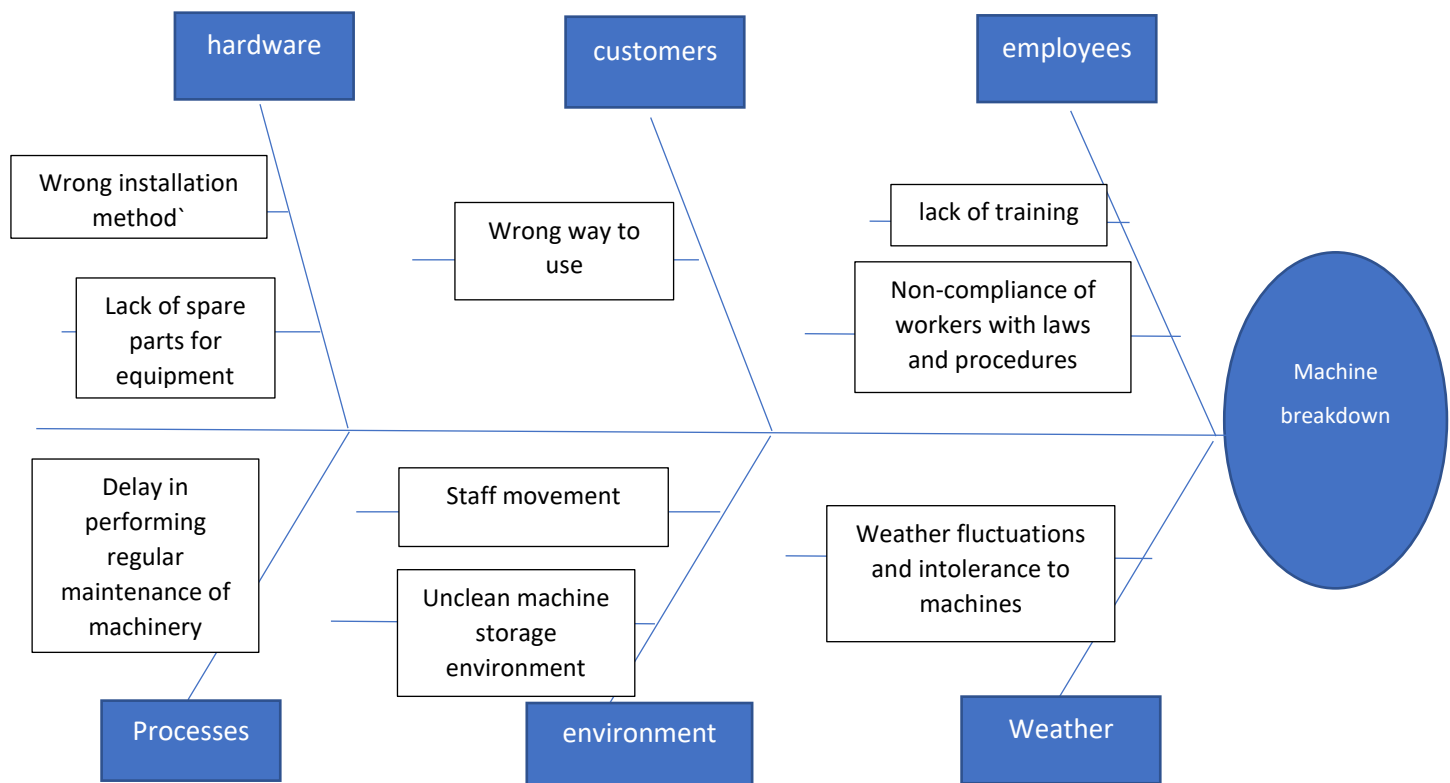


Figure 11: Ishikawa

| solutions                                                                                                              | issues                                               |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| employee training                                                                                                      | lack of training                                     |
| Establish laws and penalties for non-compliance of workers                                                             | Non-compliance of workers with laws and procedures   |
| Explain the method of use in more than one way and put it next to the machines                                         | Wrong way to use                                     |
| Training workers on correct installation methods                                                                       | Wrong installation method                            |
| Request spare parts when ordering machines                                                                             | Lack of spare parts for equipment                    |
| Create places for machines to isolate them from exposure to weather fluctuations                                       | Weather fluctuations and intolerance to machines     |
| Commitment to the cleanliness of the storage place and the application of strict laws and penalties for non-compliance | Unclean machine storage environment                  |
| Commitment to regular maintenance of machines                                                                          | Delay in performing regular maintenance of machinery |

Table 26 : Ishikawa

## 8.1. Finance

### 8.1.1 Cost Breakdown Structure

**Payback period** is defined as the number of years required to recover the original cash investment. In other words, it is the period of time at the end of which a machine, facility, or other investment has produced sufficient net revenue to recover its investment costs

**Rate of return (RoR)** is the net gain or loss of an investment over a specified time period, expressed as a percentage of the investment's initial cost. 1 When calculating the rate of return, you are determining the percentage change from the beginning of the period until the end.

**Internal rate of return (IRR)** is a metric used in financial analysis to estimate the profitability of potential investments. IRR is a discount rate that makes the net present value (NPV) of all cash flows equal to zero in a discounted cash flow analysis. IRR calculations rely on the same formula as NPV does.

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## 9.1. Resources

### 9.1.1 Resource Leveling and Smoothing

**Resource leveling** is a project management technique that involves resolving overallocation or scheduling conflicts to ensure a project can be completed with the available resources. Resources include the time, materials, or tools needed to complete a project. The purpose of resource leveling is to get the most out of available resources while working within the project's time, cost, and scope constraints

**Resource smoothing** is a technique that adjusts the activities of a schedule model such that the requirements for resources on the project do not exceed certain predefined resource limits.” The objective of resource smoothing, therefore, is uniform resource utilization, as it aims to complete the work by the specified date while avoiding ebbs and flows of resource demand. Most of the time, resource smoothing is used after resource leveling

In the following example, resource leveling has been done for designing phase. Which lead to adding another week to the phase process.

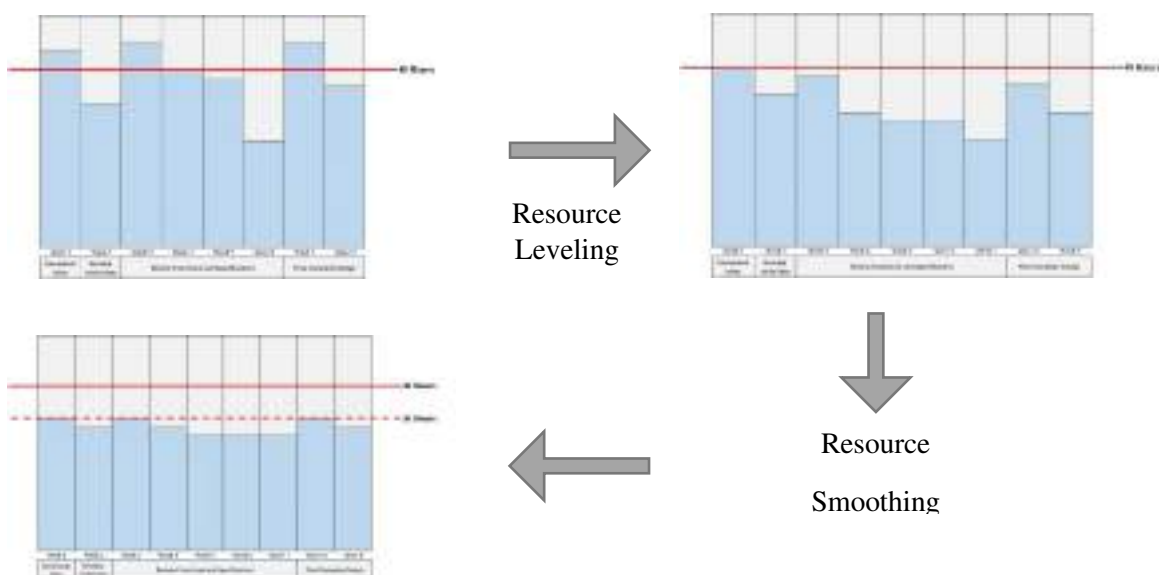


Figure 12 : Resource Leveling and Smoothing

## 9.2. Procurement

### 9.1.2 Procurement Execution

Procurement process means the series of processes to get products or services from request for proposal to order request and invoice approval. Also, procurement describes the activities involved in obtaining the goods and services. Thus, the procurement process in each organization differs because it depends on its context and operations. Please see the company procurement process in the 14 steps below.

| Step Number | Procurement task                                       |
|-------------|--------------------------------------------------------|
| 1           | Vendor and manufactures search                         |
| 2           | Vendor and manufactures found                          |
| 3           | send request of proposal with specification and design |
| 4           | receive proposals                                      |
| 5           | evaluate proposals                                     |
| 6           | choose vendor or manufactures                          |
| 7           | contract with vendor or manufactures                   |
| 8           | contact vendor or manufacture for order request        |
| 9           | receive technical quarry                               |
| 10          | answer technical quarry                                |
| 11          | time of vendor and manufacture production time         |
| 12          | Deliver product                                        |
| 13          | receive product and invoice approval                   |
| 14          | transport product to the ware house storage area       |

Table 28 : Procurement task

The scoring model related to vendor selection is an objective method which is used for vendor and manufacture comparison depending on selected criteria and prioritization to compare weights of each vendor proposal. The proposal with the highest score is picked after these projects have been scored.

| Criteria                    | weight | Requirement score |       |      |
|-----------------------------|--------|-------------------|-------|------|
|                             |        | A                 | B     | C    |
| Price                       | 20%    | 50                | 30    | 75   |
| Technical                   | 15%    | 60                | 75    | 35   |
| Sustainability              | 10%    | 20                | 90    | 40   |
| Easy to use                 | 10%    | 70                | 85    | 20   |
| Easy to assemble            | 10%    | 85                | 65    | 55   |
| Speed of delivery           | 10%    | 90                | 35    | 85   |
| Old Customer reviews        | 5%     | 90                | 60    | 90   |
| Communication               | 10%    | 50                | 70    | 85   |
| Past projects               | 5%     | 30                | 45    | 35   |
| Number of provided products | 5%     | 60                | 85    | 50   |
| Weighted Score              | 100%   | 59.5              | 61.25 | 57.5 |

Table 29 : Procurement Execution

## 9.3. Plan and Control

### 9.3.1 Agenda and Virtual Record Meeting

|                                                                        |                         |                              |      |           |                 |                            |                        |
|------------------------------------------------------------------------|-------------------------|------------------------------|------|-----------|-----------------|----------------------------|------------------------|
| 60 min                                                                 | Duration of the meeting | 9:00 pm                      | Time | 10/8/2022 | Date            | Wednesday                  | Day of the meeting     |
| Zoom                                                                   |                         |                              |      |           |                 | Meeting Place              |                        |
| CEO                                                                    |                         |                              |      |           |                 | The convener               |                        |
| Project Closure                                                        |                         |                              |      |           |                 | The subject of the meeting |                        |
| Discuss Project Closure                                                |                         |                              |      |           |                 | The aim of the meeting     |                        |
| <ul style="list-style-type: none"> <li>Project Deliverables</li> </ul> |                         |                              |      |           |                 | The meeting issues         |                        |
| Conference Telephone                                                   |                         | WiFi Internet                |      | Projector |                 | Computer (PC)              | Technical requirements |
|                                                                        |                         |                              |      |           |                 |                            |                        |
| Notes                                                                  |                         | The organizer – The position |      |           | Attendees names |                            |                        |
|                                                                        |                         | Project Leader               |      |           | Fahad Almawash  |                            |                        |
|                                                                        |                         | Quality Leader               |      |           | Basma almukhlfi |                            |                        |
|                                                                        |                         | Production Leader            |      |           | Majed           |                            |                        |
|                                                                        |                         | Design Leader                |      |           | Mohammed        |                            |                        |
|                                                                        |                         | Human resources Leader       |      |           | Marwan          |                            |                        |

Table 30 : Agenda and Virtual Record Meeting

### 9.3.2 Performance Measurement

The concept of measuring performance is considered a strategic practice where organizations have to evaluate, respond, and align a set of measures to get anything constructive and valuable around them. The method deals explicitly with the measurement of performance.

It is a process used to assess the efficiency and effectiveness of projects, programs and initiatives, which collecting, analyzing and evaluating how “on track” a project/program is to achieve its desired outcomes, goals and objectives.

The performance measures are quantitative indicators that have to be put in specific places to track the progress which is made in the organization. It will show whether the organization, individual, or group will achieve and accomplish their objectives and goals. These measures include a broad range of criteria:

- People measures
- Process measures
- Customer measures
- Financial measures

Performance measurement techniques:

- Create a mission statement.
- Create both a short-term and a long-term performance plan.
- Create different levels of objectives.
- Define who is responsible for every goal.
- Evaluate and re-evaluate company's goals.

### 9.3.3 Change Request Model

A change order is a document used to record an amendment to the original project requirements, scope, budget, timeline, or specifications ...etc. Due to that projects are both complex and unique, changes to the scope of a project are natural. The purpose of a change order request is to create a record of change services. To avoid chaos, Change Request orders are used to manage changes to the scope of a project in a controlled way, and to stay up to date and organized with documentation prevents falling behind schedule and eliminate payment disputes.

Key pieces of information contained within this Change Request Template are:

- Request No: A number assigned to uniquely identify each change request. You will see why this is important shortly when we look at a Change Log.
- Change Description: A brief description of the change that has been requested.
- Change Reason: The explanation has to why the change is being requested.
- Impact of change: here we specify what impact the change will have on the project. Will the change mean the project finishes sooner or later? Will the change mean the project costs less or more? Will the change impact quality in some way?
- Proposed Action: here the project manage will outline their recommendation for how they feel the change request should be handled. For example, they may propose that the change is accepted into the project but that some other deliverable is cancelled so the schedule isn't affected.
- Status: every change request will be in review until it is either approved or rejected by the project sponsor. This is important: it is the project sponsor who approves or rejects change requests, not the project manager.

- An example of a completed Change Request Template is shown below. In this example, the client chooses to add a swimming pool to their house build project.

### CHANGE REQUEST FORM

#### Change Description

|                                                             |                                                                                                        |                      |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------|
| <b>Project Name:</b>                                        | <b>Change Name:</b>                                                                                    | <b>Requested No:</b> |
| <b>Requested By:</b>                                        | <b>Contact:</b>                                                                                        | <b>Date:</b>         |
| <b>Description of Change:</b>                               |                                                                                                        |                      |
| <b>Reason for Change:</b>                                   |                                                                                                        |                      |
| <b>Priority [Circle One]: 1. High 2. Medium 3. Low</b>      |                                                                                                        |                      |
| <b>Impact on Deliverables:</b>                              |                                                                                                        |                      |
| <b>Proposed Action:</b>                                     |                                                                                                        |                      |
| <b>Impact of Not Responding to Change (and Reason Why):</b> |                                                                                                        |                      |
| <b>Status</b>                                               | <input type="checkbox"/> In review <input type="checkbox"/> Approved <input type="checkbox"/> Rejected | <b>Date:</b>         |
| <b>Date Needed:</b>                                         | <b>Approval of Request:</b>                                                                            | <b>Date:</b>         |

#### Sign Offs

|                                                                                 |              |
|---------------------------------------------------------------------------------|--------------|
| <b>[Circle One]: 1. Accepted 2. Deferred 3. Rejected 4. More Info Requested</b> |              |
| <b>Comments:</b>                                                                |              |
| <b>Project Manager Signature:</b>                                               | <b>Date:</b> |
| <b>Decision Maker Signature:</b>                                                | <b>Date:</b> |

Table 31 :Change Request Model

## 10.1. Risk and Opportunities

### 10.1.1 Risk Opportunities

A Risk and Opportunity Register is part of the overall strategy of building a visual workspace. It allows risks and opportunities to be identified and assessed early and allows the team to apply intellectual capital rather than financial capital to mitigate or avoid risks.

Risk appetite is the amount of risk an organization is willing to take in pursuit of objectives it deems have value. Our organization states that it will not accept risks that could result in a significant loss of its revenue base.

Risk tolerance is the amount of deviation from its risk appetite that an organization is willing to accept to achieve a specific objective, based on parameters that include industry and vertical standards. Our organization risk tolerance is low which will be made conservatively and will include more low-risk investments and less high-risk investment.

#### **Identify Risks (Threats) And Opportunities, with Examples:**

The Concept of Risk is Although the concept of risk adopted by most authors considers the positive or negative effects of risk on project objectives, most of the tools developed to date are used only to measure and assess threats (negative effects); opportunities (positive effects) are generally not covered by these tools.

We have Six (6) Simple questions to identify risks

Perhaps the simplest and fastest way to identify risks is to ask your stakeholders, project team, Project Board, operations team etc. some simple, open questions:

- ☐ What could go wrong?
- ☐ What could prevent this from happening?

- ☐ What can harm us?
- ☐ What is the worst-case scenario?
- ☐ What threats do we face?
- ☐ What opportunities could we find?

|                                                                                                                                                                                                                                                                  |                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| It is worth asking these questions: <ul style="list-style-type: none"> <li>• before, during and after the project or initiative</li> <li>• while reviewing each stage of the project life cycle</li> <li>• while reviewing key project documentation:</li> </ul> |                                                                                                                |
| <ul style="list-style-type: none"> <li>• Communication Plan</li> <li>• Business Case</li> <li>• O Project Plan</li> </ul>                                                                                                                                        | <ul style="list-style-type: none"> <li>• Project Initiation Documentation</li> <li>• O Requirements</li> </ul> |

Table 32 : Identify Risks

At the start of each project stage or phase.

Use PESTLE to find risks Once you have answered the six (6) questions review the headings below and ask, "what threats or opportunities could we face?" (Political, Economic, Socio-cultural, Technological, Legal & Environmental).

| Threats                                                         | Opportunities                          |
|-----------------------------------------------------------------|----------------------------------------|
| <b>Project purpose and need is not well-defined.</b>            | Active Construction Market             |
| <b>Project design and deliverable definition is incomplete.</b> | Closed Management to Construction Site |
| <b>Project schedule is not clearly defined or understood</b>    | Rapid Economic Development             |
| <b>No control over staff priorities</b>                         | Make Contingency Plan                  |

Table 33 : Risk and Opportunities

## 10.1.2 Risk register

| # | Risk ID | explained                                                                    | Category      | effect  | his property     | his property     |
|---|---------|------------------------------------------------------------------------------|---------------|---------|------------------|------------------|
| 1 | A11     | The proposed budget does not cover the costs of the project.                 | Financial     | severe  | account manager  | account manager  |
| 2 | B11     | Ignorance of some of the legal responsibilities of the project.              | legal         | high    | Project manager  | Project manager  |
| 3 | C11     | Electronic hacking attacks on the platform.                                  | technology    | severe  | Platform manager | Platform manager |
| 4 | D11     | Lack of logical reasoning in the strategic objectives of the project.        | strategy      | Average | Project manager  | Project manager  |
| 5 | E11     | The occurrence of natural disasters that prevent human or natural resources. | environmental | Average | Project manager  | Project manager  |

Table 34 : Risk and Opportunities

### 10.1.3 Qualitative risk analysis

It is process of assessing and managing the risks that can't be measured.

Qualitative analysis uses subjective approach while analyzing the various scenarios. therefore, different techniques are used while combatting different situations. It presents holistic picture of the project in view of critical situation.

Key benefits of risk analysis

- Provides structured approach for risk assessment
- Develop an effective risk management plan
- Facilitate effective decision making

Common pitfalls to be avoided while conducting risk analysis

Here are common pitfalls that could be avoided in the beginning stage

- Project objective not clearly defined
- Focus on individual risk instead of overall risk
- Over emphasizing the risk impact
- Understanding the dynamics of the risk nature

Common qualitative risk analysis methods

Here are some key methods used to assess risks at various levels

- Brainstorming
- Delphi method
- Decision tree analysis

## 10.1.4 Risk Response Strategies

- Positive Risks Opportunities Strategies
  1. Exploit (ensure the opportunity is realized).
  2. Enhance (increase probability or impact of opportunity).
  3. Share (have third party take on responsibility for opportunity)
  4. Accept.
- Negative Risks Threat Strategies
  1. Avoid (eliminate cause of risk).
  2. Mitigate (reduce probability or impact of risk).
  3. Transfer (have third party take on responsibility for risk) like Insurance.
  4. Accept (contingency plans for risk).
    - Active: to do something after risk occurrence.
    - Passive: to do nothing

## 10.2. Stakeholders

### 10.2.1 Stakeholder Engagement Matrix

The Stakeholder Engagement Matrix is a technique that used to indicate different type of stakeholders in any given project. The matrix shows comparison between different types of stakeholders, in terms of the current engagement levels of stakeholders and the desired engagement levels required for successful project delivery. There are five levels of stakeholder engagement:

|                   |                                                                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unaware</b>    | Where the stakeholder is unaware of the project and potential impacts.                                                                           |
| <b>Resistant</b>  | Where the stakeholder is aware of the project and its potential impacts, but resistant to any changes that may occur as a result of the project. |
| <b>Neutral</b>    | In this level, the stakeholder is aware of the project, but neither supportive nor unsupportive.                                                 |
| <b>Supportive</b> | At this level, the stakeholder is aware of the project and potential impacts and supportive of the work and its outcomes.                        |
| <b>Leading</b>    | The stakeholder is aware of the project and potential impacts and actively engaged in ensuring that the project is a success.                    |

Figure 13: Stakeholder Engagement

| Stakeholder    | Unaware | Resistant | Neutral | Supportive | Leading |
|----------------|---------|-----------|---------|------------|---------|
| Public sector  |         |           |         | C          | D       |
| Private Sector |         |           | C       |            | D       |
| Community      | C       |           |         | D          |         |
| Vendors        | C       |           |         | D          |         |
| Contractors    | C       |           |         | D          |         |
| Managers       |         |           |         |            | CD      |
| Team           |         |           |         | C          | D       |

Table 35: Stakeholder Engagement Matrix

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# Appendix

## 1 Gantt Chart





| ID  | Outline Number | Task Mode | Task Name                                                     | Duration | Start        | Finish       |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
|-----|----------------|-----------|---------------------------------------------------------------|----------|--------------|--------------|------|----|----|----|------|----|----|----|----|------|----|----|----|----|------|----|----|----|----|------|----|----|----|----|------|----|----|--|
|     |                |           |                                                               |          |              |              | 2023 | Q2 | Q3 | Q4 | 2024 | Q1 | Q2 | Q3 | Q4 | 2025 | Q1 | Q2 | Q3 | Q4 | 2026 | Q1 | Q2 | Q3 | Q4 | 2027 | Q1 | Q2 | Q3 | Q4 | 2028 | Q1 | Q2 |  |
| 77  | 1.5.7.2        |           | Fire fighting and safety check                                | 2 days   | Tue 5/9/23   | Wed 5/10/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 78  | 1.5.7.3        |           | disposal and environmental setup                              | 2 days   | Thu 5/11/23  | Sat 5/13/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 79  | 1.5.7.4        |           | IT system set up                                              | 10 days  | Mon 5/1/23   | Thu 5/11/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 80  | 1.5.7.4.1      |           | Pay hardware (server, communication<br>devises and computers) | 3 days   | Mon 5/1/23   | Wed 5/3/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 81  | 1.5.7.4.2      |           | Network Set up                                                | 5 days   | Thu 5/4/23   | Tue 5/9/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 82  | 1.5.7.4.2.1    |           | Server set up                                                 | 3 days   | Thu 5/4/23   | Sun 5/7/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 83  | 1.5.7.4.2.2    |           | PMIS set up                                                   | 2 days   | Mon 5/8/23   | Tue 5/9/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 84  | 1.5.7.4.3      |           | Internet Set up                                               | 2 days   | Mon 5/8/23   | Tue 5/9/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 85  | 1.5.7.4.4      |           | Emails Set up                                                 | 2 days   | Wed 5/10/23  | Thu 5/11/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 86  | 1.5.7.5        |           | Machin and tool requirements                                  | 5 days   | Wed 5/3/23   | Mon 5/8/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 87  | 1.5.7.5.1      |           | required assemble machines                                    | 5 days   | Wed 5/3/23   | Mon 5/8/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 88  | 1.5.7.5.2      |           | required tools                                                | 5 days   | Wed 5/3/23   | Mon 5/8/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 89  | 1.5.8          |           | ready assemble warehouse                                      | 0 days   | Sat 5/13/23  | Sat 5/13/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 90  | 1.6            |           | Human resources                                               | 271 days | Sun 1/1/23   | Sun 11/12/23 |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 91  | 1.6.1          |           | Employee Human Resources Leader                               | 30 days  | Sun 1/1/23   | Sat 2/4/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 92  | 1.6.2          |           | Build Human resources team                                    | 30 days  | Mon 5/1/23   | Sun 6/4/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 93  | 1.6.3          |           | Employee IT Leader                                            | 30 days  | Sun 1/1/23   | Sat 2/4/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 94  | 1.6.4          |           | Build IT team                                                 | 30 days  | Sat 2/11/23  | Thu 3/16/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 95  | 1.6.5          |           | Employee Design Leader                                        | 30 days  | Sun 2/5/23   | Sat 3/11/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 96  | 1.6.6          |           | build Design team                                             | 30 days  | Sun 5/7/23   | Sat 6/10/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 97  | 1.6.7          |           | Employee Financial Leader                                     | 30 days  | Sun 2/5/23   | Sat 3/11/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 98  | 1.6.8          |           | Build Financial team                                          | 43 days  | Sun 5/7/23   | Sun 11/12/23 |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 99  | 1.6.9          |           | Employee Sales and business development<br>Leader             | 30 days  | Sun 2/5/23   | Sat 3/11/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 100 | 1.6.10         |           | Build Sales and business development team                     | 30 days  | Sat 5/13/23  | Thu 6/15/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 101 | 1.6.11         |           | Employee quality Leader                                       | 30 days  | Sun 2/5/23   | Sat 3/11/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 102 | 1.6.12         |           | Build the quality team                                        | 30 days  | Thu 5/18/23  | Wed 6/21/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 103 | 1.6.13         |           | Employee production Leader                                    | 30 days  | Sun 2/5/23   | Sat 3/11/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 104 | 1.6.14         |           | Build the production team                                     | 60 days  | Sun 3/12/23  | Sat 5/20/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 105 | 1.6.15         |           | ready team                                                    | 0 days   | Sun 11/12/23 | Sun 11/12/23 |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 106 | 2              |           | Product Life cycle                                            | 245 days | Thu 6/22/23  | Tue 4/2/24   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 107 | 2.1            |           | product Design                                                | 135 days | Thu 6/22/23  | Sun 11/26/23 |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 108 | 2.1.1          |           | Smart Seats                                                   | 45 days  | Thu 6/22/23  | Sun 8/13/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 109 | 2.1.1.1        |           | Conceptual Ideas                                              | 5 days   | Thu 6/22/23  | Tue 6/27/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 110 | 2.1.1.2        |           | Develop Initial Idea                                          | 5 days   | Wed 6/28/23  | Mon 7/3/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 111 | 2.1.1.3        |           | Review Functional and Specifications                          | 25 days  | Tue 7/4/23   | Tue 8/1/23   |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 112 | 2.1.1.4        |           | Final Complete Design                                         | 10 days  | Wed 8/2/23   | Sun 8/13/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 113 | 2.1.1.5        |           | Finished Design                                               | 0 days   | Sun 8/13/23  | Sun 8/13/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 114 | 2.1.2          |           | smart mail box                                                | 45 days  | Mon 8/14/23  | Wed 10/4/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |
| 115 | 2.1.2.1        |           | Conceptual Ideas                                              | 5 days   | Mon 8/14/23  | Sat 8/19/23  |      |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |  |

Project: Project2

Date: Thu 8/18/22

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

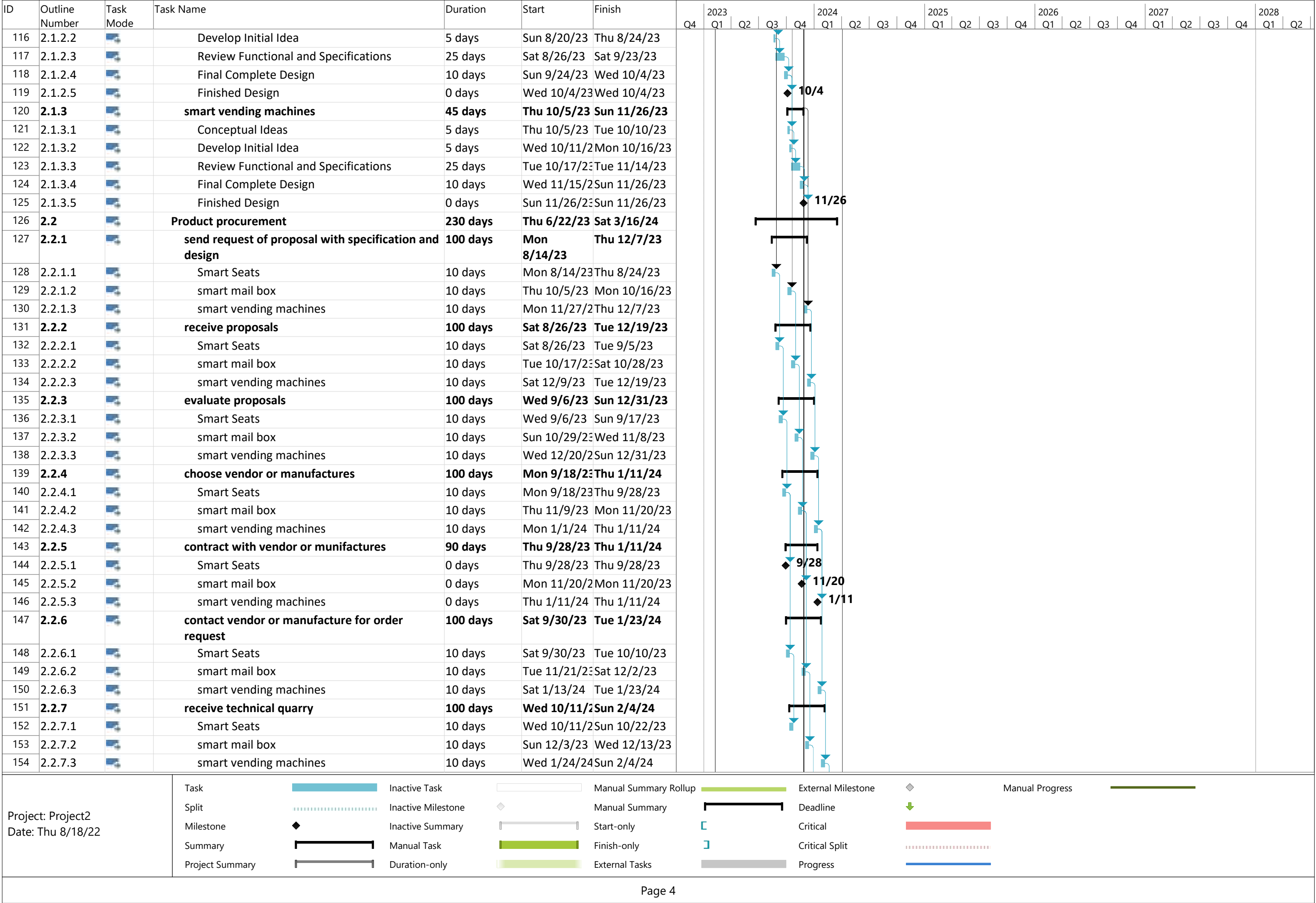
Critical

Critical Split

Progress

Manual Progress

Page 3



Page 4

| ID  | Outline Number | Task Mode | Task Name                                        | Duration | Start        | Finish       |
|-----|----------------|-----------|--------------------------------------------------|----------|--------------|--------------|
| 155 | 2.2.8          | [icon]    | answer technical quarry                          | 205 days | Thu 6/22/23  | Thu 2/15/24  |
| 156 | 2.2.8.1        | [icon]    | Smart Seats                                      | 10 days  | Thu 6/22/23  | Mon 7/3/23   |
| 157 | 2.2.8.2        | [icon]    | smart mail box                                   | 10 days  | Thu 12/14/23 | Mon 12/25/23 |
| 158 | 2.2.8.3        | [icon]    | smart vending machines                           | 10 days  | Mon 2/5/24   | Thu 2/15/24  |
| 159 | 2.2.9          | [icon]    | time of vendor and manufacture production time   | 205 days | Tue 7/4/23   | Tue 2/27/24  |
| 160 | 2.2.9.1        | [icon]    | Smart Seats                                      | 10 days  | Tue 7/4/23   | Sat 7/15/23  |
| 161 | 2.2.9.2        | [icon]    | smart mail box                                   | 10 days  | Tue 12/26/23 | Sat 1/6/24   |
| 162 | 2.2.9.3        | [icon]    | smart vending machines                           | 10 days  | Sat 2/17/24  | Tue 2/27/24  |
| 163 | 2.2.10         | [icon]    | Deliver product                                  | 205 days | Sun 7/16/23  | Sun 3/10/24  |
| 164 | 2.2.10.1       | [icon]    | Smart Seats                                      | 10 days  | Sun 7/16/23  | Wed 7/26/23  |
| 165 | 2.2.10.2       | [icon]    | smart mail box                                   | 10 days  | Sun 1/7/24   | Wed 1/17/24  |
| 166 | 2.2.10.3       | [icon]    | smart vending machines                           | 10 days  | Wed 2/28/24  | Sun 3/10/24  |
| 167 | 2.2.11         | [icon]    | receive product and invoice approval             | 195 days | Wed 7/26/23  | Sun 3/10/24  |
| 168 | 2.2.11.1       | [icon]    | Smart Seats                                      | 0 days   | Wed 7/26/23  | Wed 7/26/23  |
| 169 | 2.2.11.2       | [icon]    | smart mail box                                   | 0 days   | Wed 1/17/24  | Wed 1/17/24  |
| 170 | 2.2.11.3       | [icon]    | smart vending machines                           | 0 days   | Sun 3/10/24  | Sun 3/10/24  |
| 171 | 2.2.12         | [icon]    | transport product to the ware house storage area | 200 days | Thu 7/27/23  | Sat 3/16/24  |
| 172 | 2.2.12.1       | [icon]    | Smart Seats                                      | 5 days   | Thu 7/27/23  | Tue 8/1/23   |
| 173 | 2.2.12.2       | [icon]    | smart mail box                                   | 5 days   | Thu 1/18/24  | Tue 1/23/24  |
| 174 | 2.2.12.3       | [icon]    | smart vending machines                           | 5 days   | Mon 3/11/24  | Sat 3/16/24  |
| 175 | 2.3            | [icon]    | Product Development                              | 210 days | Wed 8/2/23   | Tue 4/2/24   |
| 176 | 2.3.1          | [icon]    | Develop Prototypes                               | 200 days | Wed 8/2/23   | Thu 3/21/24  |
| 177 | 2.3.1.1        | [icon]    | Smart Seats                                      | 5 days   | Wed 8/2/23   | Mon 8/7/23   |
| 178 | 2.3.1.2        | [icon]    | smart mail box                                   | 5 days   | Wed 1/24/24  | Mon 1/29/24  |
| 179 | 2.3.1.3        | [icon]    | smart vending machines                           | 5 days   | Sun 3/17/24  | Thu 3/21/24  |
| 180 | 2.3.2          | [icon]    | Test products                                    | 200 days | Tue 8/8/23   | Wed 3/27/24  |
| 181 | 2.3.2.1        | [icon]    | Smart Seats                                      | 5 days   | Tue 8/8/23   | Sun 8/13/23  |
| 182 | 2.3.2.2        | [icon]    | smart mail box                                   | 5 days   | Tue 1/30/24  | Sun 2/4/24   |
| 183 | 2.3.2.3        | [icon]    | smart vending machines                           | 5 days   | Sat 3/23/24  | Wed 3/27/24  |
| 184 | 2.3.3          | [icon]    | Make adjustments                                 | 200 days | Mon 8/14/23  | Tue 4/2/24   |
| 185 | 2.3.3.1        | [icon]    | Smart Seats                                      | 5 days   | Mon 8/14/23  | Sat 8/19/23  |
| 186 | 2.3.3.2        | [icon]    | smart mail box                                   | 5 days   | Mon 2/5/24   | Sat 2/10/24  |
| 187 | 2.3.3.3        | [icon]    | smart vending machines                           | 5 days   | Thu 3/28/24  | Tue 4/2/24   |
| 188 | 2.3.4          | [icon]    | Obtain Approval                                  | 195 days | Sat 8/19/23  | Tue 4/2/24   |
| 189 | 2.3.4.1        | [icon]    | Smart Seats                                      | 0 days   | Sat 8/19/23  | Sat 8/19/23  |
| 190 | 2.3.4.2        | [icon]    | smart mail box                                   | 0 days   | Sat 2/10/24  | Sat 2/10/24  |
| 191 | 2.3.4.3        | [icon]    | smart vending machines                           | 0 days   | Tue 4/2/24   | Tue 4/2/24   |
| 192 | 3              | [icon]    | Marketing                                        | 245 days | Thu 8/31/23  | Tue 6/11/24  |
| 193 | 3.1            | [icon]    | Market Strategy                                  | 245 days | Thu 8/31/23  | Tue 6/11/24  |

Project: Project2  
Date: Thu 8/18/22

TaskInactive Task

MilestoneInactive Milestone

SummaryManual Task

Project SummaryDuration-only

SplitInactive Summary

Manual Summary RollupExternal Tasks

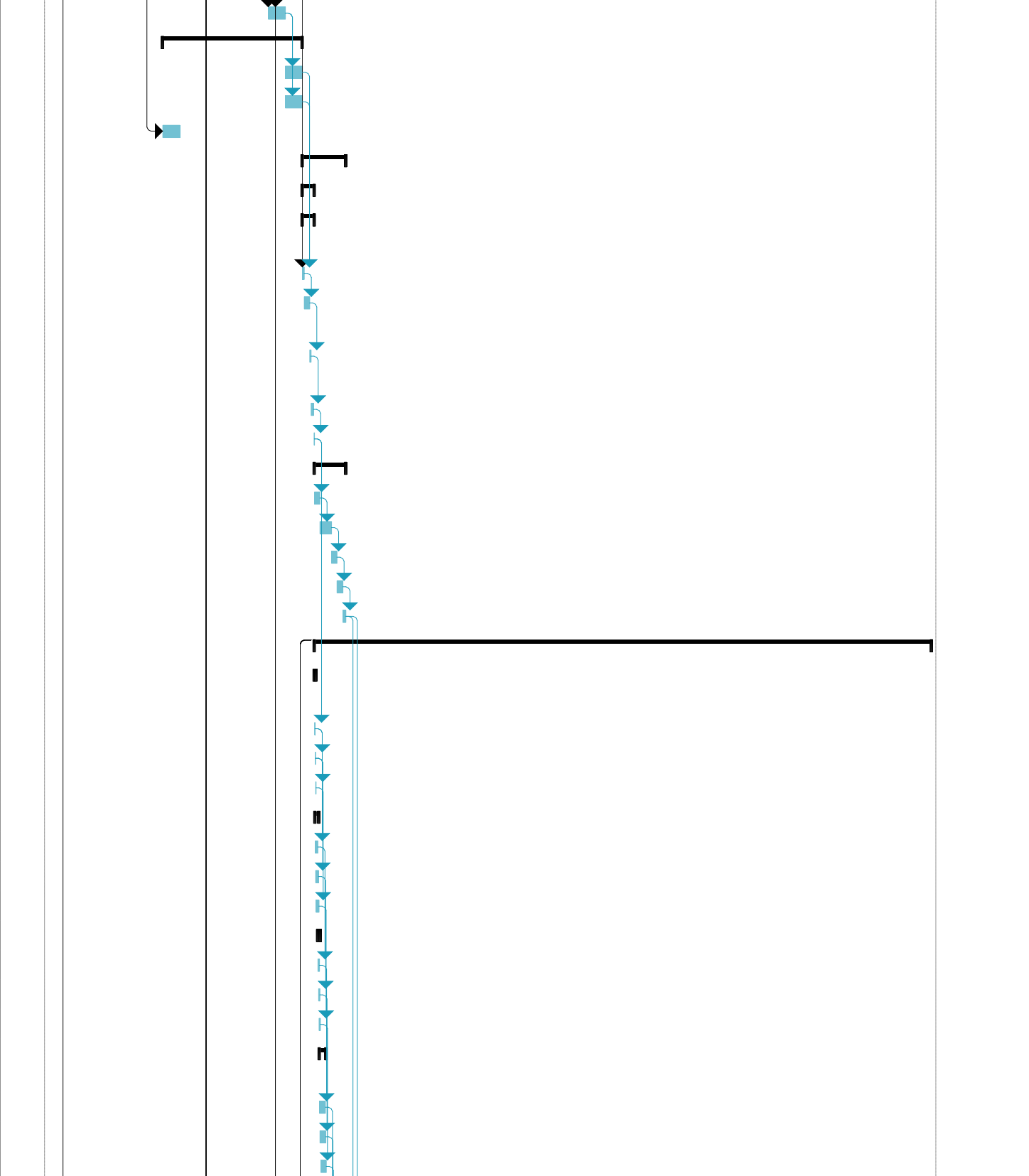
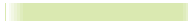
Manual SummaryFinish-only

Start-onlyCritical Split

DeadlineCritical

ProgressManual Progress

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| ID                                     | Outline Number | Task Mode                                                                           | Task Name                                                   | Duration                                                                            | Start              | Finish                                                                                |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
|----------------------------------------|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|------|----|----|----|----|------|----|----|----|----|------|----|----|----|----|------|----|----|----|----|------|----|----|
| 194                                    | 3.1.1          |    | Marketing plan                                              | 30 days                                                                             | Wed 4/3/24         | Tue 5/7/24                                                                            |  | 2023                                                                                  | Q1                 | Q2                                                                                    | Q3              | Q4                                                                                    | 2024 | Q1 | Q2 | Q3 | Q4 | 2025 | Q1 | Q2 | Q3 | Q4 | 2026 | Q1 | Q2 | Q3 | Q4 | 2027 | Q1 | Q2 | Q3 | Q4 | 2028 | Q1 | Q2 |
| 195                                    | 3.1.2          |    | Marketing tools                                             | 245 days                                                                            | Thu 8/31/23        | Tue 6/11/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 196                                    | 3.1.2.1        |    | Brochures                                                   | 30 days                                                                             | Wed 5/8/24         | Tue 6/11/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 197                                    | 3.1.2.2        |    | Advertising                                                 | 30 days                                                                             | Wed 5/8/24         | Tue 6/11/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 198                                    | 3.1.2.3        |    | Commercials                                                 | 30 days                                                                             | Thu 8/31/23        | Wed 10/4/23                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 199                                    | 4              |    | Sales and contracts                                         | 76 days                                                                             | Wed 6/12/24        | Sun 9/8/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 200                                    | 4.1            |    | Study the Market                                            | 21 days                                                                             | Wed 6/12/24        | Sat 7/6/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 201                                    | 4.1.1          |    | Riyadh Municipality, Department of investment (فرص program) | 21 days                                                                             | Wed 6/12/24        | Sat 7/6/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 202                                    | 4.1.1.1        |    | Visit website and see requirements                          | 3 days                                                                              | Wed 6/12/24        | Sat 6/15/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 203                                    | 4.1.1.2        |    | prepare our documentations and presentation                 | 10 days                                                                             | Sun 6/16/24        | Wed 6/26/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 204                                    | 4.1.1.3        |    | make an appointment with the authorized person              | 2 days                                                                              | Thu 6/27/24        | Sat 6/29/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 205                                    | 4.1.1.4        |    | fulfill his/her requirement                                 | 5 days                                                                              | Sun 6/30/24        | Thu 7/4/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 206                                    | 4.1.1.5        |    | sign the contract                                           | 1 day                                                                               | Sat 7/6/24         | Sat 7/6/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 207                                    | 4.2            |    | visit companies to sell our products                        | 55 days                                                                             | Sun 7/7/24         | Sun 9/8/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 208                                    | 4.2.1          |    | interduce our products                                      | 10 days                                                                             | Sun 7/7/24         | Wed 7/17/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 209                                    | 4.2.2          |    | collect interested calls                                    | 20 days                                                                             | Thu 7/18/24        | Sat 8/10/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 210                                    | 4.2.3          |    | finalize the technical requirements                         | 10 days                                                                             | Sun 8/11/24        | Wed 8/21/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 211                                    | 4.2.4          |    | finalize the financial requirements                         | 10 days                                                                             | Thu 8/22/24        | Mon 9/2/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 212                                    | 4.2.5          |    | sign the contract                                           | 5 days                                                                              | Tue 9/3/24         | Sun 9/8/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 213                                    | 5              |    | Operational process up to 5 years                           | 1085 days                                                                           | Sun 7/7/24         | Thu 12/23/27                                                                          |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 214                                    | 5.1            |    | contact vendor or manufacture for order request             | 3 days                                                                              | Sun 7/7/24         | Tue 7/9/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 215                                    | 5.1.1          |    | Smart Seats                                                 | 1 day                                                                               | Sun 7/7/24         | Sun 7/7/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 216                                    | 5.1.2          |  | smart mail box                                              | 1 day                                                                               | Mon 7/8/24         | Mon 7/8/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 217                                    | 5.1.3          |  | smart vending machines                                      | 1 day                                                                               | Tue 7/9/24         | Tue 7/9/24                                                                            |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 218                                    | 5.2            |  | receive technical quarry                                    | 7 days                                                                              | Mon 7/8/24         | Mon 7/15/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 219                                    | 5.2.1          |  | Smart Seats                                                 | 5 days                                                                              | Mon 7/8/24         | Sat 7/13/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 220                                    | 5.2.2          |  | smart mail box                                              | 5 days                                                                              | Tue 7/9/24         | Sun 7/14/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 221                                    | 5.2.3          |  | smart vending machines                                      | 5 days                                                                              | Wed 7/10/24        | Mon 7/15/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 222                                    | 5.3            |  | answer technical quarry                                     | 5 days                                                                              | Sun 7/14/24        | Thu 7/18/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 223                                    | 5.3.1          |  | Smart Seats                                                 | 3 days                                                                              | Sun 7/14/24        | Tue 7/16/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 224                                    | 5.3.2          |  | smart mail box                                              | 3 days                                                                              | Mon 7/15/24        | Wed 7/17/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 225                                    | 5.3.3          |  | smart vending machines                                      | 3 days                                                                              | Tue 7/16/24        | Thu 7/18/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 226                                    | 5.4            |  | time of vendor and manufacture production time              | 12 days                                                                             | Wed 7/17/24        | Tue 7/30/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 227                                    | 5.4.1          |  | Smart Seats                                                 | 10 days                                                                             | Wed 7/17/24        | Sun 7/28/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 228                                    | 5.4.2          |  | smart mail box                                              | 10 days                                                                             | Thu 7/18/24        | Mon 7/29/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| 229                                    | 5.4.3          |  | smart vending machines                                      | 10 days                                                                             | Sat 7/20/24        | Tue 7/30/24                                                                           |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
|                                        |                |                                                                                     |                                                             |                                                                                     |                    |                                                                                       |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| Project: Project2<br>Date: Thu 8/18/22 |                |                                                                                     | Task                                                        |  | Inactive Task      |  | Manual Summary Rollup                                                                |  | External Milestone |  | Manual Progress |  |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
|                                        |                |                                                                                     | Split                                                       |  | Inactive Milestone |  | Manual Summary                                                                       |  | Deadline           |  |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
|                                        |                |                                                                                     | Milestone                                                   |  | Inactive Summary   |  | Start-only                                                                           |  | Critical           |  |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
|                                        |                |                                                                                     | Summary                                                     |  | Manual Task        |  | Finish-only                                                                          |  | Critical Split     |  |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
|                                        |                |                                                                                     | Project Summary                                             |  | Duration-only      |  | External Tasks                                                                       |  | Progress           |  |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |
| Page 6                                 |                |                                                                                     |                                                             |                                                                                     |                    |                                                                                       |                                                                                      |                                                                                       |                    |                                                                                       |                 |                                                                                       |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |    |    |      |    |    |

| ID  | Outline Number | Task Mode | Task Name                                        | Duration  | Start        | Finish       | Timeline |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
|-----|----------------|-----------|--------------------------------------------------|-----------|--------------|--------------|----------|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|--|--|--|--|--|
|     |                |           |                                                  |           |              |              | Q4       | 2023 Q1 | Q2 | Q3 | Q4 | 2024 Q1 | Q2 | Q3 | Q4 | 2025 Q1 | Q2 | Q3 | Q4 | 2026 Q1 | Q2 | Q3 | Q4 | 2027 Q1 | Q2 | Q3 | Q4 | 2028 Q1 | Q2 |  |  |  |  |  |
| 230 | 5.5            |           | Deliver product                                  | 7 days    | Mon 7/29/24  | Mon 8/5/24   |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 231 | 5.5.1          |           | Smart Seats                                      | 5 days    | Mon 7/29/24  | Sat 8/3/24   |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 232 | 5.5.2          |           | smart mail box                                   | 5 days    | Tue 7/30/24  | Sun 8/4/24   |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 233 | 5.5.3          |           | smart vending machines                           | 5 days    | Wed 7/31/24  | Mon 8/5/24   |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 234 | 5.6            |           | receive product                                  | 7 days    | Sun 8/4/24   | Sun 8/11/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 235 | 5.6.1          |           | Smart Seats                                      | 5 days    | Sun 8/4/24   | Thu 8/8/24   |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 236 | 5.6.2          |           | smart mail box                                   | 5 days    | Mon 8/5/24   | Sat 8/10/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 237 | 5.6.3          |           | smart vending machines                           | 5 days    | Tue 8/6/24   | Sun 8/11/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 238 | 5.7            |           | transport product to the ware house storage area | 7 days    | Sat 8/10/24  | Sat 8/17/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 239 | 5.7.1          |           | Smart Seats                                      | 5 days    | Sat 8/10/24  | Wed 8/14/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 240 | 5.7.2          |           | smart mail box                                   | 5 days    | Sun 8/11/24  | Thu 8/15/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 241 | 5.7.3          |           | smart vending machines                           | 5 days    | Mon 8/12/24  | Sat 8/17/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 242 | 5.8            |           | Product Production                               | 40 days   | Sun 8/18/24  | Wed 10/2/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 243 | 5.8.1          |           | Production Design Model                          | 5 days    | Sun 8/18/24  | Thu 8/22/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 244 | 5.8.2          |           | Production of products                           | 5 days    | Sat 8/24/24  | Wed 8/28/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 245 | 5.8.3          |           | Testing & Quality assurance Products             | 5 days    | Thu 8/29/24  | Tue 9/3/24   |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 246 | 5.8.4          |           | Product approval                                 | 5 days    | Wed 9/4/24   | Mon 9/9/24   |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 247 | 5.8.5          |           | product Transportation                           | 5 days    | Tue 9/10/24  | Sun 9/15/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 248 | 5.8.6          |           | product installation                             | 5 days    | Mon 9/16/24  | Sat 9/21/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 249 | 5.8.7          |           | final Testing & Quality assurance Products       | 5 days    | Sun 9/22/24  | Thu 9/26/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 250 | 5.8.8          |           | final approval                                   | 5 days    | Sat 9/28/24  | Wed 10/2/24  |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 251 | 5.9            |           | Maintenance every month                          | 13 days   | Thu 11/7/24  | Thu 11/21/24 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 252 | 5.9.1          |           | product check list                               | 3 days    | Thu 11/7/24  | Sun 11/10/24 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 253 | 5.9.2          |           | product repair                                   | 10 days   | Mon 11/11/24 | Thu 11/21/24 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 254 | 5.10           |           | oparate adds and products                        | 1000 days | Thu 10/3/24  | Mon 12/13/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 255 | 5.11           |           | oparate adds and products                        | 1030 days | Mon 9/9/24   | Thu 12/23/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 256 | 6              |           | HR Process up to 5 years                         | 1294 days | Mon 11/13/24 | Thu 12/30/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 257 | 6.1            |           | Make a training plan and action plan             | 1294 days | Mon 11/13/24 | Thu 12/30/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 258 | 6.1.1          |           | Weekly training                                  | 1294 days | Mon 11/13/24 | Thu 12/30/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 259 | 6.1.2          |           | monthly training                                 | 1294 days | Mon 11/13/24 | Thu 12/30/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 260 | 6.1.3          |           | yearly training                                  | 1290 days | Mon 11/13/24 | Sun 12/26/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 261 | 6.2            |           | goals and task completion system                 | 1290 days | Mon 11/13/24 | Sun 12/26/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 262 | 6.2.1          |           | monthly task completion list                     | 1032 days | Sun 7/7/24   | Sat 10/23/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 263 | 6.2.2          |           | yearly goals                                     | 1290 days | Mon 11/13/24 | Sun 12/26/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 264 | 6.3            |           | attendance sheets                                | 1294 days | Mon 11/13/24 | Thu 12/30/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 265 | 6.4            |           | salary sheets                                    | 1294 days | Mon 11/13/24 | Thu 12/30/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 266 | 6.5            |           | employees requests                               | 1294 days | Mon 11/13/24 | Thu 12/30/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 267 | 7              |           | business devolpment up to 5 years                | 1036 days | Sun 7/7/24   | Wed 10/27/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |
| 268 | 7.1            |           | product development                              | 1030 days | Sun 7/7/24   | Wed 10/20/27 |          |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |  |  |  |  |  |

Project: Project2  
Date: Thu 8/18/22

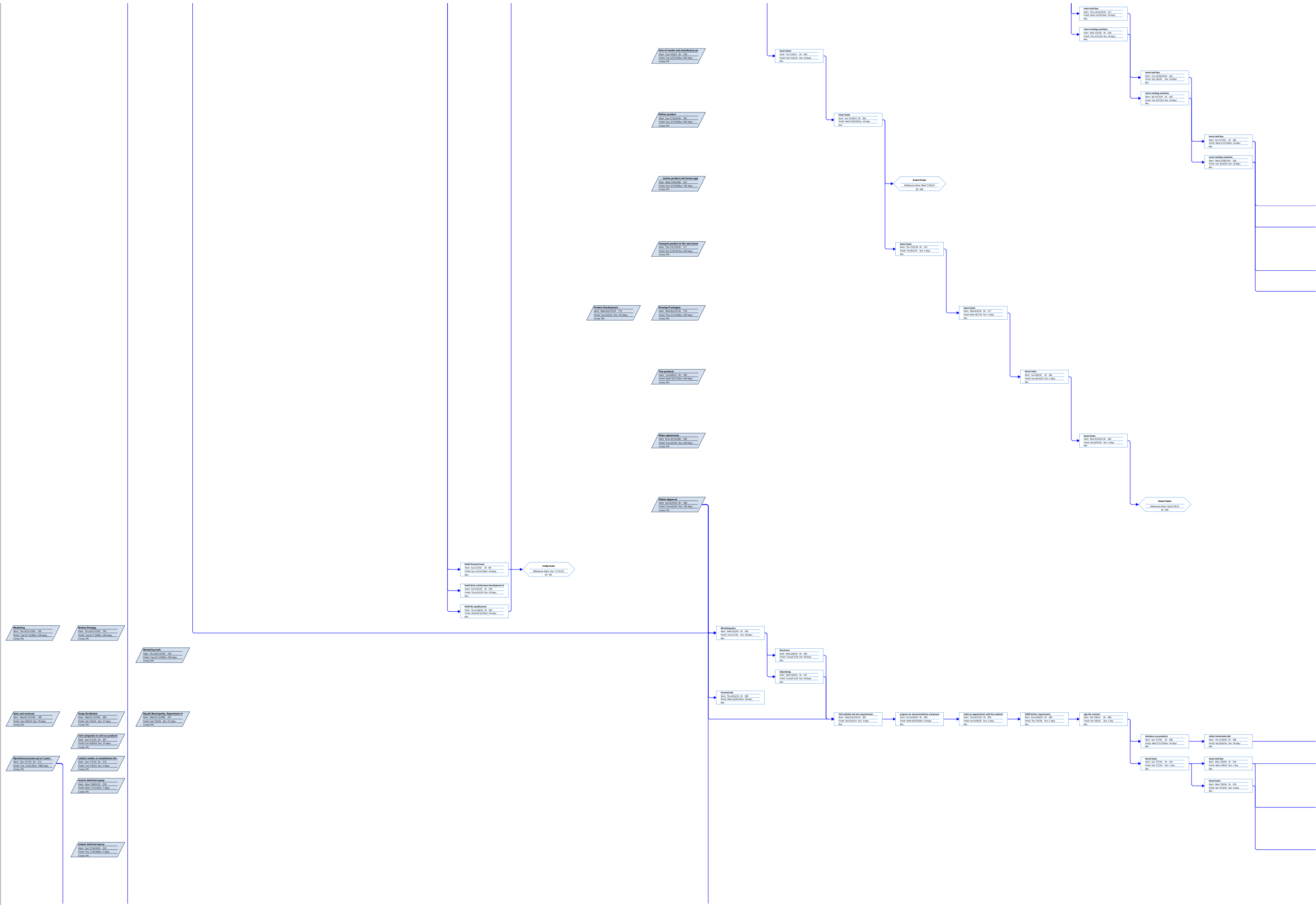
|                 |  |                    |  |                       |  |                    |  |                 |  |
|-----------------|--|--------------------|--|-----------------------|--|--------------------|--|-----------------|--|
| Task            |  | Inactive Task      |  | Manual Summary Rollup |  | External Milestone |  | Manual Progress |  |
| Split           |  | Inactive Milestone |  | Manual Summary        |  | Deadline           |  |                 |  |
| Milestone       |  | Inactive Summary   |  | Start-only            |  | Critical           |  |                 |  |
| Summary         |  | Manual Task        |  | Finish-only           |  | Critical Split     |  |                 |  |
| Project Summary |  | Duration-only      |  | External Tasks        |  | Progress           |  |                 |  |

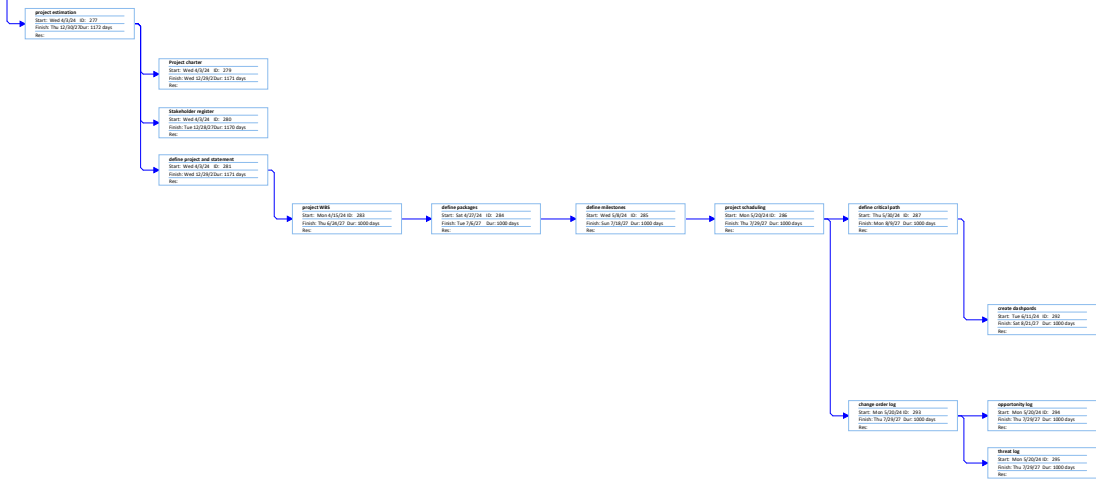
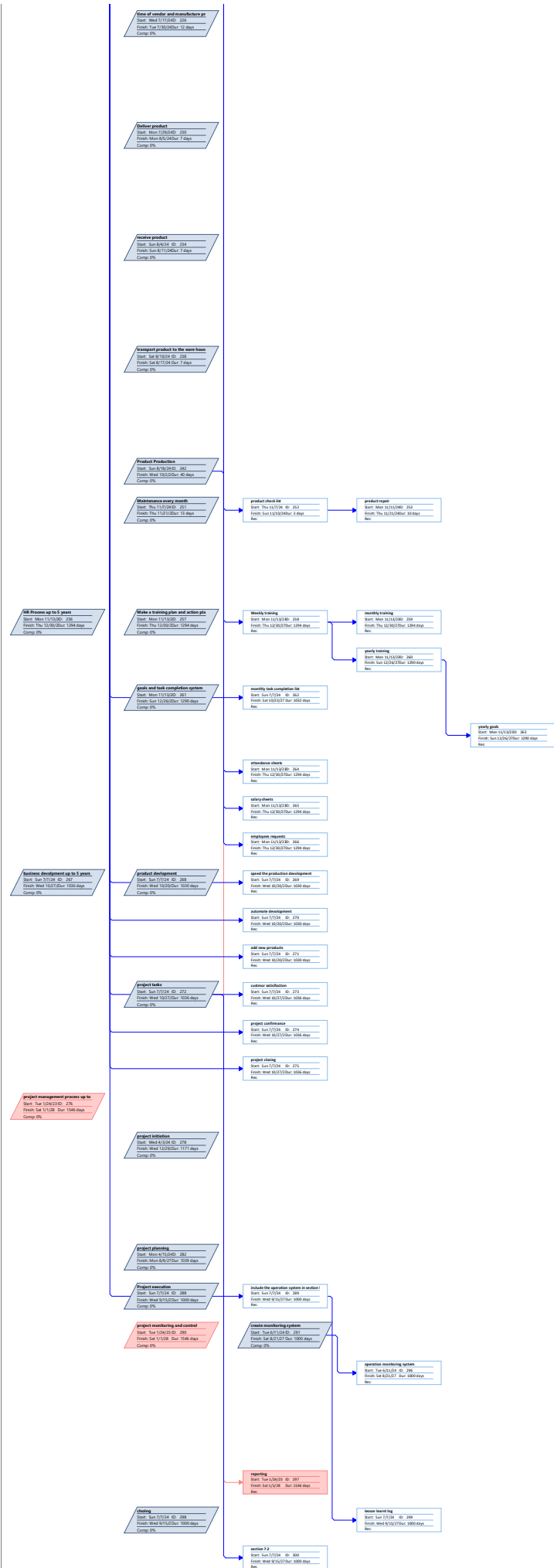


## (2)WBS with Critical Path



















## **(3) Milestones**

| ID | Outline Number | Task Mode | Task Name                                                             | Duration | Start       | Finish       | Predecessors |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
|----|----------------|-----------|-----------------------------------------------------------------------|----------|-------------|--------------|--------------|---|--------------|---|---|---|---|---|--------------|---|---|---|---|---|--------------|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|
|    |                |           |                                                                       |          |             |              |              | D | Half 1, 2023 |   |   |   |   |   | Half 2, 2023 |   |   |   |   |   | Half 1, 2024 |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
|    |                |           |                                                                       |          |             |              |              |   | J            | F | M | A | M | J | J            | A | S | O | N | D | J            | F | M | A | M |  |  |  |  |  |  |  |  |  |  |  |
| 1  | 1              |           | Establish Smart Street Solution Company                               | 271 days | Sun 1/1/23  | Sun 11/12/23 |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 2  | 1.1            |           | Stakeholder Kick of Meetings                                          | 20 days  | Sun 1/1/23  | Mon 1/23/23  |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 3  | 1.1.1          |           | Setup Initial Goals                                                   | 5 days   | Sun 1/1/23  | Thu 1/5/23   |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 4  | 1.1.2          |           | Setup visibility study                                                | 10 days  | Sat 1/7/23  | Tue 1/17/23  | 3            |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 5  | 1.1.3          |           | Agree on start up cost                                                | 3 days   | Wed 1/18/23 | Sat 1/21/23  | 4            |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 6  | 1.1.4          |           | write and sign the agreement and the charter between the stakeholders | 2 days   | Sun 1/22/23 | Mon 1/23/23  | 5            |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 7  | 1.1.5          |           | Project Charter                                                       | 0 days   | Mon 1/23/23 | Mon 1/23/23  | 6            |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 8  | 1.2            |           | collect Fund                                                          | 191 days | Sat 1/21/23 | Wed 8/30/23  |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 9  | 1.2.1          |           | Create a Company Bank Account                                         | 1 day    | Sat 1/21/23 | Sat 1/21/23  | 5SS+2 days   |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 10 | 1.2.2          |           | collect the first cost from the team investors                        | 10 days  | Sun 1/22/23 | Wed 2/1/23   | 9            |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 11 | 1.2.3          |           | collected start up cost                                               | 0 days   | Wed 2/1/23  | Wed 2/1/23   | 10           |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 12 | 1.2.4          |           | SIDF funding the company                                              | 60 days  | Thu 6/22/23 | Wed 8/30/23  | 102          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 13 | 1.2.5          |           | fund recived by SIDF                                                  | 0 days   | Wed 8/30/23 | Wed 8/30/23  | 12           |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 14 | 1.3            |           | research requirements                                                 | 67 days  | Tue 1/24/23 | Tue 4/11/23  |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 15 | 1.3.1          |           | Legal requirements                                                    | 7 days   | Tue 1/24/23 | Tue 1/31/23  |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 16 | 1.3.1.1        |           | Commercial Ministry                                                   | 2 days   | Tue 1/24/23 | Wed 1/25/23  | 2            |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |

Project: Project2  
Date: Thu 8/18/22

Task

Split

Milestone

Summary

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Project Summary

Rolled Up Task

Inactive Task

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Inactive Summary

Manual Task

Duration-only

Start-only

Finish-only

External Tasks

Deadline

Progress

| ID | Outline Number | Task Mode                                                                           | Task Name                                 | Duration | Start       | Finish      | Predecessors | Calendar |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|----------------|-------------------------------------------------------------------------------------|-------------------------------------------|----------|-------------|-------------|--------------|----------|--------------|--|--|--|--|--------------|--|--|--|--|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|    |                |                                                                                     |                                           |          |             |             |              | D        | Half 1, 2023 |  |  |  |  | Half 2, 2023 |  |  |  |  | Half 1, 2024 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 1.3.1.2        |    | standard and specifications Authority     | 5 days   | Thu 1/26/23 | Tue 1/31/23 | 16           |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 | 1.3.1.3        |    | Saudi Engineering council                 | 5 days   | Thu 1/26/23 | Tue 1/31/23 | 16           |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 | 1.3.1.4        |    | Environmental Authority                   | 5 days   | Thu 1/26/23 | Tue 1/31/23 | 16           |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 | 1.3.1.5        |    | Industrial Authority                      | 2 days   | Tue 1/24/23 | Wed 1/25/23 | 2            |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 | 1.3.1.6        |    | Municipality of Riyadh                    | 2 days   | Tue 1/24/23 | Wed 1/25/23 | 2            |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 | 1.3.1.7        |    | MOMRAH                                    | 2 days   | Tue 1/24/23 | Wed 1/25/23 | 2            |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23 | 1.3.1.8        |    | tax and zakat AUTHORITY                   | 2 days   | Tue 1/24/23 | Wed 1/25/23 | 2            |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 | 1.3.1.9        |    | Human Resources Ministry                  | 2 days   | Tue 1/24/23 | Wed 1/25/23 | 2            |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25 | 1.3.1.10       |  | Salamh ( Safety and security requirement) | 2 days   | Tue 1/24/23 | Wed 1/25/23 | 2            |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26 | 1.3.2          |  | opportunities study in the current market | 10 days  | Wed 2/1/23  | Sun 2/12/23 |              |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27 | 1.3.2.1        |  | Focus group analysis                      | 10 days  | Wed 2/1/23  | Sun 2/12/23 | 15           |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 28 | 1.3.2.2        |  | Surveys                                   | 10 days  | Wed 2/1/23  | Sun 2/12/23 | 15           |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29 | 1.3.2.3        |  | Market Reasrch                            | 10 days  | Wed 2/1/23  | Sun 2/12/23 | 15           |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 1.3.2.4        |  | Reasrch Analysis                          | 10 days  | Wed 2/1/23  | Sun 2/12/23 | 15           |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31 | 1.3.2.5        |  | opportunities study                       | 0 days   | Sun 2/12/23 | Sun 2/12/23 | 30           |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 32 | 1.3.3          |  | Design Research and studies               | 60 days  | Wed 2/1/23  | Tue 4/11/23 |              |          |              |  |  |  |  |              |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Project: Project2  
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Task

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Start-only

Finish-only

External Tasks

Deadline

Progress

| ID | Outline Number | Task Mode                                                                           | Task Name                                   | Duration | Start       | Finish      | Predecessors |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
|----|----------------|-------------------------------------------------------------------------------------|---------------------------------------------|----------|-------------|-------------|--------------|---|--------------|---|---|---|---|---|---|--------------|---|---|---|---|---|---|--------------|---|---|--|--|--|--|--|--|--|--|--|--|
|    |                |                                                                                     |                                             |          |             |             |              | D | Half 1, 2023 |   |   |   |   |   |   | Half 2, 2023 |   |   |   |   |   |   | Half 1, 2024 |   |   |  |  |  |  |  |  |  |  |  |  |
|    |                |                                                                                     |                                             |          |             |             |              |   | J            | F | M | A | M | J | J | A            | S | O | N | D | J | F | M            | A | M |  |  |  |  |  |  |  |  |  |  |
| 33 | 1.3.3.1        |    | GIS Study for public usage and density      | 14 days  | Mon 2/13/23 | Tue 2/28/23 | 26           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 34 | 1.3.3.2        |    | Design the samples of the products research | 20 days  | Mon 2/13/23 | Tue 3/7/23  | 26           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 35 | 1.3.3.3        |    | Design Research and studies                 | 0 days   | Tue 3/7/23  | Tue 3/7/23  | 34           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 36 | 1.3.3.4        |    | Vendor and manufactures search              | 15 days  | Wed 3/8/23  | Sat 3/25/23 |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 37 | 1.3.3.4.1      |    | Smart Seats                                 | 15 days  | Wed 3/8/23  | Sat 3/25/23 | 34           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 38 | 1.3.3.4.2      |    | smart mail box                              | 15 days  | Wed 3/8/23  | Sat 3/25/23 | 34           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 39 | 1.3.3.4.3      |    | smart vending machines                      | 15 days  | Wed 3/8/23  | Sat 3/25/23 | 34           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 40 | 1.3.3.4.4      |    | Vendor and manufactures found               | 0 days   | Sat 3/25/23 | Sat 3/25/23 | 39           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 41 | 1.3.3.5        |  | Resources requirements                      | 5 days   | Sun 3/26/23 | Thu 3/30/23 |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 42 | 1.3.3.5.1      |  | Smart Seats                                 | 5 days   | Sun 3/26/23 | Thu 3/30/23 | 34,36        |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 43 | 1.3.3.5.2      |  | smart mail box                              | 5 days   | Sun 3/26/23 | Thu 3/30/23 | 34,36        |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 44 | 1.3.3.5.3      |  | smart vending machines                      | 5 days   | Sun 3/26/23 | Thu 3/30/23 | 34,36        |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 45 | 1.3.3.6        |  | location of warehouse study                 | 14 days  | Sun 3/26/23 | Mon 4/10/23 | 34,36        |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 46 | 1.3.3.7        |  | Resources requirements found                | 0 days   | Mon 4/10/23 | Mon 4/10/23 | 45           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 47 | 1.3.3.8        |  | risk study                                  | 60 days  | Wed 2/1/23  | Tue 4/11/23 |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 48 | 1.3.3.8.1      |  | Hazard Risk                                 | 1 day    | Tue 4/11/23 | Tue 4/11/23 | 34,45        |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |

Project: Project2

Date: Thu 8/18/22

Task

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Milestone

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Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

Finish-only

External Tasks

Deadline

Progress

| ID | Outline Number | Task Mode | Task Name | Duration | Start | Finish | Predecessors |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|    |                |           |           |          |       |        |              |   | J            | F | M | A | M | J | J | A            | S | O | N | D | J | F | M            | A | M |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| ID | Outline Number | Task Mode | Task Name                                                  | Duration | Start       | Finish      | Predecessors |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
|----|----------------|-----------|------------------------------------------------------------|----------|-------------|-------------|--------------|---|--------------|---|---|---|---|--------------|---|---|---|---|--------------|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|
|    |                |           |                                                            |          |             |             |              | D | Half 1, 2023 |   |   |   |   | Half 2, 2023 |   |   |   |   | Half 1, 2024 |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
|    |                |           |                                                            |          |             |             |              | J | F            | M | A | M | J | J            | A | S | O | N | D            | J | F | M | A | M |  |  |  |  |  |  |  |  |  |  |  |
| 65 | 1.4.11         |           | finished governmental and legal requirements               | 0 days   | Thu 4/13/23 | Thu 4/13/23 | 59           |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 66 | 1.5            |           | Develop the assemble warehouse                             | 25 days  | Sat 4/15/23 | Sat 5/13/23 |              |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 67 | 1.5.1          |           | Offices                                                    | 14 days  | Sat 4/15/23 | Sun 4/30/23 | 60           |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 68 | 1.5.2          |           | assemble space                                             | 14 days  | Mon 4/17/23 | Tue 5/2/23  | 67SS+2 days  |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 69 | 1.5.3          |           | storage                                                    | 14 days  | Wed 4/19/23 | Thu 5/4/23  |              |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 70 | 1.5.3.1        |           | unfinished products                                        | 14 days  | Wed 4/19/23 | Thu 5/4/23  | 68SS+2 days  |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 71 | 1.5.3.2        |           | finished products                                          | 14 days  | Wed 4/19/23 | Thu 5/4/23  | 70SS         |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 72 | 1.5.4          |           | Clinic                                                     | 14 days  | Wed 4/19/23 | Thu 5/4/23  | 71SS         |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 73 | 1.5.5          |           | meeting rooms                                              | 14 days  | Sat 4/15/23 | Sun 4/30/23 | 67SS         |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 74 | 1.5.6          |           | car parking and floor                                      | 14 days  | Tue 4/25/23 | Wed 5/10/23 | 72SS+5 days  |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 75 | 1.5.7          |           | Building requirements                                      | 11 days  | Mon 5/1/23  | Sat 5/13/23 |              |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 76 | 1.5.7.1        |           | Camera and security setup                                  | 2 days   | Tue 5/9/23  | Wed 5/10/23 | 67SS,74FF    |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 77 | 1.5.7.2        |           | Fire fighting and safety check                             | 2 days   | Tue 5/9/23  | Wed 5/10/23 | 67SS,74FF    |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 78 | 1.5.7.3        |           | disposal and environmental setup                           | 2 days   | Thu 5/11/23 | Sat 5/13/23 | 77           |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 79 | 1.5.7.4        |           | IT system set up                                           | 10 days  | Mon 5/1/23  | Thu 5/11/23 |              |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 80 | 1.5.7.4.1      |           | Pay hardware (server, communication devises and computers) | 3 days   | Mon 5/1/23  | Wed 5/3/23  | 67           |   |              |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |

Project: Project2

Date: Thu 8/18/22

Task

Split

Milestone

Summary

Manual Summary

Project Summary

Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

Finish-only

External Tasks

Deadline

Progress

| ID | Outline Number | Task Mode | Task Name                       | Duration | Start       | Finish       | Predecessors |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
|----|----------------|-----------|---------------------------------|----------|-------------|--------------|--------------|---|--------------|---|---|---|---|---|---|--------------|---|---|---|---|---|---|--------------|---|---|--|--|--|--|--|--|--|--|--|--|
|    |                |           |                                 |          |             |              |              | D | Half 1, 2023 |   |   |   |   |   |   | Half 2, 2023 |   |   |   |   |   |   | Half 1, 2024 |   |   |  |  |  |  |  |  |  |  |  |  |
|    |                |           |                                 |          |             |              |              |   | J            | F | M | A | M | J | J | A            | S | O | N | D | J | F | M            | A | M |  |  |  |  |  |  |  |  |  |  |
| 81 | 1.5.7.4.2      |           | Network Set up                  | 5 days   | Thu 5/4/23  | Tue 5/9/23   |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 82 | 1.5.7.4.2.1    |           | Server set up                   | 3 days   | Thu 5/4/23  | Sun 5/7/23   | 80           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 83 | 1.5.7.4.2.2    |           | PMIS set up                     | 2 days   | Mon 5/8/23  | Tue 5/9/23   | 82           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 84 | 1.5.7.4.3      |           | Internet Set up                 | 2 days   | Mon 5/8/23  | Tue 5/9/23   | 82           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 85 | 1.5.7.4.4      |           | Emails Set up                   | 2 days   | Wed 5/10/23 | Thu 5/11/23  | 84           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 86 | 1.5.7.5        |           | Machin and tool requirements    | 5 days   | Wed 5/3/23  | Mon 5/8/23   |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 87 | 1.5.7.5.1      |           | required assemble machines      | 5 days   | Wed 5/3/23  | Mon 5/8/23   | 68           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 88 | 1.5.7.5.2      |           | required tools                  | 5 days   | Wed 5/3/23  | Mon 5/8/23   | 68           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 89 | 1.5.8          |           | ready assemble warehouse        | 0 days   | Sat 5/13/23 | Sat 5/13/23  | 75           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 90 | 1.6            |           | Human resources                 | 271 days | Sun 1/1/23  | Sun 11/12/23 |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 91 | 1.6.1          |           | Employee Human Resources Leader | 30 days  | Sun 1/1/23  | Sat 2/4/23   |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 92 | 1.6.2          |           | Build Human resources team      | 30 days  | Mon 5/1/23  | Sun 6/4/23   | 67           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 93 | 1.6.3          |           | Employee IT Leader              | 30 days  | Sun 1/1/23  | Sat 2/4/23   | 91SS         |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 94 | 1.6.4          |           | Build IT team                   | 30 days  | Sat 2/11/23 | Thu 3/16/23  | 93FS+5 days  |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 95 | 1.6.5          |           | Employee Design Leader          | 30 days  | Sun 2/5/23  | Sat 3/11/23  | 91           |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 96 | 1.6.6          |           | build Design team               | 30 days  | Sun 5/7/23  | Sat 6/10/23  | 67FS+5 days  |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |

Project: Project2

Date: Thu 8/18/22

Task

Split

Milestone

Summary

Manual Summary

Project Summary

Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

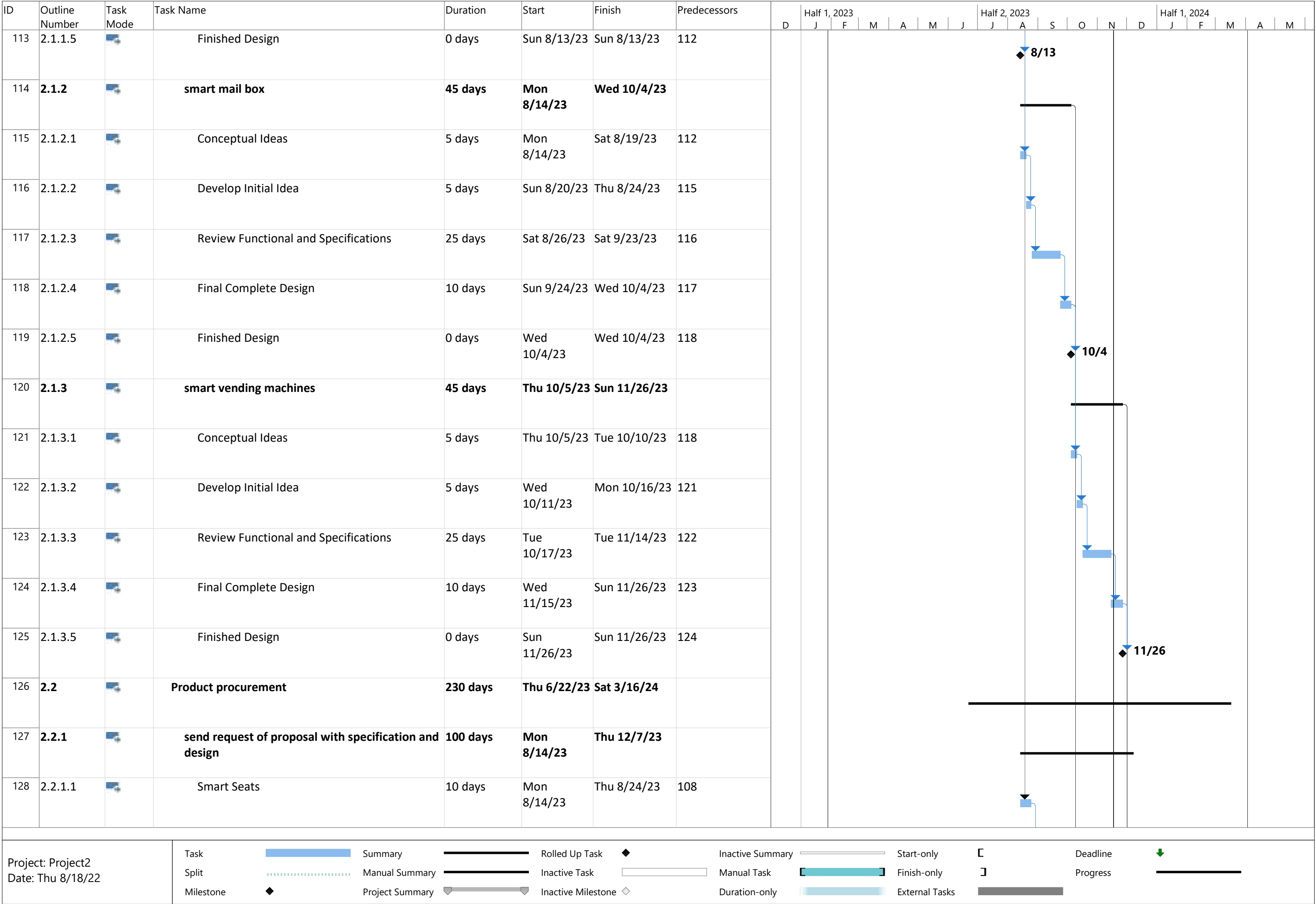
Finish-only

External Tasks

Deadline

Progress

| ID | Outline Number | Task Mode | Task Name | Duration | Start | Finish | Predecessors |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
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| ID  | Outline Number | Task Mode                                                                           | Task Name                            | Duration | Start        | Finish       | Predecessors |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
|-----|----------------|-------------------------------------------------------------------------------------|--------------------------------------|----------|--------------|--------------|--------------|---|--------------|---|---|---|---|---|---|--------------|---|---|---|---|---|---|--------------|---|---|--|--|--|--|--|--|--|--|--|--|
|     |                |                                                                                     |                                      |          |              |              |              | D | Half 1, 2023 |   |   |   |   |   |   | Half 2, 2023 |   |   |   |   |   |   | Half 1, 2024 |   |   |  |  |  |  |  |  |  |  |  |  |
|     |                |                                                                                     |                                      |          |              |              |              |   | J            | F | M | A | M | J | J | A            | S | O | N | D | J | F | M            | A | M |  |  |  |  |  |  |  |  |  |  |
| 129 | 2.2.1.2        |    | smart mail box                       | 10 days  | Thu 10/5/23  | Mon 10/16/23 | 114          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 130 | 2.2.1.3        |    | smart vending machines               | 10 days  | Mon 11/27/23 | Thu 12/7/23  | 120          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 131 | 2.2.2          |    | receive proposals                    | 100 days | Sat 8/26/23  | Tue 12/19/23 |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 132 | 2.2.2.1        |    | Smart Seats                          | 10 days  | Sat 8/26/23  | Tue 9/5/23   | 128          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 133 | 2.2.2.2        |    | smart mail box                       | 10 days  | Tue 10/17/23 | Sat 10/28/23 | 129          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 134 | 2.2.2.3        |    | smart vending machines               | 10 days  | Sat 12/9/23  | Tue 12/19/23 | 130          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 135 | 2.2.3          |    | evaluate proposals                   | 100 days | Wed 9/6/23   | Sun 12/31/23 |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 136 | 2.2.3.1        |    | Smart Seats                          | 10 days  | Wed 9/6/23   | Sun 9/17/23  | 132          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 137 | 2.2.3.2        |  | smart mail box                       | 10 days  | Sun 10/29/23 | Wed 11/8/23  | 133          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 138 | 2.2.3.3        |  | smart vending machines               | 10 days  | Wed 12/20/23 | Sun 12/31/23 | 134          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 139 | 2.2.4          |  | choose vendor or manufactures        | 100 days | Mon 9/18/23  | Thu 1/11/24  |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 140 | 2.2.4.1        |  | Smart Seats                          | 10 days  | Mon 9/18/23  | Thu 9/28/23  | 136          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 141 | 2.2.4.2        |  | smart mail box                       | 10 days  | Thu 11/9/23  | Mon 11/20/23 | 137          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 142 | 2.2.4.3        |  | smart vending machines               | 10 days  | Mon 1/1/24   | Thu 1/11/24  | 138          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 143 | 2.2.5          |  | contract with vendor or munufactures | 90 days  | Thu 9/28/23  | Thu 1/11/24  |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 144 | 2.2.5.1        |  | Smart Seats                          | 0 days   | Thu 9/28/23  | Thu 9/28/23  | 140          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |

Project: Project2

Date: Thu 8/18/22

Task

Split

Milestone

Summary

Manual Summary

Project Summary

Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

Finish-only

External Tasks

Deadline

Progress

| ID  | Outline Number | Task Mode                                                                           | Task Name                                       | Duration | Start        | Finish       | Predecessors |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
|-----|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------|----------|--------------|--------------|--------------|---|--------------|---|---|---|---|---|---|--------------|---|---|---|---|---|---|--------------|---|---|--|--|--|--|--|--|--|--|--|--|
|     |                |                                                                                     |                                                 |          |              |              |              | D | Half 1, 2023 |   |   |   |   |   |   | Half 2, 2023 |   |   |   |   |   |   | Half 1, 2024 |   |   |  |  |  |  |  |  |  |  |  |  |
|     |                |                                                                                     |                                                 |          |              |              |              |   | J            | F | M | A | M | J | J | A            | S | O | N | D | J | F | M            | A | M |  |  |  |  |  |  |  |  |  |  |
| 145 | 2.2.5.2        |    | smart mail box                                  | 0 days   | Mon 11/20/23 | Mon 11/20/23 | 141          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 146 | 2.2.5.3        |    | smart vending machines                          | 0 days   | Thu 1/11/24  | Thu 1/11/24  | 142          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 147 | 2.2.6          |    | contact vendor or manufacture for order request | 100 days | Sat 9/30/23  | Tue 1/23/24  |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 148 | 2.2.6.1        |    | Smart Seats                                     | 10 days  | Sat 9/30/23  | Tue 10/10/23 | 140          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 149 | 2.2.6.2        |    | smart mail box                                  | 10 days  | Tue 11/21/23 | Sat 12/2/23  | 141          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 150 | 2.2.6.3        |    | smart vending machines                          | 10 days  | Sat 1/13/24  | Tue 1/23/24  | 142          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 151 | 2.2.7          |    | receive technical quarry                        | 100 days | Wed 10/11/23 | Sun 2/4/24   |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 152 | 2.2.7.1        |    | Smart Seats                                     | 10 days  | Wed 10/11/23 | Sun 10/22/23 | 148          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 153 | 2.2.7.2        |  | smart mail box                                  | 10 days  | Sun 12/3/23  | Wed 12/13/23 | 149          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 154 | 2.2.7.3        |  | smart vending machines                          | 10 days  | Wed 1/24/24  | Sun 2/4/24   | 150          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 155 | 2.2.8          |  | answer technical quarry                         | 205 days | Thu 6/22/23  | Thu 2/15/24  |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 156 | 2.2.8.1        |  | Smart Seats                                     | 10 days  | Thu 6/22/23  | Mon 7/3/23   |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 157 | 2.2.8.2        |  | smart mail box                                  | 10 days  | Thu 12/14/23 | Mon 12/25/23 | 153          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 158 | 2.2.8.3        |  | smart vending machines                          | 10 days  | Mon 2/5/24   | Thu 2/15/24  | 154          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 159 | 2.2.9          |  | time of vendor and manufacture production time  | 205 days | Tue 7/4/23   | Tue 2/27/24  |              |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |
| 160 | 2.2.9.1        |  | Smart Seats                                     | 10 days  | Tue 7/4/23   | Sat 7/15/23  | 156          |   |              |   |   |   |   |   |   |              |   |   |   |   |   |   |              |   |   |  |  |  |  |  |  |  |  |  |  |

Project: Project2  
Date: Thu 8/18/22

Task

Split

Milestone

Summary

Manual Summary

Project Summary

Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

Finish-only

External Tasks

Deadline

Progress

| ID                                     | Outline Number | Task Mode                                                                           | Task Name                                        | Duration                                                                            | Start           | Finish                                                                                | Predecessors       |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
|----------------------------------------|----------------|-------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|--------------|---|---|---|---|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------|---|--|--|--|--|--|--|--|--|--|--|
|                                        |                |                                                                                     |                                                  |                                                                                     |                 |                                                                                       |                    | D                                                                                     | Half 1, 2023     |                                                                                       |                |                                                                                       |          |                                                                                       | Half 2, 2023 |   |   |   |   |                                                                                       | Half 1, 2024                                                                        |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
|                                        |                |                                                                                     |                                                  |                                                                                     |                 |                                                                                       |                    |                                                                                       | J                | F                                                                                     | M              | A                                                                                     | M        | J                                                                                     | J            | A | S | O | N | D                                                                                     | J                                                                                   | F                                                                                     | M                                                                                     | A    | M |  |  |  |  |  |  |  |  |  |  |
| 161                                    | 2.2.9.2        |    | smart mail box                                   | 10 days                                                                             | Tue 12/26/23    | Sat 1/6/24                                                                            | 157                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |    |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 162                                    | 2.2.9.3        |    | smart vending machines                           | 10 days                                                                             | Sat 2/17/24     | Tue 2/27/24                                                                           | 158                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |  |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 163                                    | 2.2.10         |    | Deliver product                                  | 205 days                                                                            | Sun 7/16/23     | Sun 3/10/24                                                                           |                    |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 164                                    | 2.2.10.1       |    | Smart Seats                                      | 10 days                                                                             | Sun 7/16/23     | Wed 7/26/23                                                                           | 160                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |    |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 165                                    | 2.2.10.2       |    | smart mail box                                   | 10 days                                                                             | Sun 1/7/24      | Wed 1/17/24                                                                           | 161                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |  |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 166                                    | 2.2.10.3       |    | smart vending machines                           | 10 days                                                                             | Wed 2/28/24     | Sun 3/10/24                                                                           | 162                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |    |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 167                                    | 2.2.11         |    | receive product and invoice approval             | 195 days                                                                            | Wed 7/26/23     | Sun 3/10/24                                                                           |                    |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 168                                    | 2.2.11.1       |    | Smart Seats                                      | 0 days                                                                              | Wed 7/26/23     | Wed 7/26/23                                                                           | 164                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |    | 7/26                                                                                |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 169                                    | 2.2.11.2       |   | smart mail box                                   | 0 days                                                                              | Wed 1/17/24     | Wed 1/17/24                                                                           | 165                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |  | 1/17                                                                                  |      |   |  |  |  |  |  |  |  |  |  |  |
| 170                                    | 2.2.11.3       |  | smart vending machines                           | 0 days                                                                              | Sun 3/10/24     | Sun 3/10/24                                                                           | 166                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |  | 3/10 |   |  |  |  |  |  |  |  |  |  |  |
| 171                                    | 2.2.12         |  | transport product to the ware house storage area | 200 days                                                                            | Thu 7/27/23     | Sat 3/16/24                                                                           |                    |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 172                                    | 2.2.12.1       |  | Smart Seats                                      | 5 days                                                                              | Thu 7/27/23     | Tue 8/1/23                                                                            | 164                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |  |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 173                                    | 2.2.12.2       |  | smart mail box                                   | 5 days                                                                              | Thu 1/18/24     | Tue 1/23/24                                                                           | 165                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |  |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 174                                    | 2.2.12.3       |  | smart vending machines                           | 5 days                                                                              | Mon 3/11/24     | Sat 3/16/24                                                                           | 166                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |  |      |   |  |  |  |  |  |  |  |  |  |  |
| 175                                    | 2.3            |  | Product Development                              | 210 days                                                                            | Wed 8/2/23      | Tue 4/2/24                                                                            |                    |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| 176                                    | 2.3.1          |  | Develop Prototypes                               | 200 days                                                                            | Wed 8/2/23      | Thu 3/21/24                                                                           |                    |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
|                                        |                |                                                                                     |                                                  |                                                                                     |                 |                                                                                       |                    |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
| Project: Project2<br>Date: Thu 8/18/22 |                |                                                                                     | Task                                             |  | Summary         |  | Rolled Up Task     |  | Inactive Summary |  | Start-only     |  | Deadline |  |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
|                                        |                |                                                                                     | Split                                            |  | Manual Summary  |  | Inactive Task      |  | Manual Task      |  | Finish-only    |  | Progress |  |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |
|                                        |                |                                                                                     | Milestone                                        |  | Project Summary |  | Inactive Milestone |  | Duration-only    |  | External Tasks |  |          |                                                                                       |              |   |   |   |   |                                                                                       |                                                                                     |                                                                                       |                                                                                       |      |   |  |  |  |  |  |  |  |  |  |  |

| ID  | Outline Number | Task Mode | Task Name              | Duration | Start       | Finish      | Predecessors | D | Half 1, 2023 |   |   |   |   |   | Half 2, 2023 |   |   |   |   | Half 1, 2024 |   |   |   |   |   |  |
|-----|----------------|-----------|------------------------|----------|-------------|-------------|--------------|---|--------------|---|---|---|---|---|--------------|---|---|---|---|--------------|---|---|---|---|---|--|
|     |                |           |                        |          |             |             |              |   | J            | F | M | A | M | J | J            | A | S | O | N | D            | J | F | M | A | M |  |
| 177 | 2.3.1.1        |           | Smart Seats            | 5 days   | Wed 8/2/23  | Mon 8/7/23  | 172          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 178 | 2.3.1.2        |           | smart mail box         | 5 days   | Wed 1/24/24 | Mon 1/29/24 | 173          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 179 | 2.3.1.3        |           | smart vending machines | 5 days   | Sun 3/17/24 | Thu 3/21/24 | 174          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 180 | 2.3.2          |           | Test products          | 200 days | Tue 8/8/23  | Wed 3/27/24 |              |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 181 | 2.3.2.1        |           | Smart Seats            | 5 days   | Tue 8/8/23  | Sun 8/13/23 | 177          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 182 | 2.3.2.2        |           | smart mail box         | 5 days   | Tue 1/30/24 | Sun 2/4/24  | 178          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 183 | 2.3.2.3        |           | smart vending machines | 5 days   | Sat 3/23/24 | Wed 3/27/24 | 179          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 184 | 2.3.3          |           | Make adjustments       | 200 days | Mon 8/14/23 | Tue 4/2/24  |              |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 185 | 2.3.3.1        |           | Smart Seats            | 5 days   | Mon 8/14/23 | Sat 8/19/23 | 181          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 186 | 2.3.3.2        |           | smart mail box         | 5 days   | Mon 2/5/24  | Sat 2/10/24 | 182          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 187 | 2.3.3.3        |           | smart vending machines | 5 days   | Thu 3/28/24 | Tue 4/2/24  | 183          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 188 | 2.3.4          |           | Obtain Approval        | 195 days | Sat 8/19/23 | Tue 4/2/24  |              |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 189 | 2.3.4.1        |           | Smart Seats            | 0 days   | Sat 8/19/23 | Sat 8/19/23 | 185          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 190 | 2.3.4.2        |           | smart mail box         | 0 days   | Sat 2/10/24 | Sat 2/10/24 | 186          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 191 | 2.3.4.3        |           | smart vending machines | 0 days   | Tue 4/2/24  | Tue 4/2/24  | 187          |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |
| 192 | 3              |           | Marketing              | 245 days | Thu 8/31/23 | Tue 6/11/24 |              |   |              |   |   |   |   |   |              |   |   |   |   |              |   |   |   |   |   |  |

Project: Project2  
Date: Thu 8/18/22

Task

Split

Milestone

Summary

Manual Summary

Project Summary

Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

Finish-only

External Tasks

Deadline

Progress

| ID | Outline Number | Task Mode | Task Name | Duration | Start | Finish | Predecessors |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|    |                |           |           |          |       |        |              |   | J            | F | M | A | M | J | J            | A | S | O | N | D | J            | F | M | A | M |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Outline Number | Task Mode                                                                           | Task Name                                       | Duration  | Start       | Finish       | Predecessors | D | Half 1, 2023 |   |   |   |   |   | Half 2, 2023 |   |   |   | Half 1, 2024 |   |   |   |   |   |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                                     |                                                 |           |             |              |              |   | J            | F | M | A | M | J | J            | A | S | O | N            | D | J | F | M | A |
| 209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4.2.2          |    | collect interested calls                        | 20 days   | Thu 7/18/24 | Sat 8/10/24  | 208          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4.2.3          |    | finalize the technical requirements             | 10 days   | Sun 8/11/24 | Wed 8/21/24  | 209          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4.2.4          |    | finalize the financial requirements             | 10 days   | Thu 8/22/24 | Mon 9/2/24   | 210          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 212                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4.2.5          |    | sign the contract                               | 5 days    | Tue 9/3/24  | Sun 9/8/24   | 211          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5              |    | Operational process up to 5 years               | 1085 days | Sun 7/7/24  | Thu 12/23/27 |              |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 214                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.1            |    | contact vendor or manufacture for order request | 3 days    | Sun 7/7/24  | Tue 7/9/24   |              |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.1.1          |    | Smart Seats                                     | 1 day     | Sun 7/7/24  | Sun 7/7/24   | 206          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.1.2          |    | smart mail box                                  | 1 day     | Mon 7/8/24  | Mon 7/8/24   | 215          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 217                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.1.3          |   | smart vending machines                          | 1 day     | Tue 7/9/24  | Tue 7/9/24   | 216          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 218                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.2            |  | receive technical quarry                        | 7 days    | Mon 7/8/24  | Mon 7/15/24  |              |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 219                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.2.1          |  | Smart Seats                                     | 5 days    | Mon 7/8/24  | Sat 7/13/24  | 215          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.2.2          |  | smart mail box                                  | 5 days    | Tue 7/9/24  | Sun 7/14/24  | 216          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 221                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.2.3          |  | smart vending machines                          | 5 days    | Wed 7/10/24 | Mon 7/15/24  | 217          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 222                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.3            |  | answer technical quarry                         | 5 days    | Sun 7/14/24 | Thu 7/18/24  |              |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 223                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.3.1          |  | Smart Seats                                     | 3 days    | Sun 7/14/24 | Tue 7/16/24  | 219          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| 224                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.3.2          |  | smart mail box                                  | 3 days    | Mon 7/15/24 | Wed 7/17/24  | 220          |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |
| <div>Project: Project2<br/>Date: Thu 8/18/22</div> <div><div><div>Task</div><div>Split</div><div>Milestone</div></div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>Summary</div><div>Manual Summary</div><div>Project Summary</div></div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>Rolled Up Task</div><div>Inactive Task</div><div>Inactive Milestone</div></div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>Inactive Summary</div><div>Manual Task</div><div>Duration-only</div></div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>Start-only</div><div>Finish-only</div><div>External Tasks</div></div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>Deadline</div><div>Progress</div></div><div><div><div></div></div><div><div></div></div></div></div> |                |                                                                                     |                                                 |           |             |              |              |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |

| ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Outline Number | Task Mode | Task Name                                        | Duration | Start       | Finish      | Predecessors | D | Half 1, 2023 |   |   |   |   |   | Half 2, 2023 |   |   |   | N | D | Half 1, 2024 |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------------------------------------------|----------|-------------|-------------|--------------|---|--------------|---|---|---|---|---|--------------|---|---|---|---|---|--------------|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |           |                                                  |          |             |             |              |   | J            | F | M | A | M | J | J            | A | S | O |   |   | J            | F | M | A | M |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.3.3          |           | smart vending machines                           | 3 days   | Tue 7/16/24 | Thu 7/18/24 | 221          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 226                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.4            |           | time of vendor and manufacture production time   | 12 days  | Wed 7/17/24 | Tue 7/30/24 |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 227                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.4.1          |           | Smart Seats                                      | 10 days  | Wed 7/17/24 | Sun 7/28/24 | 223          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 228                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.4.2          |           | smart mail box                                   | 10 days  | Thu 7/18/24 | Mon 7/29/24 | 224          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 229                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.4.3          |           | smart vending machines                           | 10 days  | Sat 7/20/24 | Tue 7/30/24 | 225          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.5            |           | Deliver product                                  | 7 days   | Mon 7/29/24 | Mon 8/5/24  |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 231                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.5.1          |           | Smart Seats                                      | 5 days   | Mon 7/29/24 | Sat 8/3/24  | 227          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 232                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.5.2          |           | smart mail box                                   | 5 days   | Tue 7/30/24 | Sun 8/4/24  | 228          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 233                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.5.3          |           | smart vending machines                           | 5 days   | Wed 7/31/24 | Mon 8/5/24  | 229          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.6            |           | receive product                                  | 7 days   | Sun 8/4/24  | Sun 8/11/24 |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 235                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.6.1          |           | Smart Seats                                      | 5 days   | Sun 8/4/24  | Thu 8/8/24  | 231          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 236                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.6.2          |           | smart mail box                                   | 5 days   | Mon 8/5/24  | Sat 8/10/24 | 232          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 237                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.6.3          |           | smart vending machines                           | 5 days   | Tue 8/6/24  | Sun 8/11/24 | 233          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 238                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.7            |           | transport product to the ware house storage area | 7 days   | Sat 8/10/24 | Sat 8/17/24 |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 239                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.7.1          |           | Smart Seats                                      | 5 days   | Sat 8/10/24 | Wed 8/14/24 | 235          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.7.2          |           | smart mail box                                   | 5 days   | Sun 8/11/24 | Thu 8/15/24 | 236          |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div><div>Project: Project2<br/>Date: Thu 8/18/22</div><div><div><div>Task</div><div>Split</div><div>Milestone</div></div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>Summary</div><div>Manual Summary</div><div>Project Summary</div></div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>Rolled Up Task</div><div>Inactive Task</div><div>Inactive Milestone</div></div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>Inactive Summary</div><div>Manual Task</div><div>Duration-only</div></div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>Start-only</div><div>Finish-only</div><div>External Tasks</div></div><div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>Deadline</div><div>Progress</div></div><div><div><div></div></div><div><div></div></div></div></div></div> |                |           |                                                  |          |             |             |              |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| ID                                     | Outline Number | Task Mode                                                                           | Task Name                                  | Duration                                                                            | Start           | Finish                                                                                | Predecessors       | D                                                                                     | Half 1, 2023     |                                                                                       |                |                                                                                       |          |                                                                                       | Half 2, 2023 |   |   |   | Half 1, 2024 |   |   |   |   |   |   |  |  |
|----------------------------------------|----------------|-------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|--------------|---|---|---|--------------|---|---|---|---|---|---|--|--|
|                                        |                |                                                                                     |                                            |                                                                                     |                 |                                                                                       |                    |                                                                                       | J                | F                                                                                     | M              | A                                                                                     | M        | J                                                                                     | J            | A | S | O | N            | D | J | F | M | A | M |  |  |
| 241                                    | 5.7.3          |    | smart vending machines                     | 5 days                                                                              | Mon 8/12/24     | Sat 8/17/24                                                                           | 237                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 242                                    | 5.8            |    | Product Production                         | 40 days                                                                             | Sun 8/18/24     | Wed 10/2/24                                                                           |                    |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 243                                    | 5.8.1          |    | Production Design Model                    | 5 days                                                                              | Sun 8/18/24     | Thu 8/22/24                                                                           | 241                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 244                                    | 5.8.2          |    | Production of products                     | 5 days                                                                              | Sat 8/24/24     | Wed 8/28/24                                                                           | 243SS+5 days       |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 245                                    | 5.8.3          |    | Testing & Quality assurance Products       | 5 days                                                                              | Thu 8/29/24     | Tue 9/3/24                                                                            | 244SS+5 days       |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 246                                    | 5.8.4          |    | Product approval                           | 5 days                                                                              | Wed 9/4/24      | Mon 9/9/24                                                                            | 245SS+5 days       |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 247                                    | 5.8.5          |    | product Transportation                     | 5 days                                                                              | Tue 9/10/24     | Sun 9/15/24                                                                           | 246SS+5 days       |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 248                                    | 5.8.6          |    | product installation                       | 5 days                                                                              | Mon 9/16/24     | Sat 9/21/24                                                                           | 247SS+5 days       |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 249                                    | 5.8.7          |   | final Testing & Quality assurance Products | 5 days                                                                              | Sun 9/22/24     | Thu 9/26/24                                                                           | 248SS+5 days       |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 250                                    | 5.8.8          |  | final approval                             | 5 days                                                                              | Sat 9/28/24     | Wed 10/2/24                                                                           | 249SS+5 days       |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 251                                    | 5.9            |  | Maintenance every month                    | 13 days                                                                             | Thu 11/7/24     | Thu 11/21/24                                                                          |                    |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 252                                    | 5.9.1          |  | product check list                         | 3 days                                                                              | Thu 11/7/24     | Sun 11/10/24                                                                          | 242FS+30 days      |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 253                                    | 5.9.2          |  | product repair                             | 10 days                                                                             | Mon 11/11/24    | Thu 11/21/24                                                                          | 252                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 254                                    | 5.10           |  | oparate adds and products                  | 1000 days                                                                           | Thu 10/3/24     | Mon 12/13/27                                                                          | 250,212            |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 255                                    | 5.11           |  | oparate adds and products                  | 1030 days                                                                           | Mon 9/9/24      | Thu 12/23/27                                                                          | 212                |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| 256                                    | 6              |  | HR Process up to 5 years                   | 1294 days                                                                           | Mon 11/13/23    | Thu 12/30/27                                                                          |                    |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
|                                        |                |                                                                                     |                                            |                                                                                     |                 |                                                                                       |                    |                                                                                       |                  |                                                                                       |                |                                                                                       |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |
| Project: Project2<br>Date: Thu 8/18/22 |                |                                                                                     | Task                                       |  | Summary         |  | Rolled Up Task     |  | Inactive Summary |  | Start-only     |  | Deadline |  |              |   |   |   |              |   |   |   |   |   |   |  |  |
|                                        |                |                                                                                     | Split                                      |  | Manual Summary  |  | Inactive Task      |  | Manual Task      |  | Finish-only    |  | Progress |  |              |   |   |   |              |   |   |   |   |   |   |  |  |
|                                        |                |                                                                                     | Milestone                                  |  | Project Summary |  | Inactive Milestone |  | Duration-only    |  | External Tasks |  |          |                                                                                       |              |   |   |   |              |   |   |   |   |   |   |  |  |

| ID  | Outline Number | Task Mode | Task Name                            | Duration  | Start        | Finish       | Predecessors |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
|-----|----------------|-----------|--------------------------------------|-----------|--------------|--------------|--------------|---|--------------|---|---|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|
|     |                |           |                                      |           |              |              |              | D | Half 1, 2023 |   |   |   |   |   | Half 2, 2023 |   |   |   | Half 1, 2024 |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
|     |                |           |                                      |           |              |              |              |   | J            | F | M | A | M | J | J            | A | S | O | N            | D | J | F | M | A | M |  |  |  |  |  |  |  |  |  |  |
| 257 | 6.1            |           | Make a training plan and action plan | 1294 days | Mon 11/13/23 | Thu 12/30/27 |              |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 258 | 6.1.1          |           | Weekly training                      | 1294 days | Mon 11/13/23 | Thu 12/30/27 | 90           |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 259 | 6.1.2          |           | monthly training                     | 1294 days | Mon 11/13/23 | Thu 12/30/27 | 258SS        |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 260 | 6.1.3          |           | yearly training                      | 1290 days | Mon 11/13/23 | Sun 12/26/27 | 258SS        |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 261 | 6.2            |           | goals and task completion system     | 1290 days | Mon 11/13/23 | Sun 12/26/27 |              |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 262 | 6.2.1          |           | monthly task completion list         | 1032 days | Sun 7/7/24   | Sat 10/23/27 | 213SS        |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 263 | 6.2.2          |           | yearly goals                         | 1290 days | Mon 11/13/23 | Sun 12/26/27 | 260SS        |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 264 | 6.3            |           | attendance sheets                    | 1294 days | Mon 11/13/23 | Thu 12/30/27 | 90           |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 265 | 6.4            |           | salary sheets                        | 1294 days | Mon 11/13/23 | Thu 12/30/27 | 90           |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 266 | 6.5            |           | employees requests                   | 1294 days | Mon 11/13/23 | Thu 12/30/27 | 90           |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 267 | 7              |           | business devolpment up to 5 years    | 1036 days | Sun 7/7/24   | Wed 10/27/27 |              |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 268 | 7.1            |           | product development                  | 1030 days | Sun 7/7/24   | Wed 10/20/27 |              |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 269 | 7.1.1          |           | speed the production developoment    | 1030 days | Sun 7/7/24   | Wed 10/20/27 | 213SS        |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 270 | 7.1.2          |           | automate developoment                | 1030 days | Sun 7/7/24   | Wed 10/20/27 | 213SS        |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 271 | 7.1.3          |           | add new prducts                      | 1030 days | Sun 7/7/24   | Wed 10/20/27 | 213SS        |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 272 | 7.2            |           | project tasks                        | 1036 days | Sun 7/7/24   | Wed 10/27/27 |              |   |              |   |   |   |   |   |              |   |   |   |              |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |

Project: Project2  
Date: Thu 8/18/22

Task Summary Rolled Up Task◆

Split Manual Summary Inactive Task Manual Task Finish-only

Milestone◆ Project Summary Inactive Milestone◇ Duration-only External Tasks

Deadline↓

Progress

| ID  | Outline Number | Task Mode | Task Name                                | Duration  | Start       | Finish       | Predecessors  |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
|-----|----------------|-----------|------------------------------------------|-----------|-------------|--------------|---------------|---|--------------|---|---|---|---|---|--------------|---|---|---|---|---|--------------|---|---|---|---|--|--|--|--|--|--|--|--|--|--|
|     |                |           |                                          |           |             |              |               | D | Half 1, 2023 |   |   |   |   |   | Half 2, 2023 |   |   |   |   |   | Half 1, 2024 |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
|     |                |           |                                          |           |             |              |               |   | J            | F | M | A | M | J | J            | A | S | O | N | D | J            | F | M | A | M |  |  |  |  |  |  |  |  |  |  |
| 273 | 7.2.1          |           | custmor satisfisfaction                  | 1036 days | Sun 7/7/24  | Wed 10/27/27 | 213SS         |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 274 | 7.2.2          |           | project confirmance                      | 1036 days | Sun 7/7/24  | Wed 10/27/27 | 213SS         |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 275 | 7.2.3          |           | project closing                          | 1036 days | Sun 7/7/24  | Wed 10/27/27 | 213SS         |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 276 | 8              |           | project management process up to 5 years | 1546 days | Tue 1/24/23 | Sat 1/1/28   |               |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 277 | 8.1            |           | project estimation                       | 1172 days | Wed 4/3/24  | Thu 12/30/27 | 188           |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 278 | 8.2            |           | project initiation                       | 1171 days | Wed 4/3/24  | Wed 12/29/27 |               |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 279 | 8.2.1          |           | Project charter                          | 1171 days | Wed 4/3/24  | Wed 12/29/27 | 277SS         |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 280 | 8.2.2          |           | Stakeholder register                     | 1170 days | Wed 4/3/24  | Tue 12/28/27 | 277SS         |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 281 | 8.2.3          |           | define project and statement             | 1171 days | Wed 4/3/24  | Wed 12/29/27 | 277SS         |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 282 | 8.3            |           | project planning                         | 1039 days | Mon 4/15/24 | Mon 8/9/27   |               |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 283 | 8.3.1          |           | project WBS                              | 1000 days | Mon 4/15/24 | Thu 6/24/27  | 281SS+10 days |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 284 | 8.3.2          |           | define packages                          | 1000 days | Sat 4/27/24 | Tue 7/6/27   | 283SS+10 days |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 285 | 8.3.3          |           | define milestones                        | 1000 days | Wed 5/8/24  | Sun 7/18/27  | 284SS+10 days |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 286 | 8.3.4          |           | project schaduling                       | 1000 days | Mon 5/20/24 | Thu 7/29/27  | 285SS+10 days |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 287 | 8.3.5          |           | define critical path                     | 1000 days | Thu 5/30/24 | Mon 8/9/27   | 286SS+9 days  |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 288 | 8.4            |           | Project execution                        | 1000 days | Sun 7/7/24  | Wed 9/15/27  |               |   |              |   |   |   |   |   |              |   |   |   |   |   |              |   |   |   |   |  |  |  |  |  |  |  |  |  |  |

Project: Project2  
Date: Thu 8/18/22

Task Summary Rolled Up Task◆

Split Manual Summary Inactive Task Manual Task Finish-only

Milestone◆ Project Summary Inactive Milestone◇ Duration-only External Tasks

Deadline↓  
Progress





Project: Project2  
Date: Thu 8/18/22

- Task

Split

Milestone
- 
- Summary

Manual Summary

Project Summary
- 
- Rolled Up Task

Inactive Task

Inactive Milestone
- 
- Inactive Summary

Manual Task

Duration-only
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- Start-only

Finish-only

External Tasks
- 
- Deadline

Progress
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Project: Project2  
Date: Thu 8/18/22

Task

Split

Milestone

Summary

Manual Summary

Project Summary

Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

Finish-only

External Tasks

Deadline

Progress



Project: Project2  
Date: Thu 8/18/22

|           |             |                 |             |                    |             |                  |             |                |             |          |             |
|-----------|-------------|-----------------|-------------|--------------------|-------------|------------------|-------------|----------------|-------------|----------|-------------|
| Task      | <div></div> | Summary         | <div></div> | Rolled Up Task     | <div></div> | Inactive Summary | <div></div> | Start-only     | <div></div> | Deadline | <div></div> |
| Split     | <div></div> | Manual Summary  | <div></div> | Inactive Task      | <div></div> | Manual Task      | <div></div> | Finish-only    | <div></div> | Progress | <div></div> |
| Milestone | <div></div> | Project Summary | <div></div> | Inactive Milestone | <div></div> | Duration-only    | <div></div> | External Tasks | <div></div> |          |             |



Project: Project2  
Date: Thu 8/18/22

- Task

Split

Milestone
- 
- Summary

Manual Summary

Project Summary
- 
- Rolled Up Task

Inactive Task

Inactive Milestone
- 
- Inactive Summary

Manual Task

Duration-only
- 
- Start-only

Finish-only

External Tasks
- 
- Deadline

Progress
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Project: Project2

Date: Thu 8/18/22

Task

Split

Milestone

Summary

Manual Summary

Project Summary

Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

Finish-only

External Tasks

Deadline

Progress



Project: Project2  
Date: Thu 8/18/22

- |           |             |                 |             |                    |             |                  |             |                |             |          |             |
|-----------|-------------|-----------------|-------------|--------------------|-------------|------------------|-------------|----------------|-------------|----------|-------------|
| Task      | <div></div> | Summary         | <div></div> | Rolled Up Task     | <div></div> | Inactive Summary | <div></div> | Start-only     | <div></div> | Deadline | <div></div> |
| Split     | <div></div> | Manual Summary  | <div></div> | Inactive Task      | <div></div> | Manual Task      | <div></div> | Finish-only    | <div></div> | Progress | <div></div> |
| Milestone | <div></div> | Project Summary | <div></div> | Inactive Milestone | <div></div> | Duration-only    | <div></div> | External Tasks | <div></div> |          |             |



Project: Project2  
Date: Thu 8/18/22

|           |  |                 |  |                    |  |                  |  |                |  |          |  |
|-----------|--|-----------------|--|--------------------|--|------------------|--|----------------|--|----------|--|
| Task      |  | Summary         |  | Rolled Up Task     |  | Inactive Summary |  | Start-only     |  | Deadline |  |
| Split     |  | Manual Summary  |  | Inactive Task      |  | Manual Task      |  | Finish-only    |  | Progress |  |
| Milestone |  | Project Summary |  | Inactive Milestone |  | Duration-only    |  | External Tasks |  |          |  |



Project: Project2  
Date: Thu 8/18/22

Task

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Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

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External Tasks

Deadline

Progress



Project: Project2  
Date: Thu 8/18/22

Task

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Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

Finish-only

External Tasks

Deadline

Progress



Project: Project2  
Date: Thu 8/18/22

|           |             |                 |             |                    |             |                  |             |                |             |          |             |
|-----------|-------------|-----------------|-------------|--------------------|-------------|------------------|-------------|----------------|-------------|----------|-------------|
| Task      | <div></div> | Summary         | <div></div> | Rolled Up Task     | ◆           | Inactive Summary | <div></div> | Start-only     | [           | Deadline | ↓           |
| Split     | <div></div> | Manual Summary  | <div></div> | Inactive Task      | <div></div> | Manual Task      | <div></div> | Finish-only    | ]           | Progress | <div></div> |
| Milestone | ◆           | Project Summary | <div></div> | Inactive Milestone | ◇           | Duration-only    | <div></div> | External Tasks | <div></div> |          |             |



Project: Project2  
Date: Thu 8/18/22

Task

Split

Milestone

Summary

Manual Summary

Project Summary

Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Start-only

Finish-only

External Tasks

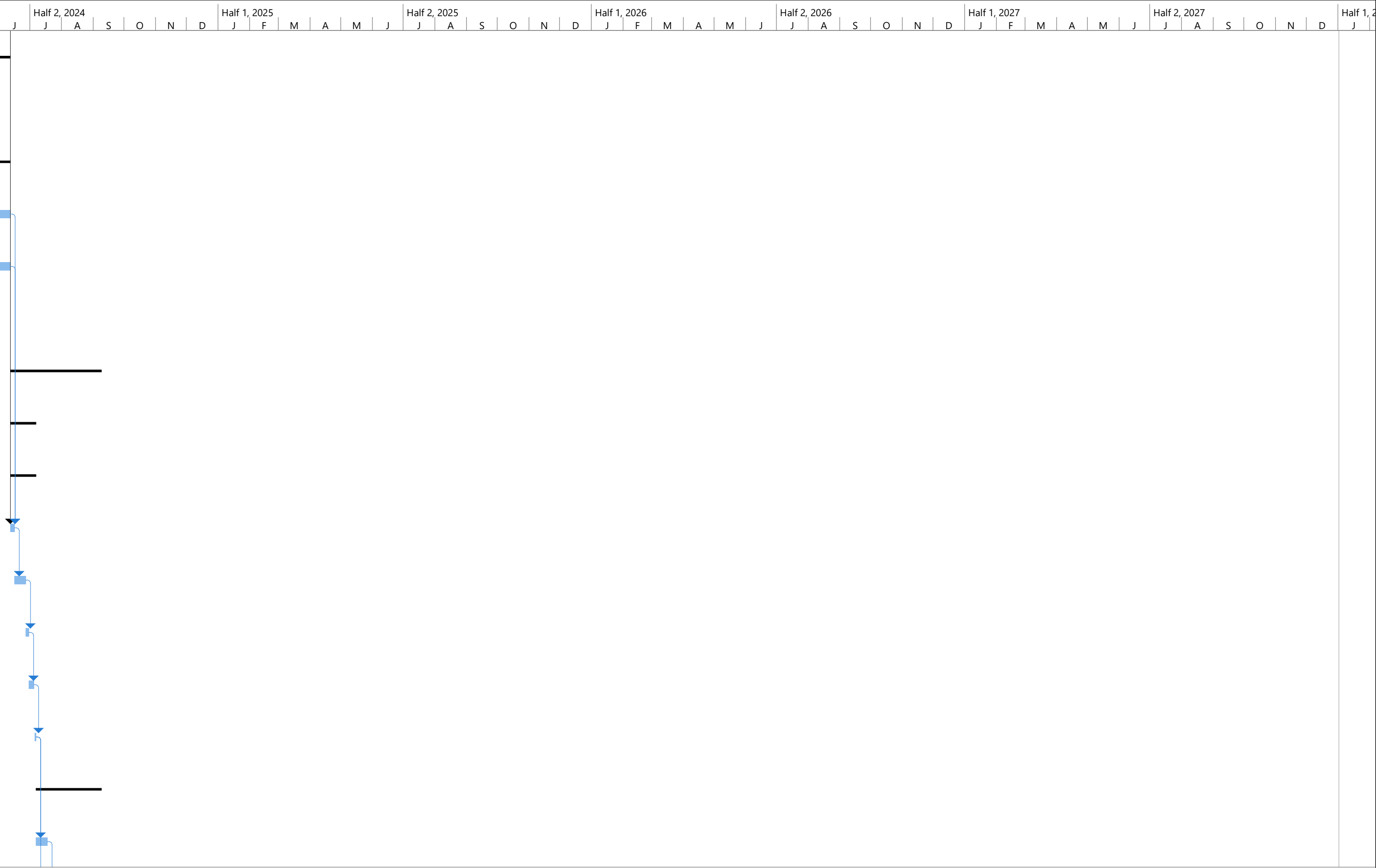
Deadline

Progress



Project: Project2  
Date: Thu 8/18/22

|           |  |                 |  |                    |  |                  |  |                |  |          |  |
|-----------|--|-----------------|--|--------------------|--|------------------|--|----------------|--|----------|--|
| Task      |  | Summary         |  | Rolled Up Task     |  | Inactive Summary |  | Start-only     |  | Deadline |  |
| Split     |  | Manual Summary  |  | Inactive Task      |  | Manual Task      |  | Finish-only    |  | Progress |  |
| Milestone |  | Project Summary |  | Inactive Milestone |  | Duration-only    |  | External Tasks |  |          |  |



Project: Project2  
Date: Thu 8/18/22

Task

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Milestone

Summary

Manual Summary

Project Summary

Rolled Up Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

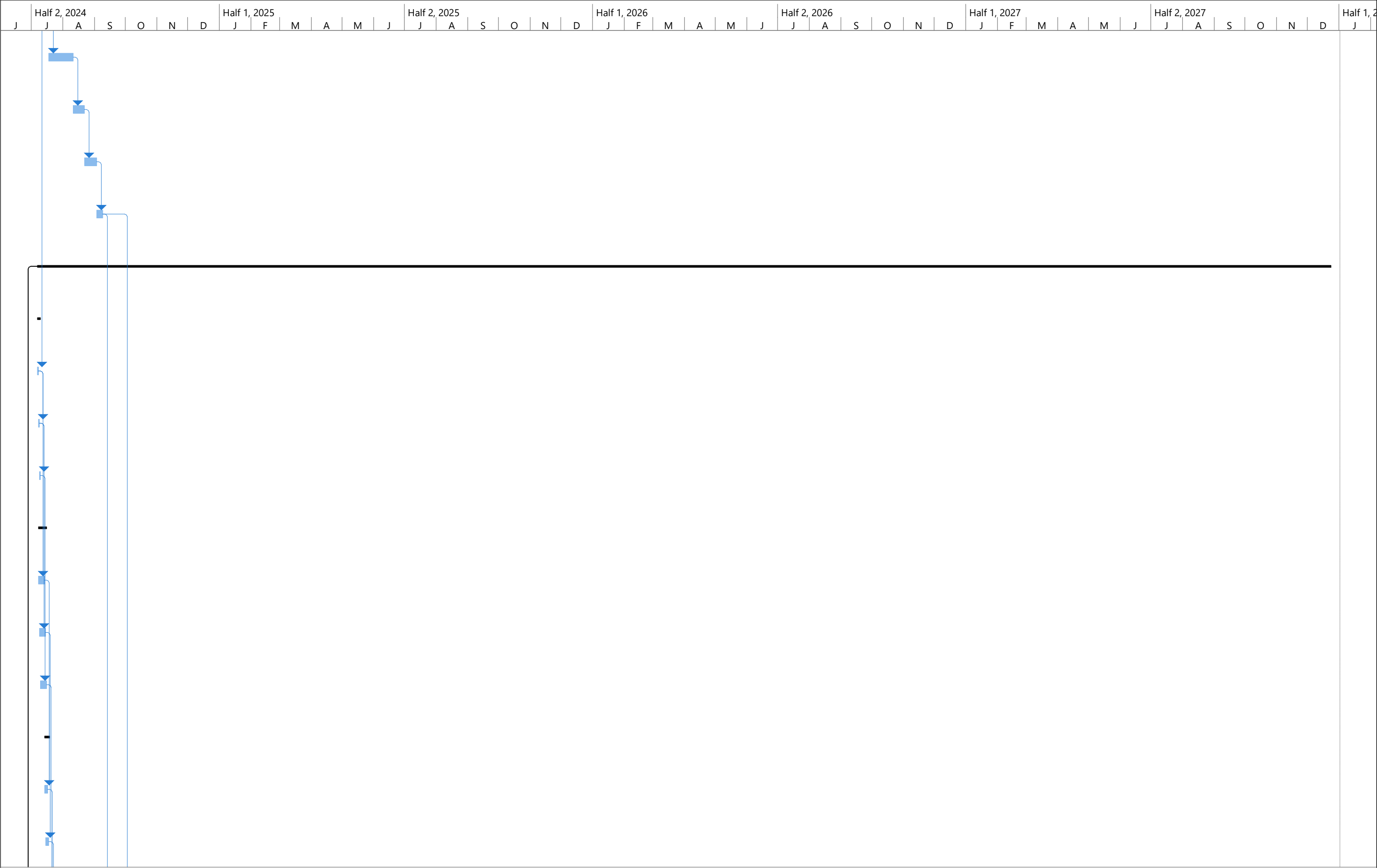
Start-only

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External Tasks

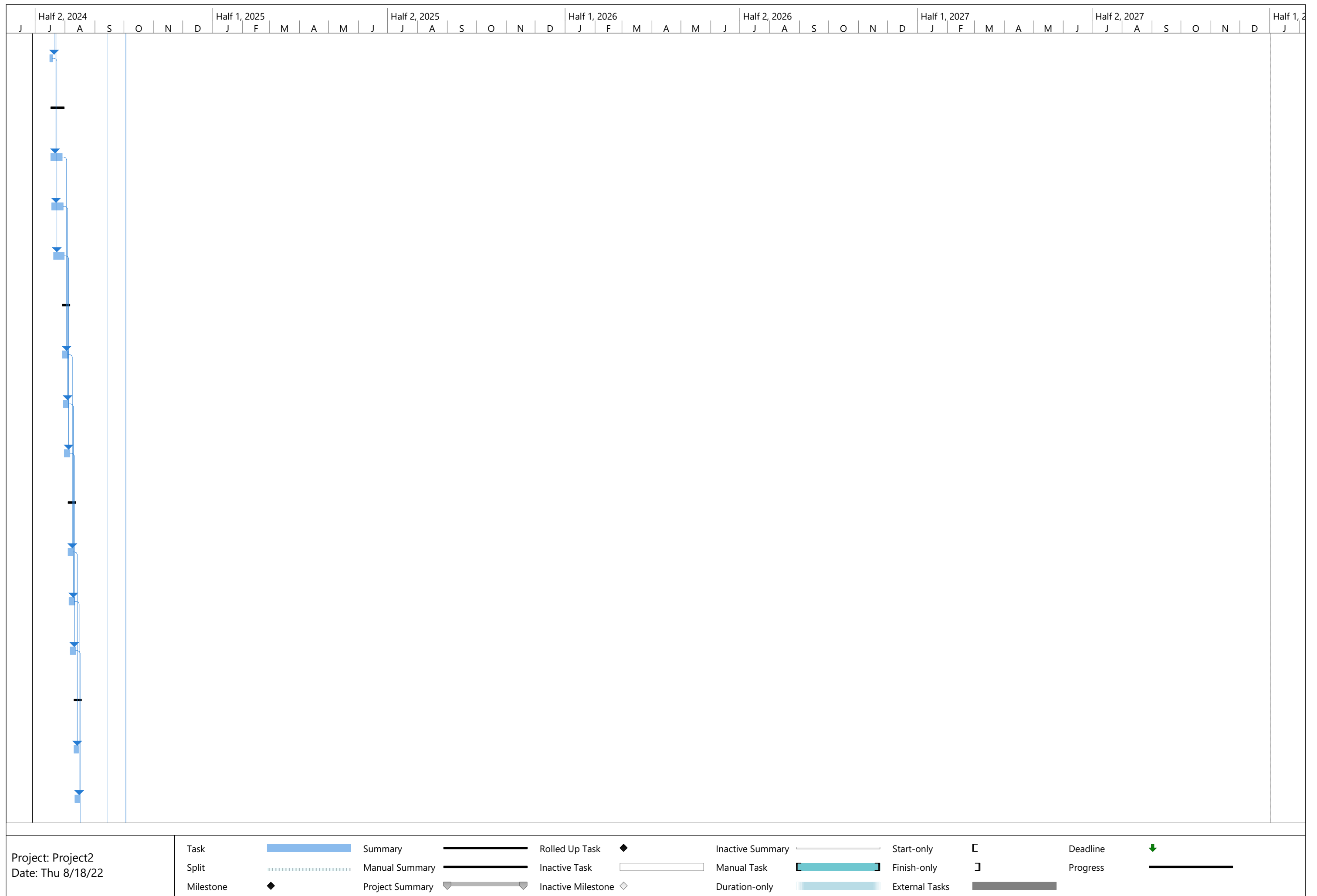
Deadline

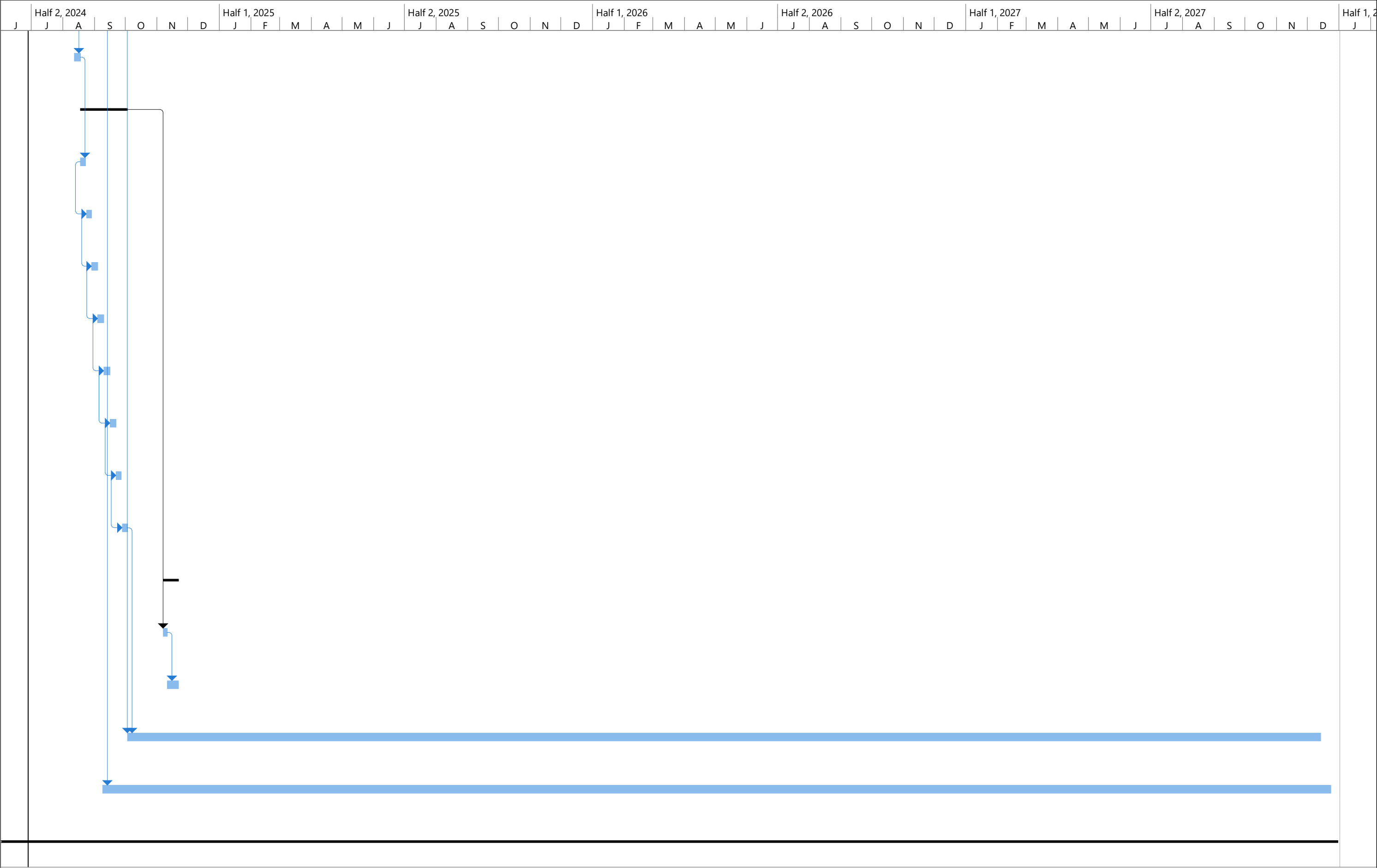
Progress



Project: Project2  
Date: Thu 8/18/22

|           |  |                 |  |                    |  |                  |  |                |  |          |  |
|-----------|--|-----------------|--|--------------------|--|------------------|--|----------------|--|----------|--|
| Task      |  | Summary         |  | Rolled Up Task     |  | Inactive Summary |  | Start-only     |  | Deadline |  |
| Split     |  | Manual Summary  |  | Inactive Task      |  | Manual Task      |  | Finish-only    |  | Progress |  |
| Milestone |  | Project Summary |  | Inactive Milestone |  | Duration-only    |  | External Tasks |  |          |  |

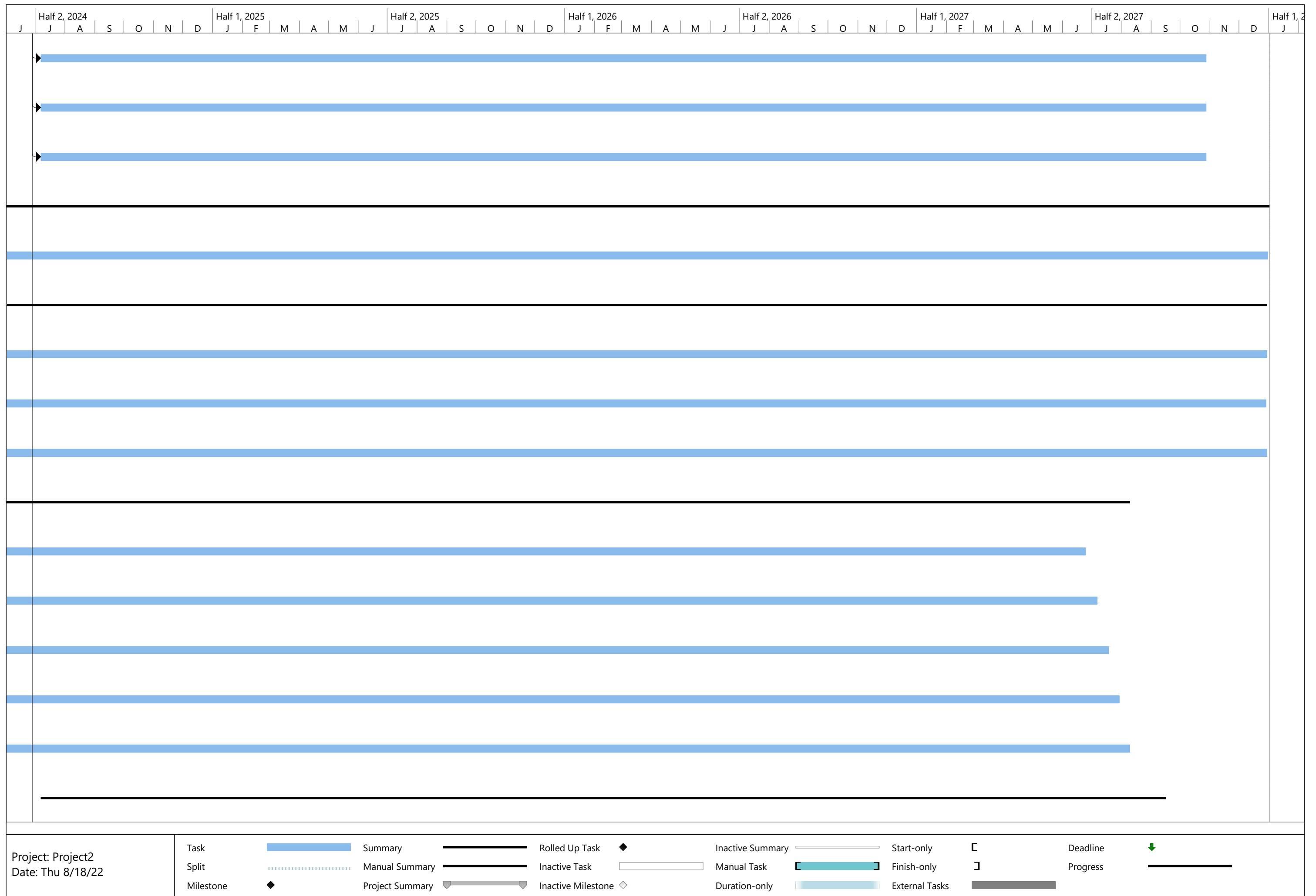


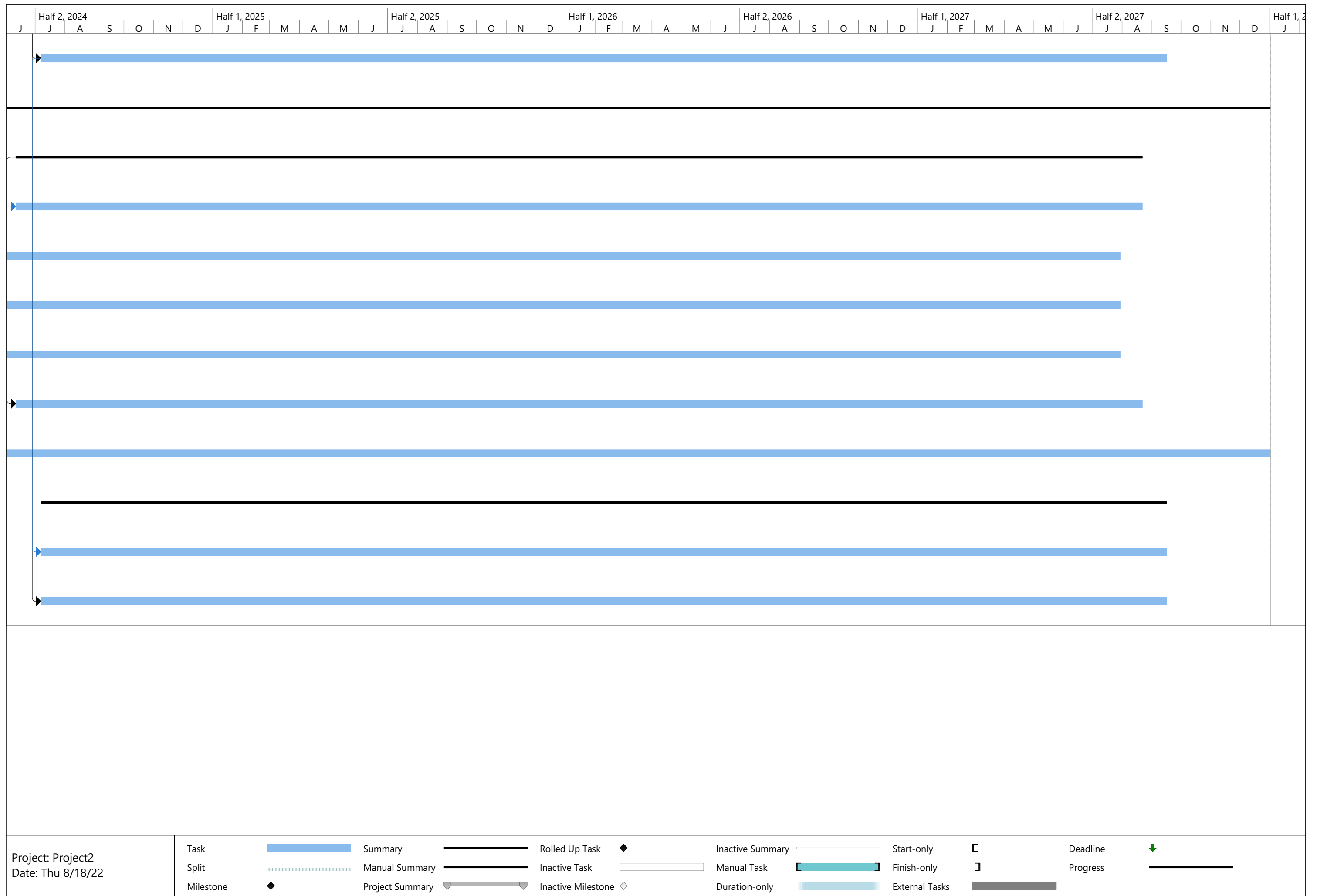


Project: Project2  
Date: Thu 8/18/22

|           |  |                 |  |                    |  |                  |  |                |  |          |  |
|-----------|--|-----------------|--|--------------------|--|------------------|--|----------------|--|----------|--|
| Task      |  | Summary         |  | Rolled Up Task     |  | Inactive Summary |  | Start-only     |  | Deadline |  |
| Split     |  | Manual Summary  |  | Inactive Task      |  | Manual Task      |  | Finish-only    |  | Progress |  |
| Milestone |  | Project Summary |  | Inactive Milestone |  | Duration-only    |  | External Tasks |  |          |  |

[illegible]





(4) Project  
cost 5yrs

| Outline Number | Name                                                                     | Duration | unit cost | number of units | cost per full unit | number of units(1yr) | cost 1st year | number of units(2yr) | cost per full unit | cost 2nd year | number of units(3yr) | cost per full unit | cost 3rd year | number of units(4yr) | cost per full unit | cost 4th year | number of units(5yr) | cost per full unit | cost 5th year | total for 5 yrs |
|----------------|--------------------------------------------------------------------------|----------|-----------|-----------------|--------------------|----------------------|---------------|----------------------|--------------------|---------------|----------------------|--------------------|---------------|----------------------|--------------------|---------------|----------------------|--------------------|---------------|-----------------|
| 0              | SSSC Total cost for 5 years                                              |          | -792,215  | 2,785           | -3,492,324         | 314                  | -3,707,124    | 911                  | -3,492,324         | -24,016,024   | 790                  | -3,492,324         | -15,135,024   | 1,504                | -3,492,324         | -37,395,024   | 2632                 | -3492324           | -69,456,524   | -149,709,720    |
| 1              | Establish Smart Street Solution Company                                  | 271 days | -578,700  | 232             | -1,786,200         | 191                  | -3,394,500    | 187                  | -1,786,200         | -2,773,000    | 187                  | -1,786,200         | -2,773,000    | 187                  | -1,786,200         | -2,773,000    | 187                  | -1786200           | -2,773,000    |                 |
| 1.1            | Stakeholder Kick of Meetings                                             | 20 days  | 0         | 5               | 0                  | 5                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.1.1          | Setup Initial Goals                                                      | 5 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.1.2          | Setup visibility study                                                   | 10 days  | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.1.3          | Agree on start up cost                                                   | 3 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.1.4          | write and sign the agreement and the charter between the stakeholders    | 2 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.1.5          | Project Charter                                                          | 0 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.2            | collect Fund                                                             | 191 days | -5000     | 5               | -5000              | 5                    | -5000         | 0                    | -5000              | 0             | 0                    | -5000              | 0             | 0                    | -5000              | 0             | 0                    | -5000              | 0             | 0               |
| 1.2.1          | Create a Company Bank Account                                            | 1 day    | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.2.2          | collect the first cost from the team investors                           | 10 days  | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.2.3          | collected start up cost                                                  | 0 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.2.4          | SIDF funding the company                                                 | 60 days  | -5000     | 1               | -5000              | 1                    | -5000         | 0                    | -5000              | 0             | 0                    | -5000              | 0             | 0                    | -5000              | 0             | 0                    | -5000              | 0             | 0               |
| 1.2.5          | fund recived by SIDF                                                     | 0 days   |           | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3            | research requirements                                                    | 67 days  | 0         | 40              | 0                  | 32                   | 0             | 5                    | 0                  | 0             | 5                    | 0                  | 0             | 5                    | 0                  | 0             | 5                    | 0                  | 0             | 0               |
| 1.3.1          | Legal requirements                                                       | 7 days   | 0         | 10              | 0                  | 10                   | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.1.1        | Commercial Ministry                                                      | 2 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.1.2        | standard and specifications Authority                                    | 5 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.1.3        | Saudi Engineering council                                                | 5 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.1.4        | Environmental Authority                                                  | 5 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.1.5        | Industrial Authority                                                     | 2 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.1.6        | Municipality of Riyadh                                                   | 2 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.1.7        | MOMRAH                                                                   | 2 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.1.8        | tax and zakat AUTHORITY                                                  | 2 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.1.9        | Human Resources Ministry                                                 | 2 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.1.10       | Salamh ( Safety and security requirement)                                | 2 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.2          | opportunities study in the current market                                | 10 days  | 0         | 5               | 0                  | 5                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.2.1        | Focus group analysis                                                     | 10 days  | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.2.2        | Surveys                                                                  | 10 days  | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.2.3        | Market Reasrch                                                           | 10 days  | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.2.4        | Reasrch Analysis                                                         | 10 days  | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.2.5        | opportunities study                                                      | 0 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3          | Design Research and studies                                              | 60 days  | 0         | 3               | 0                  | 3                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.1        | GIS Study for public usage and density                                   | 14 days  | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.2        | Design the samples of the products research                              | 20 days  | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.3        | Design Research and studies                                              | 0 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.4        | Vendor and manufactures search                                           | 15 days  | 0         | 12              | 0                  | 4                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.4.1      | Smart Seats                                                              | 15 days  | 0         | 3               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.4.2      | smart mail box                                                           | 15 days  | 0         | 3               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.4.3      | smart vending machines                                                   | 15 days  | 0         | 3               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.4.4      | Vendor and manufactures found                                            | 0 days   | 0         | 3               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.5        | Resources requirements                                                   | 5 days   | 0         | 5               | 0                  | 5                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.5.1      | Smart Seats                                                              | 5 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.5.2      | smart mail box                                                           | 5 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.5.3      | smart vending machines                                                   | 5 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.6        | location of warehouse study                                              | 14 days  | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.7        | Resources requirements found                                             | 0 days   | 0         | 1               | 0                  | 1                    | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0                    | 0                  | 0             | 0               |
| 1.3.3.8        | risk study                                                               | 60 days  | 0         | 5               | 0                  | 5                    | 0             | 5                    | 0                  | 0             | 5                    | 0                  | 0             | 5                    | 0                  | 0             | 5                    | 0                  | 0             | 0               |
| 1.3.3.8.1      | Hazard Risk                                                              | 1 day    | 0         | 1               | 0                  | 1                    | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 0               |
| 1.3.3.8.2      | Control Risk                                                             | 5 days   | 0         | 1               | 0                  | 1                    | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 0               |
| 1.3.3.8.3      | Opportunity Risk                                                         | 5 days   | 0         | 1               | 0                  | 1                    | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 0               |
| 1.3.3.8.4      | Compliance Risk                                                          | 5 days   | 0         | 1               | 0                  | 1                    | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 0               |
| 1.3.3.8.5      | risk study                                                               | 0 days   | 0         | 1               | 0                  | 1                    | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 1                    | 0                  | 0             | 0               |
| 1.4            | Finish and Apply for governmental requirements, license or qualification | 67 days  | -112000   | 11              | -111700            | 11                   | -112000       | 1                    | -111700            | -100000       | 1                    | -111700            | -100000       | 1                    | -111700            | -100000       | 1                    | -111700            | -100000       |                 |
| 1.4.1          | standard and specifications Authority                                    | 14 days  | -1500     | 1               | -1500              | 1                    | -1500         | 0                    | -1500              | 0             | 0                    | -1500              | 0             | 0                    | -1500              | 0             | 0                    | -1500              | 0             | 0               |
| 1.4.2          | Saudi Engineering council                                                | 5 days   | -5000     | 1               | -5000              | 1                    | -5000         | 0                    | -5000              | 0             | 0                    | -5000              | 0             | 0                    | -5000              | 0             | 0                    | -5000              | 0             | 0               |
| 1.4.3          | Environmental Authority                                                  | 14 days  | -2000     | 1               | -2000              | 1                    | -2000         | 0                    | -2000              | 0             | 0                    | -2000              | 0             | 0                    | -2000              | 0             | 0                    | -2000              | 0             | 0               |
| 1.4.4          | Industrial Authority                                                     | 14 days  | -3000     | 1               | -3000              | 1                    | -3000         | 0                    | -3000              | 0             | 0                    | -3000              | 0             | 0                    | -3000              | 0             | 0                    | -3000              | 0             | 0               |
| 1.4.5          | Commercial Ministry                                                      | 2 days   | -200      | 1               | -200               | 1                    | -200          | 0                    | -200               | 0             | 0                    | -200               | 0             | 0                    | -200               | 0             | 0                    | -200               | 0             | 0               |
| 1.4.6          | Municipality of Riyadh                                                   | 3 days   | -100300   | 6               | -100000            | 6                    | -100300       | 1                    | -100000            | -100000       | 1                    | -100000            | -100000       | 1                    | -100000            | -100000       | 1                    | -100000            | -100000       |                 |

|             |                                                            |          |         |     |          |     |          |     |          |          |     |          |          |     |          |          |     |          |          |
|-------------|------------------------------------------------------------|----------|---------|-----|----------|-----|----------|-----|----------|----------|-----|----------|----------|-----|----------|----------|-----|----------|----------|
| 1.4.6.1     | choose location and rent it                                | 3 days   | -100000 | 1   | -100000  | 1   | -100000  | 1   | -100000  | -100000  | 1   | -100000  | -100000  | 1   | -100000  | -100000  | 1   | -100000  | -100000  |
| 1.4.7       | MOMRAH                                                     | 5 days   | 0       | 1   | 0        | 1   | 0        | 1   | 0        | 0        | 1   | 0        | 0        | 1   | 0        | 0        | 1   | 0        | 0        |
| 1.4.8       | tax and zakat AUTHORITY                                    | 1 day    | 0       | 1   | 0        | 1   | 0        | 1   | 0        | 0        | 1   | 0        | 0        | 1   | 0        | 0        | 1   | 0        | 0        |
| 1.4.9       | Human Resources Ministry                                   | 2 days   | 0       | 1   | 0        | 1   | 0        | 0   | 0        | 0        | 0   | 0        | 0        | 0   | 0        | 0        | 0   | 0        | 0        |
| 1.4.10      | Salamh ( Safety and security requirement)                  | 14 days  | -300    | 1   | -300     | 1   | -300     | 0   | -300     | 0        | 0   | -300     | 0        | 0   | -300     | 0        | 0   | -300     | 0        |
| 1.4.11      | finished governmental and legal requirements               | 0 days   | 0       | 1   | 0        | 1   | 0        | 0   | 0        | 0        | 0   | 0        | 0        | 0   | 0        | 0        | 0   | 0        | 0        |
| 1.5         | Develop the assemble warehouse                             | 25 days  | -360500 | 119 | -1450500 | 18  | -1450500 | 1   | -1450500 | -45000   | 1   | -1450500 | -45000   | 1   | -1450500 | -45000   | 1   | -1450500 | -45000   |
| 1.5.1       | Offices                                                    | 14 days  | -100000 | 1   | -100000  | 1   | -100000  | 0   | -100000  | 0        | 0   | -100000  | 0        | 0   | -100000  | 0        | 0   | -100000  | 0        |
| 1.5.2       | assemble space                                             | 14 days  | -40000  | 1   | -40000   | 1   | -40000   | 0   | -40000   | 0        | 0   | -40000   | 0        | 0   | -40000   | 0        | 0   | -40000   | 0        |
| 1.5.3       | storage                                                    | 14 days  | -83000  | 5   | -83000   | 5   | -83000   | 0   | -83000   | 0        | 0   | -83000   | 0        | 0   | -83000   | 0        | 0   | -83000   | 0        |
| 1.5.3.1     | unfinished products                                        | 14 days  | -27000  | 1   | -27000   | 1   | -27000   | 0   | -27000   | 0        | 0   | -27000   | 0        | 0   | -27000   | 0        | 0   | -27000   | 0        |
| 1.5.3.2     | finished products                                          | 14 days  | -27000  | 1   | -27000   | 1   | -27000   | 0   | -27000   | 0        | 0   | -27000   | 0        | 0   | -27000   | 0        | 0   | -27000   | 0        |
| 1.5.4       | Clinic                                                     | 14 days  | -10000  | 1   | -10000   | 1   | -10000   | 0   | -10000   | 0        | 0   | -10000   | 0        | 0   | -10000   | 0        | 0   | -10000   | 0        |
| 1.5.5       | meeting rooms                                              | 14 days  | -14000  | 1   | -14000   | 1   | -14000   | 0   | -14000   | 0        | 0   | -14000   | 0        | 0   | -14000   | 0        | 0   | -14000   | 0        |
| 1.5.6       | car parking and floor                                      | 14 days  | -5000   | 1   | -5000    | 1   | -5000    | 0   | -5000    | 0        | 0   | -5000    | 0        | 0   | -5000    | 0        | 0   | -5000    | 0        |
| 1.5.7       | Building requirements                                      | 11 days  | -17500  | 3   | -17500   | 3   | -17500   | 0   | -17500   | 0        | 0   | -17500   | 0        | 0   | -17500   | 0        | 0   | -17500   | 0        |
| 1.5.7.1     | Camera and security setup                                  | 2 days   | -10000  | 1   | -10000   | 1   | -10000   | 0   | -10000   | 0        | 0   | -10000   | 0        | 0   | -10000   | 0        | 0   | -10000   | 0        |
| 1.5.7.2     | Fire fighting and safety check                             | 2 days   | -2500   | 1   | -2500    | 1   | -2500    | 0   | -2500    | 0        | 0   | -2500    | 0        | 0   | -2500    | 0        | 0   | -2500    | 0        |
| 1.5.7.3     | disposal and environmental setup                           | 2 days   | -5000   | 1   | -5000    | 1   | -5000    | 0   | -5000    | 0        | 0   | -5000    | 0        | 0   | -5000    | 0        | 0   | -5000    | 0        |
| 1.5.7.4     | IT system set up                                           | 10 days  | -45000  | 1   | -45000   | 1   | -45000   | 1   | -45000   | -45000   | 1   | -45000   | -45000   | 1   | -45000   | -45000   | 1   | -45000   | -45000   |
| 1.5.7.4.1   | Pay hardware (server, communication devises and computers) | 3 days   | -45000  | 1   | -45000   | 1   | -45000   | 1   | -45000   | -45000   | 1   | -45000   | -45000   | 1   | -45000   | -45000   | 1   | -45000   | -45000   |
| 1.5.7.4.2   | Network Set up                                             | 5 days   | -15000  | 4   | -15000   | 4   | -15000   | 0   | -15000   | 0        | 0   | -15000   | 0        | 0   | -15000   | 0        | 0   | -15000   | 0        |
| 1.5.7.4.2.1 | Server set up                                              | 3 days   | -3000   | 1   | -3000    | 1   | -3000    | 0   | -3000    | 0        | 0   | -3000    | 0        | 0   | -3000    | 0        | 0   | -3000    | 0        |
| 1.5.7.4.2.2 | PMIS set up                                                | 2 days   | -4000   | 1   | -4000    | 1   | -4000    | 0   | -4000    | 0        | 0   | -4000    | 0        | 0   | -4000    | 0        | 0   | -4000    | 0        |
| 1.5.7.4.3   | Internet Set up                                            | 2 days   | -3000   | 1   | -3000    | 1   | -3000    | 0   | -3000    | 0        | 0   | -3000    | 0        | 0   | -3000    | 0        | 0   | -3000    | 0        |
| 1.5.7.4.4   | Emails Set up                                              | 2 days   | -5000   | 1   | -5000    | 1   | -5000    | 0   | -5000    | 0        | 0   | -5000    | 0        | 0   | -5000    | 0        | 0   | -5000    | 0        |
| 1.5.7.5     | Machin and tool requiremets                                | 5 days   | -60000  | 104 | -1150000 | 3   | -1150000 | 0   | -1150000 | 0        | 0   | -1150000 | 0        | 0   | -1150000 | 0        | 0   | -1150000 | 0        |
| 1.5.7.5.1   | required assemble machines                                 | 5 days   | -50000  | 3   | -150000  | 1   | -150000  | 0   | -150000  | 0        | 0   | -150000  | 0        | 0   | -150000  | 0        | 0   | -150000  | 0        |
| 1.5.7.5.2   | required tools                                             | 5 days   | -10000  | 100 | -1000000 | 1   | -1000000 | 0   | -1000000 | 0        | 0   | -1000000 | 0        | 0   | -1000000 | 0        | 0   | -1000000 | 0        |
| 1.5.8       | ready assemble warehouse                                   | 0 days   | 0       | 1   | 0        | 1   | 0        | 0   | 0        | 0        | 0   | 0        | 0        | 0   | 0        | 0        | 0   | 0        | 0        |
| 1.6         | Human resources                                            | 271 days | -101200 | 52  | -219000  | 120 | -1827000 | 180 | -219000  | -2628000 | 180 | -219000  | -2628000 | 180 | -219000  | -2628000 | 180 | -219000  | -2628000 |
| 1.6.1       | Employee Human Resources Leader                            | 30 days  | -10000  | 1   | -10000   | 10  | -100000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  |
| 1.6.2       | Build Human resources team                                 | 30 days  | -5000   | 5   | -25000   | 8   | -200000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  |
| 1.6.3       | Employee IT Leader                                         | 30 days  | -10000  | 1   | -10000   | 10  | -100000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  |
| 1.6.4       | Build IT team                                              | 30 days  | -5000   | 2   | -10000   | 8   | -80000   | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  |
| 1.6.5       | Employee Design Leader                                     | 30 days  | -10000  | 1   | -10000   | 9   | -90000   | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  |
| 1.6.6       | build Design team                                          | 30 days  | -5000   | 5   | -25000   | 8   | -200000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  |
| 1.6.7       | Employee Financial Leader                                  | 30 days  | -10000  | 1   | -10000   | 9   | -90000   | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  |
| 1.6.8       | Build Financial team                                       | 43 days  | -5000   | 5   | -25000   | 8   | -200000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  |
| 1.6.9       | Employee Sales and business development Leader             | 30 days  | -10000  | 1   | -10000   | 9   | -90000   | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  |
| 1.6.10      | Build Sales and business development team                  | 30 days  | -5000   | 5   | -25000   | 8   | -200000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  | 12  | -25000   | -300000  |
| 1.6.11      | Employee quality Leader                                    | 30 days  | -10000  | 1   | -10000   | 8   | -80000   | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  |
| 1.6.12      | Build the quality team                                     | 30 days  | -5000   | 3   | -15000   | 7   | -105000  | 12  | -15000   | -180000  | 12  | -15000   | -180000  | 12  | -15000   | -180000  | 12  | -15000   | -180000  |
| 1.6.13      | Employee production Leader                                 | 30 days  | -10000  | 1   | -10000   | 10  | -100000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  | 12  | -10000   | -120000  |
| 1.6.14      | Build the production team                                  | 60 days  | -1200   | 20  | -24000   | 8   | -192000  | 12  | -24000   | -288000  | 12  | -24000   | -288000  | 12  | -24000   | -288000  | 12  | -24000   | -288000  |
| 1.6.15      | ready team                                                 | 0 days   |         | 0   | 0        | 0   | 0        | 12  | 0        | 0        | 12  | 0        | 0        | 12  | 0        | 0        | 12  | 0        | 0        |
| 2           | Product Life cycle                                         | 245 days | -80100  | 63  | -80100   | 63  | -80100   | 0   | -80100   | 0        | 0   | -80100   | 0        | 0   | -80100   | 0        | 0   | -80100   | 0        |
| 2.1         | product Design                                             | 135 days | -28500  | 15  | -28500   | 15  | -28500   | 0   | -28500   | 0        | 0   | -28500   | 0        | 0   | -28500   | 0        | 0   | -28500   | 0        |
| 2.1.1       | Smart Seats                                                | 45 days  | -9500   | 5   | -9500    | 5   | -9500    | 0   | -9500    | 0        | 0   | -9500    | 0        | 0   | -9500    | 0        | 0   | -9500    | 0        |
| 2.1.1.1     | Conceptual Ideas                                           | 5 days   | -1000   | 1   | -1000    | 1   | -1000    | 0   | -1000    | 0        | 0   | -1000    | 0        | 0   | -1000    | 0        | 0   | -1000    | 0        |
| 2.1.1.2     | Develop Initial Idea                                       | 5 days   | -1500   | 1   | -1500    | 1   | -1500    | 0   | -1500    | 0        | 0   | -1500    | 0        | 0   | -1500    | 0        | 0   | -1500    | 0        |
| 2.1.1.3     | Review Functional and Specifications                       | 25 days  | -4000   | 1   | -4000    | 1   | -4000    | 0   | -4000    | 0        | 0   | -4000    | 0        | 0   | -4000    | 0        | 0   | -4000    | 0        |
| 2.1.1.4     | Final Complete Design                                      | 10 days  | -3000   | 1   | -3000    | 1   | -3000    | 0   | -3000    | 0        | 0   | -3000    | 0        | 0   | -3000    | 0        | 0   | -3000    | 0        |
| 2.1.1.5     | Finished Design                                            | 0 days   |         | 1   | 0        | 1   | 0        | 0   | 0        | 0        | 0   | 0        | 0        | 0   | 0        | 0        | 0   | 0        | 0        |
| 2.1.2       | smart mail box                                             | 45 days  | -9500   | 5   | -9500    | 5   | -9500    | 0   | -9500    | 0        | 0   | -9500    | 0        | 0   | -9500    | 0        | 0   | -9500    | 0        |
| 2.1.2.1     | Conceptual Ideas                                           | 5 days   | -1000   | 1   | -1000    | 1   | -1000    | 0   | -1000    | 0        | 0   | -1000    | 0        | 0   | -1000    | 0        | 0   | -1000    | 0        |
| 2.1.2.2     | Develop Initial Idea                                       | 5 days   | -1500   | 1   | -1500    | 1   | -1500    | 0   | -1500    | 0        | 0   | -1500    | 0        | 0   | -1500    | 0        | 0   | -1500    | 0        |
| 2.1.2.3     | Review Functional and Specifications                       | 25 days  | -4000   | 1   | -4000    | 1   | -4000    | 0   | -4000    | 0        | 0   | -4000    | 0        | 0   | -4000    | 0        | 0   | -4000    | 0        |
| 2.1.2.4     | Final Complete Design                                      | 10 days  | -3000   | 1   | -3000    | 1   | -3000    | 0   | -3000    | 0        | 0   | -3000    | 0        | 0   | -3000    | 0        | 0   | -3000    | 0        |
| 2.1.2.5     | Finished Design                                            | 0 days   |         | 1   | 0        | 1   | 0        | 0   | 0        | 0        | 0   | 0        | 0        | 0   | 0        | 0        | 0   | 0        | 0        |
| 2.1.3       | smart vending machines                                     | 45 days  | -9500   | 5   | -9500    | 5   | -9500    | 0   | -9500    | 0        | 0   | -9500    | 0        | 0   | -9500    | 0        | 0   | -9500    | 0        |
| 2.1.3.1     | Conceptual Ideas                                           | 5 days   | -1000   | 1   | -1000    | 1   | -1000    | 0   | -1000    | 0        | 0   | -1000    | 0        | 0   | -1000    | 0        | 0   | -1000    | 0        |
| 2.1.3.2     | Develop Initial Idea                                       | 5 days   | -1500   | 1   | -1500    | 1   | -1500    | 0   | -1500    | 0        | 0   | -1500    | 0        | 0   | -1500    | 0        | 0   | -1500    | 0        |

|          |                                                        |          |        |    |        |    |        |   |        |   |   |        |   |   |        |   |   |        |   |
|----------|--------------------------------------------------------|----------|--------|----|--------|----|--------|---|--------|---|---|--------|---|---|--------|---|---|--------|---|
| 2.1.3.3  | Review Functional and Specifications                   | 25 days  | -4000  | 1  | -4000  | 1  | -4000  | 0 | -4000  | 0 | 0 | -4000  | 0 | 0 | -4000  | 0 | 0 | -4000  | 0 |
| 2.1.3.4  | Final Complete Design                                  | 10 days  | -3000  | 1  | -3000  | 1  | -3000  | 0 | -3000  | 0 | 0 | -3000  | 0 | 0 | -3000  | 0 | 0 | -3000  | 0 |
| 2.1.3.5  | Finished Design                                        | 0 days   |        | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2      | Product procurement                                    | 230 days | -45600 | 36 | -45600 | 36 | -45600 | 0 | -45600 | 0 | 0 | -45600 | 0 | 0 | -45600 | 0 | 0 | -45600 | 0 |
| 2.2.1    | send request of proposal with specification and design | 100 days | 0      | 3  | 0      | 3  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.1.1  | Smart Seats                                            | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.1.2  | smart mail box                                         | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.1.3  | smart vending machines                                 | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.2    | receive proposals                                      | 100 days | 0      | 3  | 0      | 3  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.2.1  | Smart Seats                                            | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.2.2  | smart mail box                                         | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.2.3  | smart vending machines                                 | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.3    | evaluate proposals                                     | 100 days | -6000  | 3  | -6000  | 3  | -6000  | 0 | -6000  | 0 | 0 | -6000  | 0 | 0 | -6000  | 0 | 0 | -6000  | 0 |
| 2.2.3.1  | Smart Seats                                            | 10 days  | -2000  | 1  | -2000  | 1  | -2000  | 0 | -2000  | 0 | 0 | -2000  | 0 | 0 | -2000  | 0 | 0 | -2000  | 0 |
| 2.2.3.2  | smart mail box                                         | 10 days  | -2000  | 1  | -2000  | 1  | -2000  | 0 | -2000  | 0 | 0 | -2000  | 0 | 0 | -2000  | 0 | 0 | -2000  | 0 |
| 2.2.3.3  | smart vending machines                                 | 10 days  | -2000  | 1  | -2000  | 1  | -2000  | 0 | -2000  | 0 | 0 | -2000  | 0 | 0 | -2000  | 0 | 0 | -2000  | 0 |
| 2.2.4    | choose vendor or manufactures                          | 100 days | -3000  | 3  | -3000  | 3  | -3000  | 0 | -3000  | 0 | 0 | -3000  | 0 | 0 | -3000  | 0 | 0 | -3000  | 0 |
| 2.2.4.1  | Smart Seats                                            | 10 days  | -1000  | 1  | -1000  | 1  | -1000  | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 |
| 2.2.4.2  | smart mail box                                         | 10 days  | -1000  | 1  | -1000  | 1  | -1000  | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 |
| 2.2.4.3  | smart vending machines                                 | 10 days  | -1000  | 1  | -1000  | 1  | -1000  | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 |
| 2.2.5    | contract with vendor or munifatures                    | 90 days  | 0      | 3  | 0      | 3  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.5.1  | Smart Seats                                            | 0 days   | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.5.2  | smart mail box                                         | 0 days   | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.5.3  | smart vending machines                                 | 0 days   | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.6    | contact vendor or manufacture for order request        | 100 days | -3000  | 3  | -3000  | 3  | -3000  | 0 | -3000  | 0 | 0 | -3000  | 0 | 0 | -3000  | 0 | 0 | -3000  | 0 |
| 2.2.6.1  | Smart Seats                                            | 10 days  | -1000  | 1  | -1000  | 1  | -1000  | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 |
| 2.2.6.2  | smart mail box                                         | 10 days  | -1000  | 1  | -1000  | 1  | -1000  | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 |
| 2.2.6.3  | smart vending machines                                 | 10 days  | -1000  | 1  | -1000  | 1  | -1000  | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 |
| 2.2.7    | receive technical quarry                               | 100 days | 0      | 3  | 0      | 3  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.7.1  | Smart Seats                                            | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.7.2  | smart mail box                                         | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.7.3  | smart vending machines                                 | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.8    | answer technical quarry                                | 205 days | 0      | 3  | 0      | 3  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.8.1  | Smart Seats                                            | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.8.2  | smart mail box                                         | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.8.3  | smart vending machines                                 | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.9    | time of vendor and manufacture production time         | 205 days | 0      | 3  | 0      | 3  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.9.1  | Smart Seats                                            | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.9.2  | smart mail box                                         | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.9.3  | smart vending machines                                 | 10 days  | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.2.10   | Deliver product                                        | 205 days | -3000  | 3  | -3000  | 3  | -3000  | 0 | -3000  | 0 | 0 | -3000  | 0 | 0 | -3000  | 0 | 0 | -3000  | 0 |
| 2.2.10.1 | Smart Seats                                            | 10 days  | -1000  | 1  | -1000  | 1  | -1000  | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 |
| 2.2.10.2 | smart mail box                                         | 10 days  | -1000  | 1  | -1000  | 1  | -1000  | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 |
| 2.2.10.3 | smart vending machines                                 | 10 days  | -1000  | 1  | -1000  | 1  | -1000  | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 | 0 | -1000  | 0 |
| 2.2.11   | receive product and invoice approval                   | 195 days | -30000 | 3  | -30000 | 3  | -30000 | 0 | -30000 | 0 | 0 | -30000 | 0 | 0 | -30000 | 0 | 0 | -30000 | 0 |
| 2.2.11.1 | Smart Seats                                            | 0 days   | -9000  | 1  | -9000  | 1  | -9000  | 0 | -9000  | 0 | 0 | -9000  | 0 | 0 | -9000  | 0 | 0 | -9000  | 0 |
| 2.2.11.2 | smart mail box                                         | 0 days   | -12000 | 1  | -12000 | 1  | -12000 | 0 | -12000 | 0 | 0 | -12000 | 0 | 0 | -12000 | 0 | 0 | -12000 | 0 |
| 2.2.11.3 | smart vending machines                                 | 0 days   | -9000  | 1  | -9000  | 1  | -9000  | 0 | -9000  | 0 | 0 | -9000  | 0 | 0 | -9000  | 0 | 0 | -9000  | 0 |
| 2.2.12   | transport product to the ware house storage area       | 200 days | -600   | 3  | -600   | 3  | -600   | 0 | -600   | 0 | 0 | -600   | 0 | 0 | -600   | 0 | 0 | -600   | 0 |
| 2.2.12.1 | Smart Seats                                            | 5 days   | -200   | 1  | -200   | 1  | -200   | 0 | -200   | 0 | 0 | -200   | 0 | 0 | -200   | 0 | 0 | -200   | 0 |
| 2.2.12.2 | smart mail box                                         | 5 days   | -200   | 1  | -200   | 1  | -200   | 0 | -200   | 0 | 0 | -200   | 0 | 0 | -200   | 0 | 0 | -200   | 0 |
| 2.2.12.3 | smart vending machines                                 | 5 days   | -200   | 1  | -200   | 1  | -200   | 0 | -200   | 0 | 0 | -200   | 0 | 0 | -200   | 0 | 0 | -200   | 0 |
| 2.3      | Product Development                                    | 210 days | -6000  | 12 | -6000  | 12 | -6000  | 0 | -6000  | 0 | 0 | -6000  | 0 | 0 | -6000  | 0 | 0 | -6000  | 0 |
| 2.3.1    | Develop Prototypes                                     | 200 days | 0      | 3  | 0      | 3  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.3.1.1  | Smart Seats                                            | 5 days   | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.3.1.2  | smart mail box                                         | 5 days   | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.3.1.3  | smart vending machines                                 | 5 days   | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.3.2    | Test products                                          | 200 days | 0      | 3  | 0      | 3  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.3.2.1  | Smart Seats                                            | 5 days   | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.3.2.2  | smart mail box                                         | 5 days   | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.3.2.3  | smart vending machines                                 | 5 days   | 0      | 1  | 0      | 1  | 0      | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 | 0 | 0      | 0 |
| 2.3.3    | Make adjustments                                       | 200 days | -6000  | 3  | -6000  | 3  | -6000  | 0 | -6000  | 0 | 0 | -6000  | 0 | 0 | -6000  | 0 | 0 | -6000  | 0 |
| 2.3.3.1  | Smart Seats                                            | 5 days   | -2000  | 1  | -2000  | 1  | -2000  | 0 | -2000  | 0 | 0 | -2000  | 0 | 0 | -2000  | 0 | 0 | -2000  | 0 |

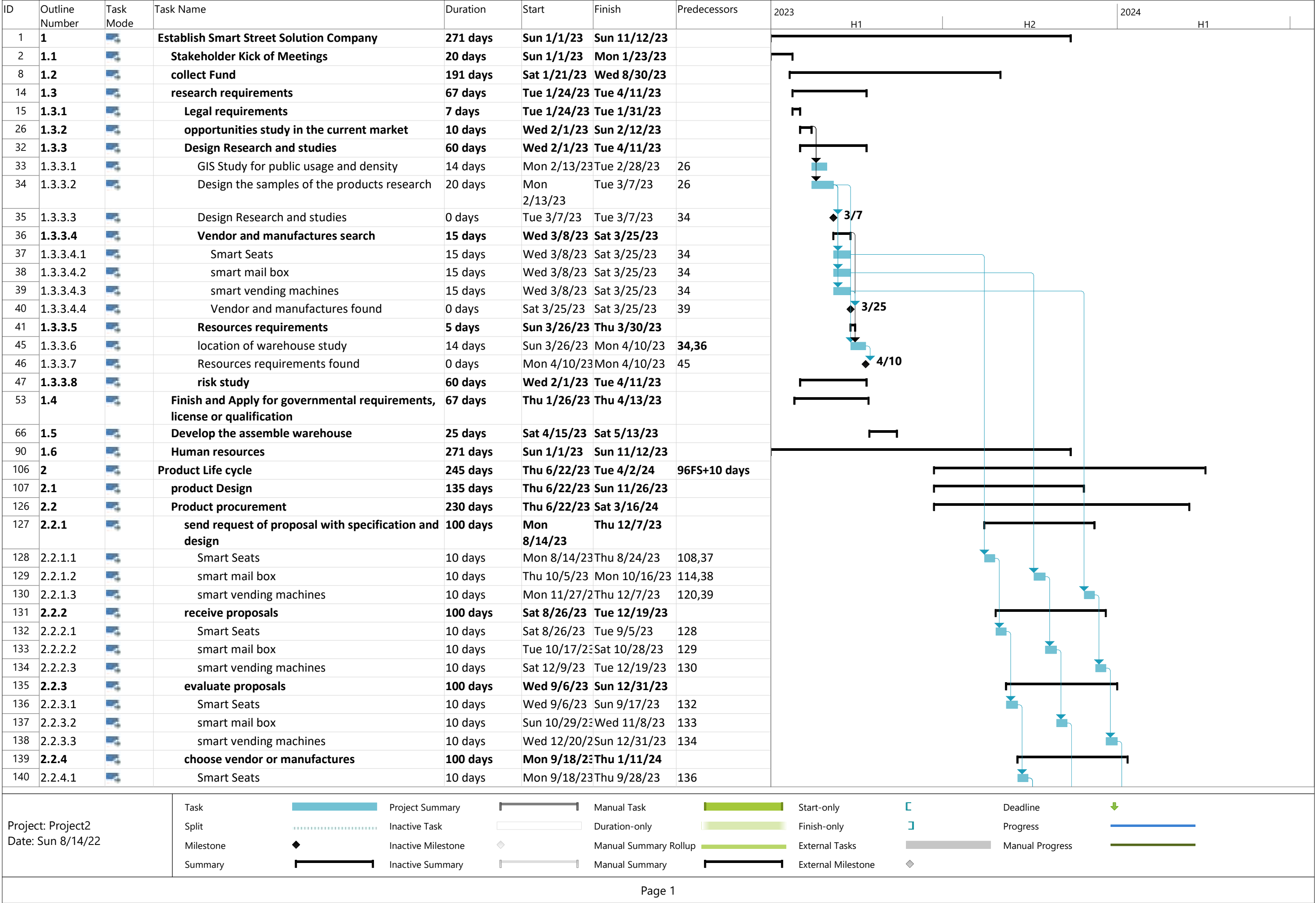
|         |                                                             |           |        |      |          |    |         |     |          |           |     |          |           |      |          |           |      |          |           |
|---------|-------------------------------------------------------------|-----------|--------|------|----------|----|---------|-----|----------|-----------|-----|----------|-----------|------|----------|-----------|------|----------|-----------|
| 2.3.3.2 | smart mail box                                              | 5 days    | -2000  | 1    | -2000    | 1  | -2000   | 0   | -2000    | 0         | 0   | -2000    | 0         | 0    | -2000    | 0         | 0    | -2000    | 0         |
| 2.3.3.3 | smart vending machines                                      | 5 days    | -2000  | 1    | -2000    | 1  | -2000   | 0   | -2000    | 0         | 0   | -2000    | 0         | 0    | -2000    | 0         | 0    | -2000    | 0         |
| 2.3.4   | Obtain Approval                                             | 195 days  | 0      | 3    | 0        | 3  | 0       | 0   | 0        | 0         | 0   | 0        | 0         | 0    | 0        | 0         | 0    | 0        | 0         |
| 2.3.4.1 | Smart Seats                                                 | 0 days    | 0      | 1    | 0        | 1  | 0       | 0   | 0        | 0         | 0   | 0        | 0         | 0    | 0        | 0         | 0    | 0        | 0         |
| 2.3.4.2 | smart mail box                                              | 0 days    | 0      | 1    | 0        | 1  | 0       | 0   | 0        | 0         | 0   | 0        | 0         | 0    | 0        | 0         | 0    | 0        | 0         |
| 2.3.4.3 | smart vending machines                                      | 0 days    | 0      | 1    | 0        | 1  | 0       | 0   | 0        | 0         | 0   | 0        | 0         | 0    | 0        | 0         | 0    | 0        | 0         |
| 3       | Marketing                                                   | 245 days  | -29000 | 4    | -29000   | 4  | -29000  | 4   | -29000   | -29000    | 4   | -29000   | -29000    | 4    | -29000   | -29000    | 4    | -29000   | -29000    |
| 3.1     | Market Strategy                                             | 245 days  | -29000 | 4    | -29000   | 4  | -29000  | 4   | -29000   | -29000    | 4   | -29000   | -29000    | 4    | -29000   | -29000    | 4    | -29000   | -29000    |
| 3.1.1   | Marketing plan                                              | 30 days   | -10000 | 1    | -10000   | 1  | -10000  | 1   | -10000   | -10000    | 1   | -10000   | -10000    | 1    | -10000   | -10000    | 1    | -10000   | -10000    |
| 3.1.2   | Marketing tools                                             | 245 days  | -19000 | 3    | -19000   | 3  | -19000  | 3   | -19000   | -19000    | 3   | -19000   | -19000    | 3    | -19000   | -19000    | 3    | -19000   | -19000    |
| 3.1.2.1 | Brochures                                                   | 30 days   | -4000  | 1    | -4000    | 1  | -4000   | 1   | -4000    | -4000     | 1   | -4000    | -4000     | 1    | -4000    | -4000     | 1    | -4000    | -4000     |
| 3.1.2.2 | Advertising                                                 | 30 days   | -10000 | 1    | -10000   | 1  | -10000  | 1   | -10000   | -10000    | 1   | -10000   | -10000    | 1    | -10000   | -10000    | 1    | -10000   | -10000    |
| 3.1.2.3 | Commercials                                                 | 30 days   | -5000  | 1    | -5000    | 1  | -5000   | 1   | -5000    | -5000     | 1   | -5000    | -5000     | 1    | -5000    | -5000     | 1    | -5000    | -5000     |
| 4       | Sales and contracts                                         | 76 days   | -6715  | 44   | -201025  | 55 | -201025 | 55  | -201025  | -201025   | 55  | -201025  | -201025   | 55   | -201025  | -201025   | 55   | -201025  | -201025   |
| 4.1     | Study the Market                                            | 21 days   | -6715  | 39   | -201025  | 5  | -201025 | 5   | -201025  | -201025   | 5   | -201025  | -201025   | 5    | -201025  | -201025   | 5    | -201025  | -201025   |
| 4.1.1   | Riyadh Municipality, Department of investment (فرص program) | 21 days   | -6715  | 39   | -201025  | 5  | -201025 | 5   | -201025  | -201025   | 5   | -201025  | -201025   | 5    | -201025  | -201025   | 5    | -201025  | -201025   |
| 4.1.1.1 | Visit website and see requirements                          | 3 days    | 0      | 1    | 0        | 1  | 0       | 1   | 0        | 0         | 1   | 0        | 0         | 1    | 0        | 0         | 1    | 0        | 0         |
| 4.1.1.2 | prepare our documentations and presentation                 | 10 days   | -1000  | 1    | -1000    | 1  | -1000   | 1   | -1000    | -1000     | 1   | -1000    | -1000     | 1    | -1000    | -1000     | 1    | -1000    | -1000     |
| 4.1.1.3 | make an appointment with the authorized person              | 2 days    | 0      | 1    | 0        | 1  | 0       | 1   | 0        | 0         | 1   | 0        | 0         | 1    | 0        | 0         | 1    | 0        | 0         |
| 4.1.1.4 | fulfill his/her requirement                                 | 5 days    | 0      | 1    | 0        | 1  | 0       | 1   | 0        | 0         | 1   | 0        | 0         | 1    | 0        | 0         | 1    | 0        | 0         |
| 4.1.1.5 | sign the contract                                           | 1 day     | -5715  | 35   | -200025  | 1  | -200025 | 1   | -200025  | -200025   | 1   | -200025  | -200025   | 1    | -200025  | -200025   | 1    | -200025  | -200025   |
| 4.2     | visit companies to sell our products                        | 55 days   | 0      | 5    | 0        | 50 | 0       | 50  | 0        | 0         | 50  | 0        | 0         | 50   | 0        | 0         | 50   | 0        | 0         |
| 4.2.1   | interduce our products                                      | 10 days   | 0      | 1    | 0        | 10 | 0       | 10  | 0        | 0         | 10  | 0        | 0         | 10   | 0        | 0         | 10   | 0        | 0         |
| 4.2.2   | collect interested calls                                    | 20 days   | 0      | 1    | 0        | 10 | 0       | 10  | 0        | 0         | 10  | 0        | 0         | 10   | 0        | 0         | 10   | 0        | 0         |
| 4.2.3   | finalize the technical requirements                         | 10 days   | 0      | 1    | 0        | 10 | 0       | 10  | 0        | 0         | 10  | 0        | 0         | 10   | 0        | 0         | 10   | 0        | 0         |
| 4.2.4   | finalize the financial requirements                         | 10 days   | 0      | 1    | 0        | 10 | 0       | 10  | 0        | 0         | 10  | 0        | 0         | 10   | 0        | 0         | 10   | 0        | 0         |
| 4.2.5   | sign the contract                                           | 5 days    | 0      | 1    | 0        | 10 | 0       | 10  | 0        | 0         | 10  | 0        | 0         | 10   | 0        | 0         | 10   | 0        | 0         |
| 5       | Operational process up to 5 years                           | 1085 days | -23700 | 2412 | -1293500 | 0  | 0       | 622 | -1293500 | -20910500 | 501 | -1293500 | -12029500 | 1215 | -1293500 | -34289500 | 2343 | -1293500 | -66351000 |
| 5.1     | contact vendor or manufacture for order request             | 3 days    | 0      | 200  | 0        | 0  | 0       | 35  | 0        | 0         | 22  | 0        | 0         | 58   | 0        | 0         | 111  | 0        | 0         |
| 5.1.1   | Smart Seats                                                 | 1 day     | 0      | 100  | 0        | 0  | 0       | 27  | 0        | 0         | 11  | 0        | 0         | 44   | 0        | 0         | 88   | 0        | 0         |
| 5.1.2   | smart mail box                                              | 1 day     | 0      | 30   | 0        | 0  | 0       | 2   | 0        | 0         | 3   | 0        | 0         | 4    | 0        | 0         | 7    | 0        | 0         |
| 5.1.3   | smart vending machines                                      | 1 day     | 0      | 70   | 0        | 0  | 0       | 6   | 0        | 0         | 8   | 0        | 0         | 10   | 0        | 0         | 16   | 0        | 0         |
| 5.2     | receive technical quarry                                    | 7 days    | 0      | 3    | 0        | 0  | 0       | 35  | 0        | 0         | 22  | 0        | 0         | 58   | 0        | 0         | 111  | 0        | 0         |
| 5.2.1   | Smart Seats                                                 | 5 days    | 0      | 1    | 0        | 0  | 0       | 27  | 0        | 0         | 11  | 0        | 0         | 44   | 0        | 0         | 88   | 0        | 0         |
| 5.2.2   | smart mail box                                              | 5 days    | 0      | 1    | 0        | 0  | 0       | 2   | 0        | 0         | 3   | 0        | 0         | 4    | 0        | 0         | 7    | 0        | 0         |
| 5.2.3   | smart vending machines                                      | 5 days    | 0      | 1    | 0        | 0  | 0       | 6   | 0        | 0         | 8   | 0        | 0         | 10   | 0        | 0         | 16   | 0        | 0         |
| 5.3     | answer technical quarry                                     | 5 days    | 0      | 3    | 0        | 0  | 0       | 27  | 0        | 0         | 22  | 0        | 0         | 58   | 0        | 0         | 111  | 0        | 0         |
| 5.3.1   | Smart Seats                                                 | 3 days    | 0      | 1    | 0        | 0  | 0       | 2   | 0        | 0         | 11  | 0        | 0         | 44   | 0        | 0         | 88   | 0        | 0         |
| 5.3.2   | smart mail box                                              | 3 days    | 0      | 1    | 0        | 0  | 0       | 6   | 0        | 0         | 3   | 0        | 0         | 4    | 0        | 0         | 7    | 0        | 0         |
| 5.3.3   | smart vending machines                                      | 3 days    | 0      | 1    | 0        | 0  | 0       | 2   | 0        | 0         | 8   | 0        | 0         | 10   | 0        | 0         | 16   | 0        | 0         |
| 5.4     | time of vendor and manufacture production time              | 12 days   | 0      | 3    | 0        | 0  | 0       | 35  | 0        | 0         | 22  | 0        | 0         | 58   | 0        | 0         | 111  | 0        | 0         |
| 5.4.1   | Smart Seats                                                 | 10 days   | 0      | 1    | 0        | 0  | 0       | 27  | 0        | 0         | 11  | 0        | 0         | 44   | 0        | 0         | 88   | 0        | 0         |
| 5.4.2   | smart mail box                                              | 10 days   | 0      | 1    | 0        | 0  | 0       | 2   | 0        | 0         | 3   | 0        | 0         | 4    | 0        | 0         | 7    | 0        | 0         |
| 5.4.3   | smart vending machines                                      | 10 days   | 0      | 1    | 0        | 0  | 0       | 6   | 0        | 0         | 8   | 0        | 0         | 10   | 0        | 0         | 16   | 0        | 0         |
| 5.5     | Deliver product                                             | 7 days    | -1500  | 200  | -100000  | 0  | 0       | 35  | -100000  | -1590000  | 22  | -100000  | -875000   | 58   | -100000  | -2610000  | 111  | -100000  | -5065000  |
| 5.5.1   | Smart Seats                                                 | 5 days    | -500   | 100  | -50000   | 0  | 0       | 27  | -50000   | -1350000  | 11  | -50000   | -550000   | 44   | -50000   | -2200000  | 88   | -50000   | -4400000  |
| 5.5.2   | smart mail box                                              | 5 days    | -500   | 30   | -15000   | 0  | 0       | 2   | -15000   | -30000    | 3   | -15000   | -45000    | 4    | -15000   | -60000    | 7    | -15000   | -105000   |
| 5.5.3   | smart vending machines                                      | 5 days    | -500   | 70   | -35000   | 0  | 0       | 6   | -35000   | -210000   | 8   | -35000   | -280000   | 10   | -35000   | -350000   | 16   | -35000   | -560000   |
| 5.6     | receive product                                             | 7 days    | -18000 | 200  | -1090000 | 0  | 0       | 35  | -1090000 | -16080000 | 22  | -1090000 | -9020000  | 58   | -1090000 | -26460000 | 111  | -1090000 | -51280000 |
| 5.6.1   | Smart Seats                                                 | 5 days    | -5000  | 100  | -500000  | 0  | 0       | 27  | -500000  | -13500000 | 11  | -500000  | -5500000  | 44   | -500000  | -22000000 | 88   | -500000  | -44000000 |
| 5.6.2   | smart mail box                                              | 5 days    | -8000  | 30   | -240000  | 0  | 0       | 2   | -240000  | -480000   | 3   | -240000  | -720000   | 4    | -240000  | -960000   | 7    | -240000  | -1680000  |
| 5.6.3   | smart vending machines                                      | 5 days    | -5000  | 70   | -350000  | 0  | 0       | 6   | -350000  | -2100000  | 8   | -350000  | -2800000  | 10   | -350000  | -3500000  | 16   | -350000  | -5600000  |
| 5.7     | transport product to the ware house storage area            | 7 days    | -300   | 200  | -20000   | 0  | 0       | 35  | -20000   | -318000   | 22  | -20000   | -175000   | 58   | -20000   | -522000   | 111  | -20000   | -1013000  |
| 5.7.1   | Smart Seats                                                 | 5 days    | -100   | 100  | -10000   | 0  | 0       | 27  | -10000   | -270000   | 11  | -10000   | -110000   | 44   | -10000   | -440000   | 88   | -10000   | -880000   |
| 5.7.2   | smart mail box                                              | 5 days    | -100   | 30   | -3000    | 0  | 0       | 2   | -3000    | -6000     | 3   | -3000    | -9000     | 4    | -3000    | -12000    | 7    | -3000    | -21000    |
| 5.7.3   | smart vending machines                                      | 5 days    | -100   | 70   | -7000    | 0  | 0       | 6   | -7000    | -42000    | 8   | -7000    | -56000    | 10   | -7000    | -70000    | 16   | -7000    | -112000   |
| 5.8     | Product Production                                          | 40 days   | -400   | 1600 | -80000   | 0  | 0       | 280 | -80000   | -2800000  | 176 | -80000   | -1760000  | 464  | -80000   | -4640000  | 888  | -80000   | -8880000  |
| 5.8.1   | Production Design Model                                     | 5 days    | 0      | 200  | 0        | 0  | 0       | 35  | 0        | 0         | 22  | 0        | 0         | 58   | 0        | 0         | 111  | 0        | 0         |
| 5.8.2   | Production of products                                      | 5 days    | 0      | 200  | 0        | 0  | 0       | 35  | 0        | 0         | 22  | 0        | 0         | 58   | 0        | 0         | 111  | 0        | 0         |
| 5.8.3   | Testing & Quality assurance Products                        | 5 days    | 0      | 200  | 0        | 0  | 0       | 35  | 0        | 0         | 22  | 0        | 0         | 58   | 0        | 0         | 111  | 0        | 0         |
| 5.8.4   | Product approval                                            | 5 days    | 0      | 200  | 0        | 0  | 0       | 35  | 0        | 0         | 22  | 0        | 0         | 58   | 0        | 0         | 111  | 0        | 0         |

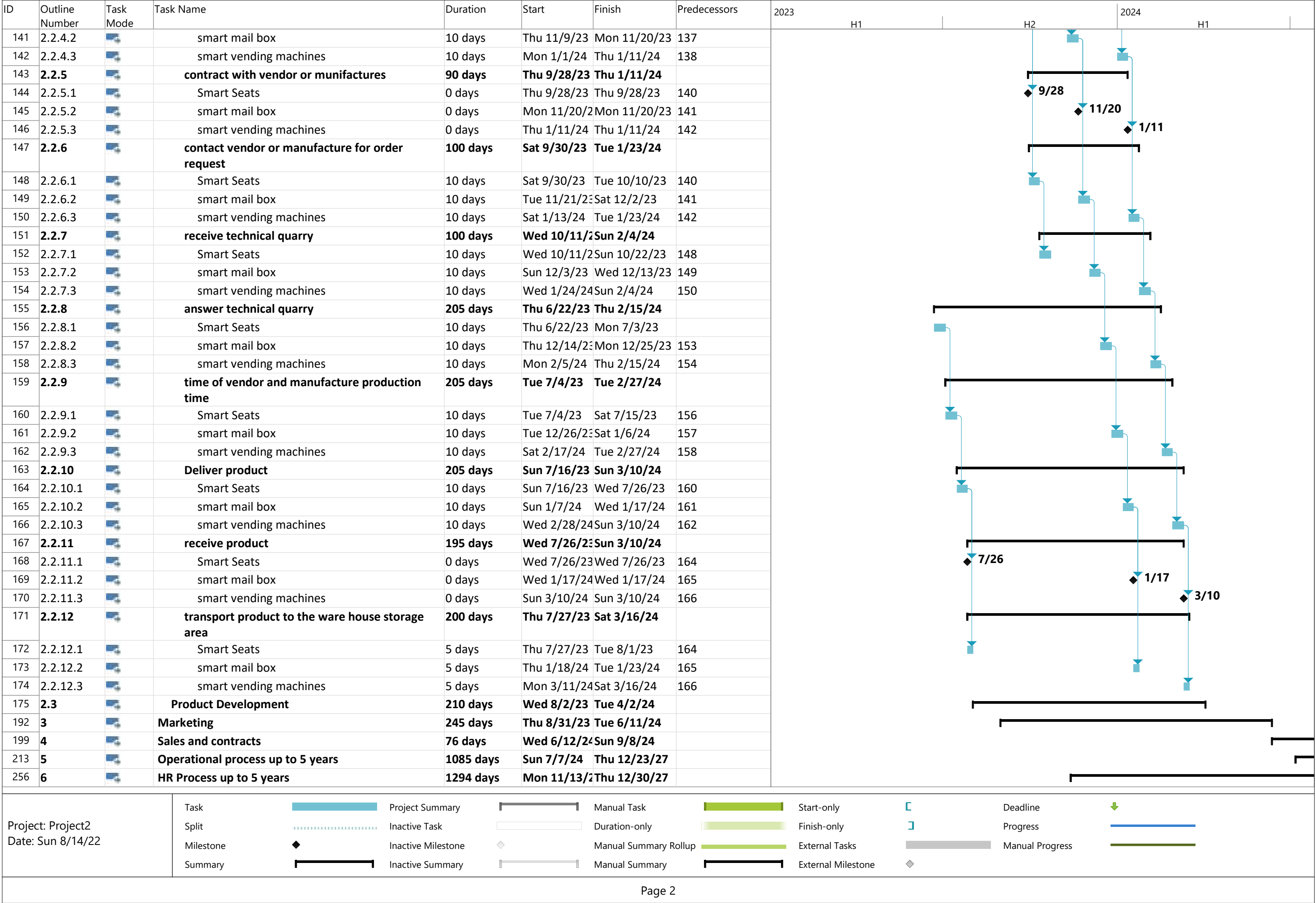
|         |                                            |           |        |     |        |   |       |    |        |          |     |        |         |     |        |          |     |        |          |
|---------|--------------------------------------------|-----------|--------|-----|--------|---|-------|----|--------|----------|-----|--------|---------|-----|--------|----------|-----|--------|----------|
| 5.8.5   | product Transportation                     | 5 days    | -200   | 200 | -40000 | 0 | 0     | 35 | -40000 | -1400000 | 22  | -40000 | -880000 | 58  | -40000 | -2320000 | 111 | -40000 | -4440000 |
| 5.8.6   | product installation                       | 5 days    | -200   | 200 | -40000 | 0 | 0     | 35 | -40000 | -1400000 | 22  | -40000 | -880000 | 58  | -40000 | -2320000 | 111 | -40000 | -4440000 |
| 5.8.7   | final Testing & Quality assurance Products | 5 days    | 0      | 200 | 0      | 0 | 0     | 35 | 0      | 0        | 22  | 0      | 0       | 58  | 0      | 0        | 111 | 0      | 0        |
| 5.8.8   | final approval                             | 5 days    | 0      | 200 | 0      | 0 | 0     | 35 | 0      | 0        | 22  | 0      | 0       | 58  | 0      | 0        | 111 | 0      | 0        |
| 5.9     | Maintenance every month                    | 13 days   | -500   | 2   | -500   | 0 | 0     | 70 | -500   | -17500   | 114 | -500   | -28500  | 230 | -500   | -57500   | 452 | -500   | -113000  |
| 5.9.1   | product check list                         | 3 days    | 0      | 1   | 0      | 0 | 0     | 35 | 0      | 0        | 57  | 0      | 0       | 115 | 0      | 0        | 226 | 0      | 0        |
| 5.9.2   | product repair                             | 10 days   | -500   | 1   | -500   | 0 | 0     | 35 | -500   | -17500   | 57  | -500   | -28500  | 115 | -500   | -57500   | 226 | -500   | -113000  |
| 5.10    | operate adds and products                  | 1000 days | -3000  | 1   | -3000  | 0 | 0     | 35 | -3000  | -105000  | 57  | -3000  | -171000 | 115 | -3000  | 0        | 226 | -3000  | 0        |
| 6       | HR Process up to 5 years                   | 1294 days | -65000 | 8   | -52500 | 0 | -2500 | 19 | -52500 | -52500   | 19  | -52500 | -52500  | 19  | -52500 | -52500   | 19  | -52500 | -52500   |
| 6.1     | Make a training plan and action plan       | 1294 days | -65000 | 3   | -52500 | 0 | -2500 | 14 | -52500 | -52500   | 14  | -52500 | -52500  | 14  | -52500 | -52500   | 14  | -52500 | -52500   |
| 6.1.1   | Weekly training                            | 1294 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 6.1.2   | monthly training                           | 1294 days | -15000 | 1   | -2500  | 0 | -2500 | 12 | -2500  | -2500    | 12  | -2500  | -2500   | 12  | -2500  | -2500    | 12  | -2500  | -2500    |
| 6.1.3   | yearly training                            | 1290 days | -50000 | 1   | -50000 | 0 | 0     | 1  | -50000 | -50000   | 1   | -50000 | -50000  | 1   | -50000 | -50000   | 1   | -50000 | -50000   |
| 6.2     | goals and task completion system           | 1290 days | 0      | 2   | 0      | 0 | 0     | 2  | 0      | 0        | 2   | 0      | 0       | 2   | 0      | 0        | 2   | 0      | 0        |
| 6.2.1   | monthly task completion list               | 1032 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 6.2.2   | yearly goals                               | 1290 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 6.3     | attendance sheets                          | 1294 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 6.4     | salary sheets                              | 1294 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 6.5     | employees requests                         | 1294 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 7       | business devolpment up to 5 years          | 1036 days | -9000  | 15  | -45000 | 0 | 0     | 6  | -45000 | -45000   | 6   | -45000 | -45000  | 6   | -45000 | -45000   | 6   | -45000 | -45000   |
| 7.1     | product development                        | 1030 days | -9000  | 15  | -45000 | 0 | 0     | 3  | -45000 | -45000   | 3   | -45000 | -45000  | 3   | -45000 | -45000   | 3   | -45000 | -45000   |
| 7.1.1   | speed the production devolpment            | 1030 days | -2000  | 5   | -10000 | 0 | 0     | 1  | -10000 | -10000   | 1   | -10000 | -10000  | 1   | -10000 | -10000   | 1   | -10000 | -10000   |
| 7.1.2   | automate devolpment                        | 1030 days | -2000  | 5   | -10000 | 0 | 0     | 1  | -10000 | -10000   | 1   | -10000 | -10000  | 1   | -10000 | -10000   | 1   | -10000 | -10000   |
| 7.1.3   | add new prducts                            | 1030 days | -5000  | 5   | -25000 | 0 | 0     | 1  | -25000 | -25000   | 1   | -25000 | -25000  | 1   | -25000 | -25000   | 1   | -25000 | -25000   |
| 7.2     | project tasks                              | 1036 days | 0      | 0   | 0      | 0 | 0     | 3  | 0      | 0        | 3   | 0      | 0       | 3   | 0      | 0        | 3   | 0      | 0        |
| 7.2.1   | custmor satisifaction                      | 1036 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 7.2.2   | project confirmance                        | 1036 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 7.2.3   | project closing                            | 1036 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8       | project management process up to 5 years   | 1546 days | 0      | 7   | -4999  | 1 | 1     | 18 | -4999  | -4999    | 18  | -4999  | -4999   | 18  | -4999  | -4999    | 18  | -4999  | -4999    |
| 8.1     | project estimation                         | 1172 days | 0      | 1   | 1      | 1 | 1     | 1  | 1      | 1        | 1   | 1      | 1       | 1   | 1      | 1        | 1   | 1      | 1        |
| 8.2     | project initiation                         | 1171 days | 0      | 0   | 0      | 0 | 0     | 3  | 0      | 0        | 3   | 0      | 0       | 3   | 0      | 0        | 3   | 0      | 0        |
| 8.2.1   | Project charter                            | 1171 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.2.2   | Stakeholder register                       | 1170 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.2.3   | define project and statement               | 1171 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.3     | project planning                           | 1039 days | 0      | 0   | 0      | 0 | 0     | 5  | 0      | 0        | 5   | 0      | 0       | 5   | 0      | 0        | 5   | 0      | 0        |
| 8.3.1   | project WBS                                | 1000 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.3.2   | define packages                            | 1000 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.3.3   | define milestones                          | 1000 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.3.4   | project schaduling                         | 1000 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.3.5   | define critical path                       | 1000 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.4     | Project execution                          | 1000 days | 0      | 0   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.4.1   | include the operation system in section 5  | 1000 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.5     | project monitoring and control             | 1546 days | 0      | 6   | -5000  | 0 | 0     | 6  | -5000  | -5000    | 6   | -5000  | -5000   | 6   | -5000  | -5000    | 6   | -5000  | -5000    |
| 8.5.1   | create monitoring system                   | 1000 days | -5000  | 6   | -5000  | 0 | 0     | 6  | -5000  | -5000    | 6   | -5000  | -5000   | 6   | -5000  | -5000    | 6   | -5000  | -5000    |
| 8.5.1.1 | create dashpords                           | 1000 days | -5000  | 1   | -5000  | 0 | 0     | 1  | -5000  | -5000    | 1   | -5000  | -5000   | 1   | -5000  | -5000    | 1   | -5000  | -5000    |
| 8.5.2   | change order log                           | 1000 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.5.3   | opportonity log                            | 1000 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.5.4   | threat log                                 | 1000 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.5.5   | operation monitoring system                | 1000 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.5.6   | reporting                                  | 1546 days | 0      | 1   | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.6     | clsioing                                   | 1000 days | 0      | 0   | 0      | 0 | 0     | 2  | 0      | 0        | 2   | 0      | 0       | 2   | 0      | 0        | 2   | 0      | 0        |
| 8.6.1   | lesson learnt log                          | 1000 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
| 8.6.2   | section 7.2                                | 1000 days | 0      |     | 0      | 0 | 0     | 1  | 0      | 0        | 1   | 0      | 0       | 1   | 0      | 0        | 1   | 0      | 0        |
|         |                                            |           |        |     |        |   |       |    |        |          |     |        |         |     |        |          |     |        |          |
|         |                                            |           |        |     |        |   |       |    |        |          |     |        |         |     |        |          |     |        |          |
|         |                                            |           |        |     |        |   |       |    |        |          |     |        |         |     |        |          |     |        |          |

(5) Sales Est.

| second year Sales    | Number of Units |              |              | Cost Per Unit |               |               | Sales Per Month |                 |                 | Sales Per Year |                |                | total       |  |
|----------------------|-----------------|--------------|--------------|---------------|---------------|---------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--|
|                      | Unit Seat       | Unit Vinding | Unit Mailbox | Seat(SR/u)    | Vinding(SR/u) | Mailbox(SR/u) | Seat(SR/mon)    | Vinding(SR/mon) | Mailbox(SR/mon) | Seat(SR/yr)    | Vinding(SR/yr) | Mailbox(SR/yr) |             |  |
| KSU                  | 20              | 4            | 1            | 20,000        | 18,000        | 19,000        | 400,000         | 72,000          | 19,000          | 4,800,000      | 864,000        | 228,000        |             |  |
| KAP                  | 7               | 2            | 1            | 20,000        | 18,000        | 19,000        | 140,000         | 36,000          | 19,000          | 1,680,000      | 432,000        | 228,000        |             |  |
| total                |                 |              |              |               |               |               | 540,000         | 108,000         | 38,000          | 6,480,000      | 1,296,000      | 456,000        | 8,232,000   |  |
| Tax                  |                 |              |              |               |               |               |                 |                 |                 |                |                |                | 1,234,800   |  |
| total with tax       |                 |              |              |               |               |               |                 |                 |                 |                |                |                | 9,466,800   |  |
| third year Sales     | Number of Units |              |              | Cost Per Unit |               |               | Sales Per Month |                 |                 | Sales Per Year |                |                | total       |  |
|                      | Unit Seat       | Unit Vinding | Unit Mailbox | Seat(SR/u)    | Vinding(SR/u) | Mailbox(SR/u) | Seat(SR/mon)    | Vinding(SR/mon) | Mailbox(SR/mon) | Seat(SR/yr)    | Vinding(SR/yr) | Mailbox(SR/yr) |             |  |
| KSU                  | 20              | 8            | 2            | 25,000        | 22,000        | 21,000        | 500,000         | 176,000         | 42,000          | 6,000,000      | 2,112,000      | 504,000        |             |  |
| KAP                  | 7               | 4            | 2            | 25,000        | 22,000        | 21,000        | 175,000         | 88,000          | 42,000          | 2,100,000      | 1,056,000      | 504,000        |             |  |
| KAFD                 | 11              | 2            | 1            | 25,000        | 22,000        | 21,000        | 275,000         | 44,000          | 21,000          | 3,300,000      | 528,000        | 252,000        |             |  |
| total                |                 |              |              |               |               |               | 950,000         | 308,000         | 105,000         | 11,400,000     | 3,696,000      | 1,260,000      | 16,356,000  |  |
| Tax                  |                 |              |              |               |               |               |                 |                 |                 |                |                |                | 2,453,400   |  |
| total with tax       |                 |              |              |               |               |               |                 |                 |                 |                |                |                | 18,809,400  |  |
| fourth year contract | Unit Seat       | Unit Vinding | Unit Mailbox | Seat(SR/u)    | Vinding(SR/u) | Mailbox(SR/u) | Seat(SR/mon)    | Vinding(SR/mon) | Mailbox(SR/mon) | Seat(SR/yr)    | Vinding(SR/yr) | Mailbox(SR/yr) | total       |  |
| KSU                  | 20              | 10           | 3            | 30,000        | 25,000        | 23,000        | 600,000         | 250,000         | 69,000          | 7,200,000      | 3,000,000      | 828,000        |             |  |
| KAP                  | 7               | 6            | 3            | 30,000        | 25,000        | 23,000        | 210,000         | 150,000         | 69,000          | 2,520,000      | 1,800,000      | 828,000        |             |  |
| KAFD                 | 11              | 4            | 2            | 30,000        | 25,000        | 23,000        | 330,000         | 100,000         | 46,000          | 3,960,000      | 1,200,000      | 552,000        |             |  |
| KSP                  | 44              | 4            | 1            | 30,000        | 25,000        | 23,000        | 1,320,000       | 100,000         | 23,000          | 15,840,000     | 1,200,000      | 276,000        |             |  |
| total                |                 |              |              |               |               |               | 2,460,000       | 600,000         | 207,000         | 29,520,000     | 7,200,000      | 2,484,000      | 39,204,000  |  |
| Tax                  |                 |              |              |               |               |               |                 |                 |                 |                |                |                | 5,880,600   |  |
| total with tax       |                 |              |              |               |               |               |                 |                 |                 |                |                |                | 45,084,600  |  |
| Fifth year contract  | Unit Seat       | Unit Vinding | Unit Mailbox | Seat(SR/u)    | Vinding(SR/u) | Mailbox(SR/u) | Seat(SR/mon)    | Vinding(SR/mon) | Mailbox(SR/mon) | Seat(SR/yr)    | Vinding(SR/yr) | Mailbox(SR/yr) | total       |  |
| KSU                  | 20              | 10           | 4            | 40,000        | 28,000        | 25,000        | 800,000         | 280,000         | 100,000         | 9,600,000      | 3,360,000      | 1,200,000      |             |  |
| KAP                  | 7               | 8            | 3            | 40,000        | 28,000        | 25,000        | 280,000         | 224,000         | 75,000          | 3,360,000      | 2,688,000      | 900,000        |             |  |
| KAFD                 | 11              | 6            | 2            | 40,000        | 28,000        | 25,000        | 440,000         | 168,000         | 50,000          | 5,280,000      | 2,016,000      | 600,000        |             |  |
| KSP                  | 44              | 6            | 3            | 40,000        | 28,000        | 25,000        | 1,760,000       | 168,000         | 75,000          | 21,120,000     | 2,016,000      | 900,000        |             |  |
| Sport Boulevard      | 88              | 10           | 4            | 40,000        | 28,000        | 25,000        | 3,520,000       | 280,000         | 100,000         | 42,240,000     | 3,360,000      | 1,200,000      |             |  |
| total                |                 |              |              |               |               |               | 6,800,000       | 1,120,000       | 400,000         | 81,600,000     | 13,440,000     | 4,800,000      | 99,840,000  |  |
| Tax                  |                 |              |              |               |               |               |                 |                 |                 |                |                |                | 14,976,000  |  |
| total with tax       |                 |              |              |               |               |               |                 |                 |                 |                |                |                | 114,816,000 |  |
| total with tax       |                 |              |              |               |               |               |                 |                 |                 |                |                |                | 188,176,800 |  |

## (6) Procurement Process





| ID  | Outline Number | Task Mode                                                                         | Task Name                                | Duration  | Start       | Finish       | Predecessors | 2023        |    | 2024 |  |
|-----|----------------|-----------------------------------------------------------------------------------|------------------------------------------|-----------|-------------|--------------|--------------|-------------|----|------|--|
|     |                |                                                                                   |                                          |           |             |              |              | H1          | H2 | H1   |  |
| 267 | 7              |  | business devolpment up to 5 years        | 1036 days | Sun 7/7/24  | Wed 10/27/27 |              | <div></div> |    |      |  |
| 276 | 8              |  | project management process up to 5 years | 1546 days | Tue 1/24/23 | Sat 1/1/28   |              |             |    |      |  |

Project: Project2  
Date: Sun 8/14/22

Task

Split

Milestone

Summary









Project Summary

Inactive Task

Inactive Milestone

Inactive Summary









Manual Task

Duration-only

Manual Summary Rollup

Manual Summary









Start-only

Finish-only

External Tasks

External Milestone







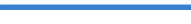


Deadline

Progress

Manual Progress



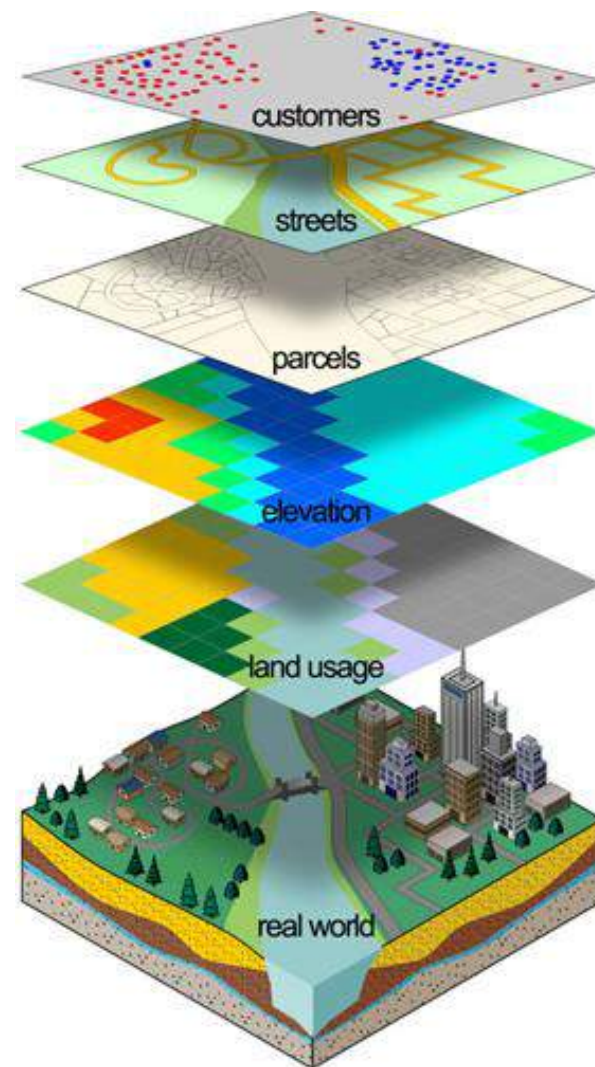






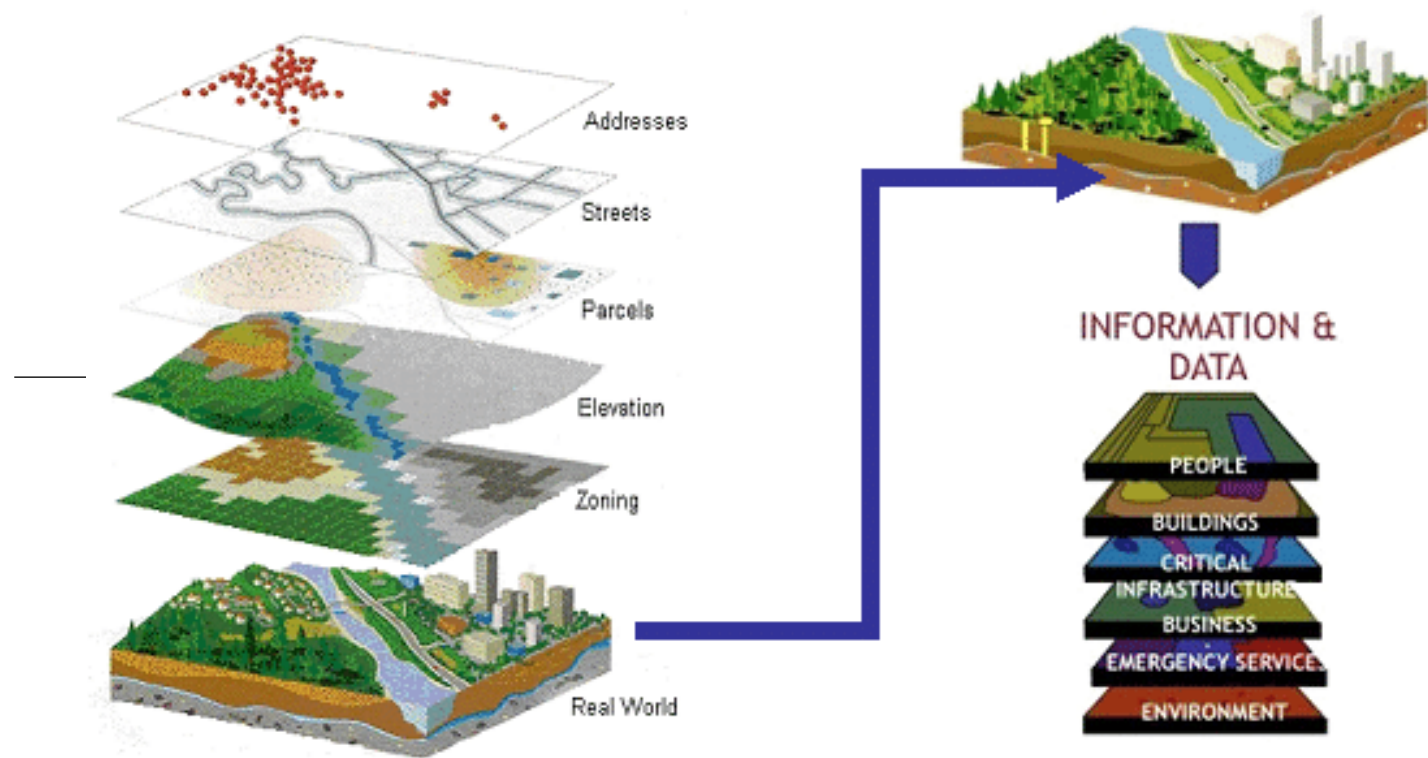
# 7 GIS Spatial Analyst

Input

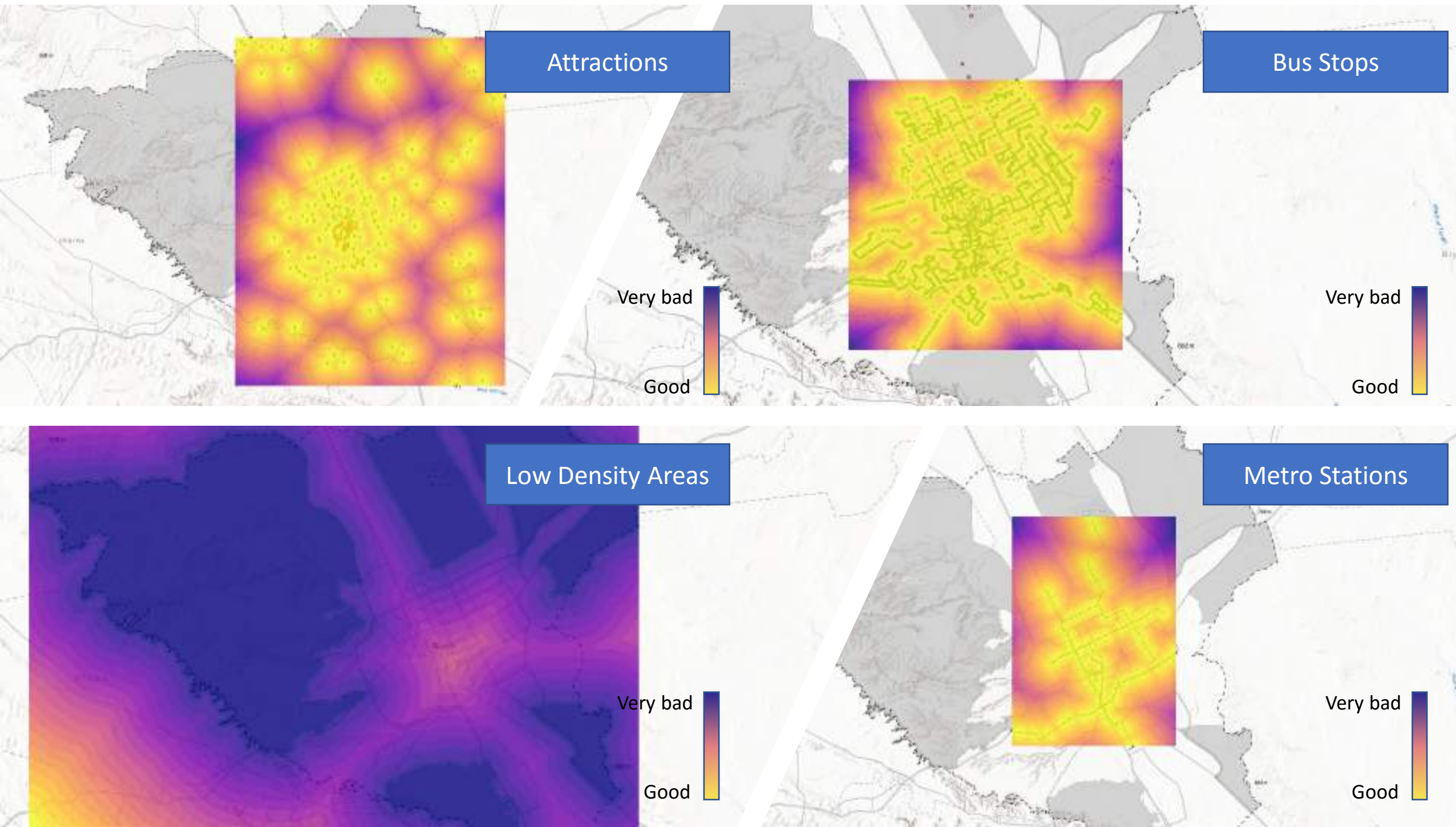




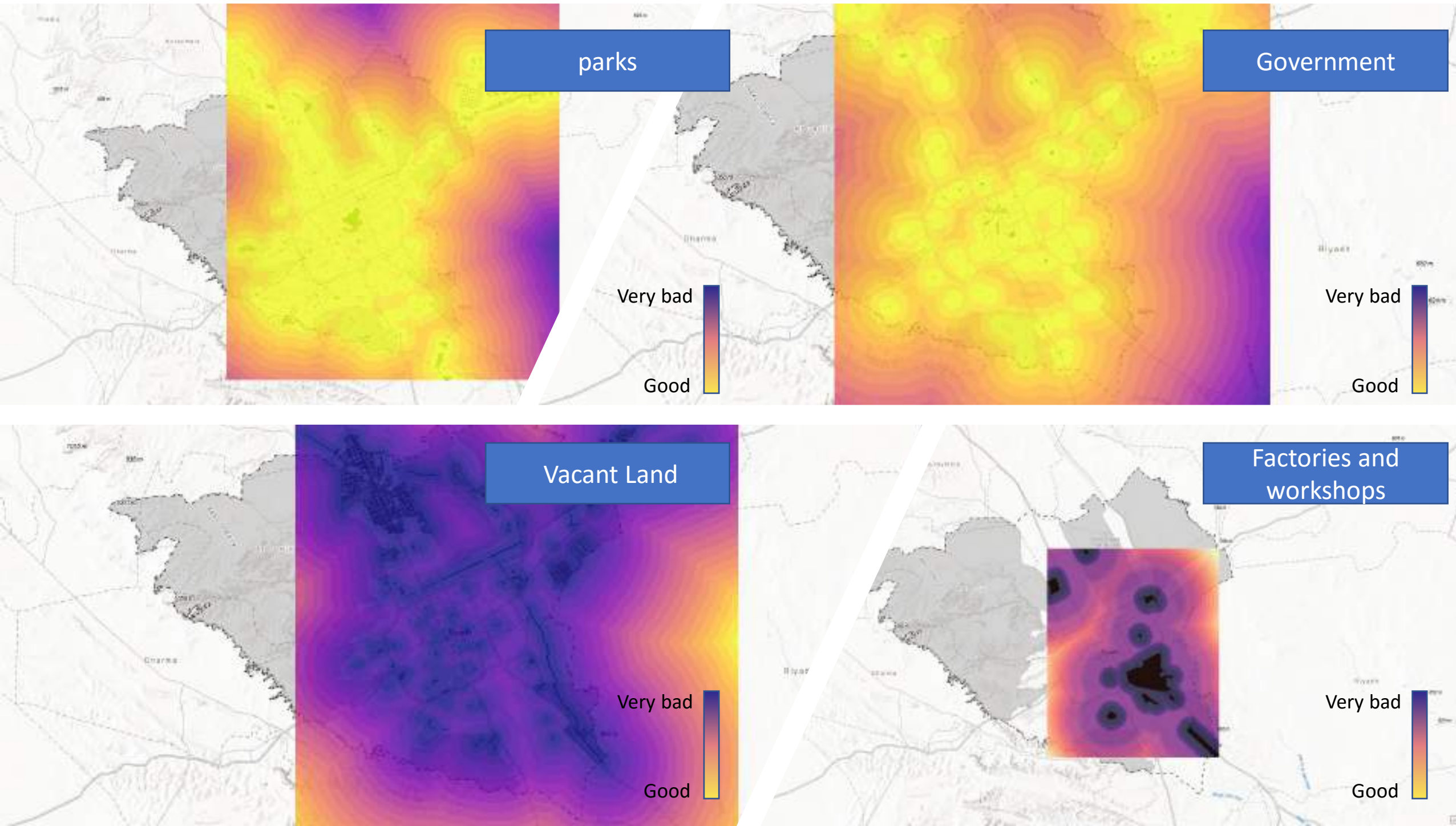
# Euclidean Distance



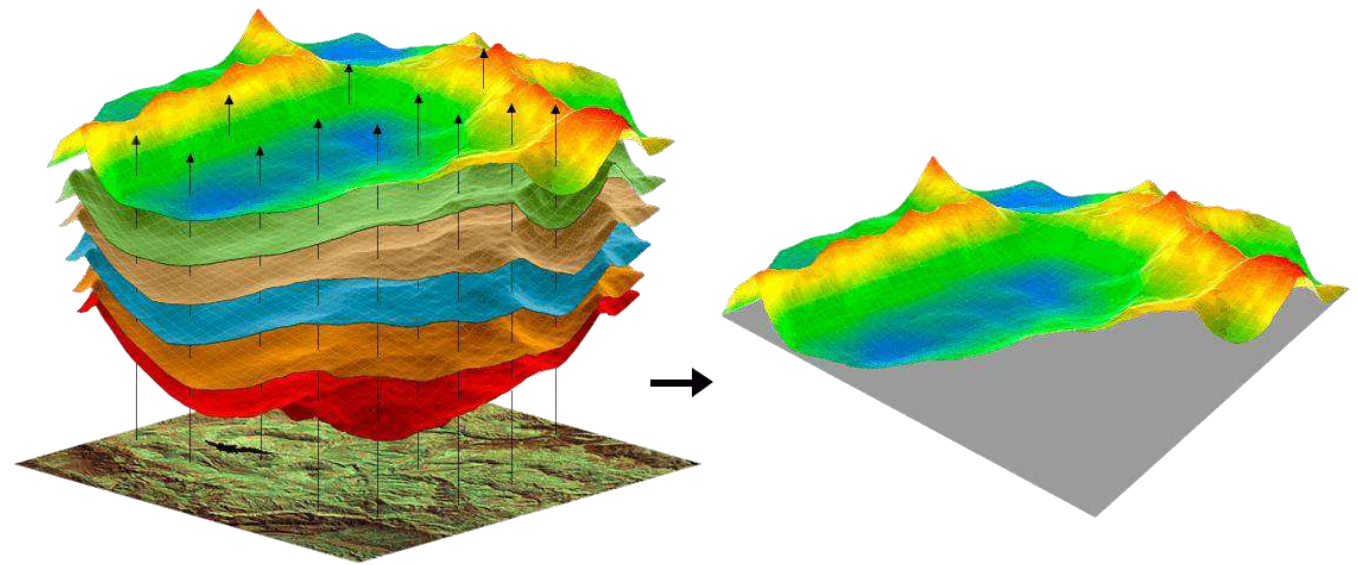
# Euclidean Distance



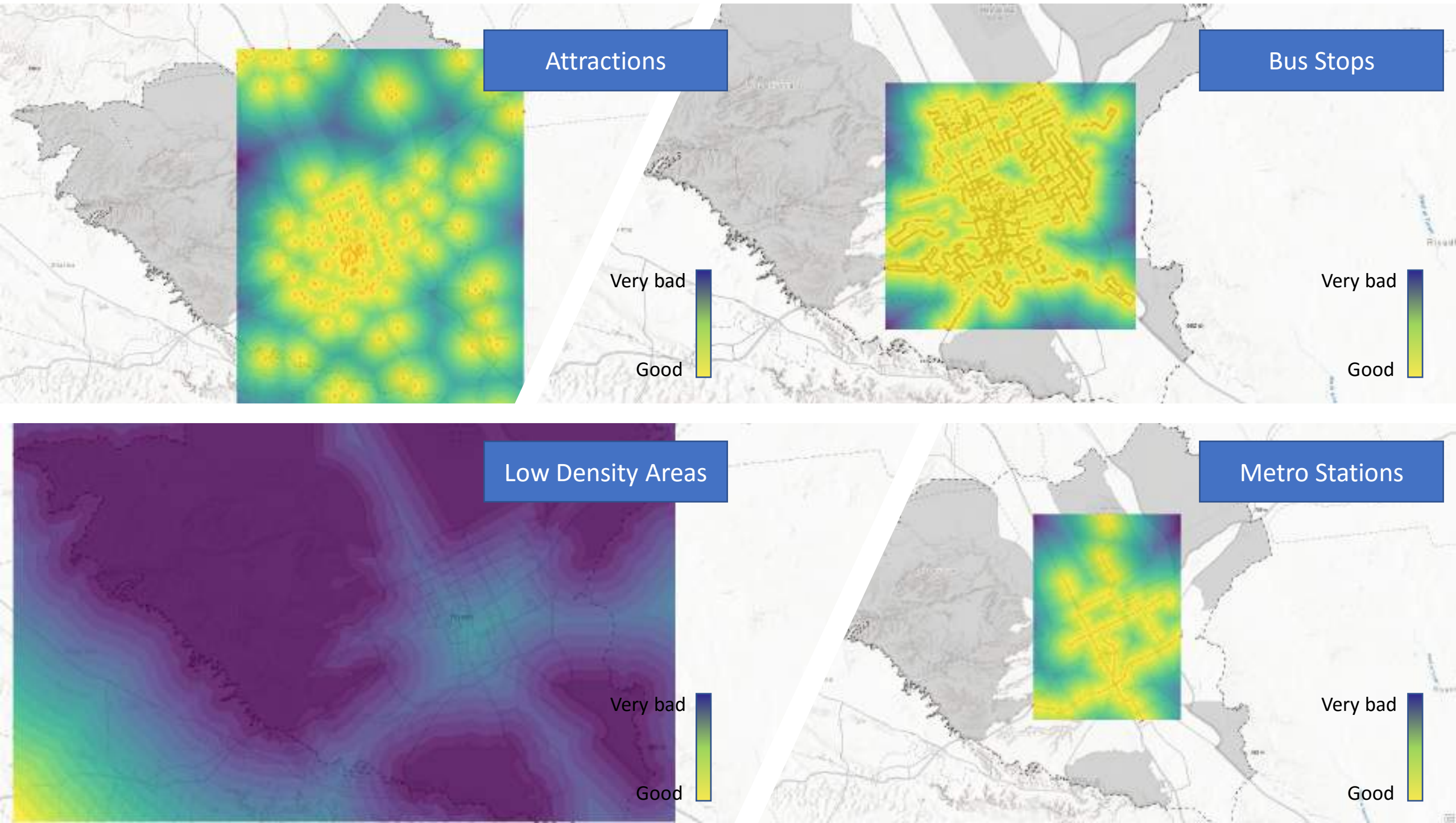
# Euclidean Distance



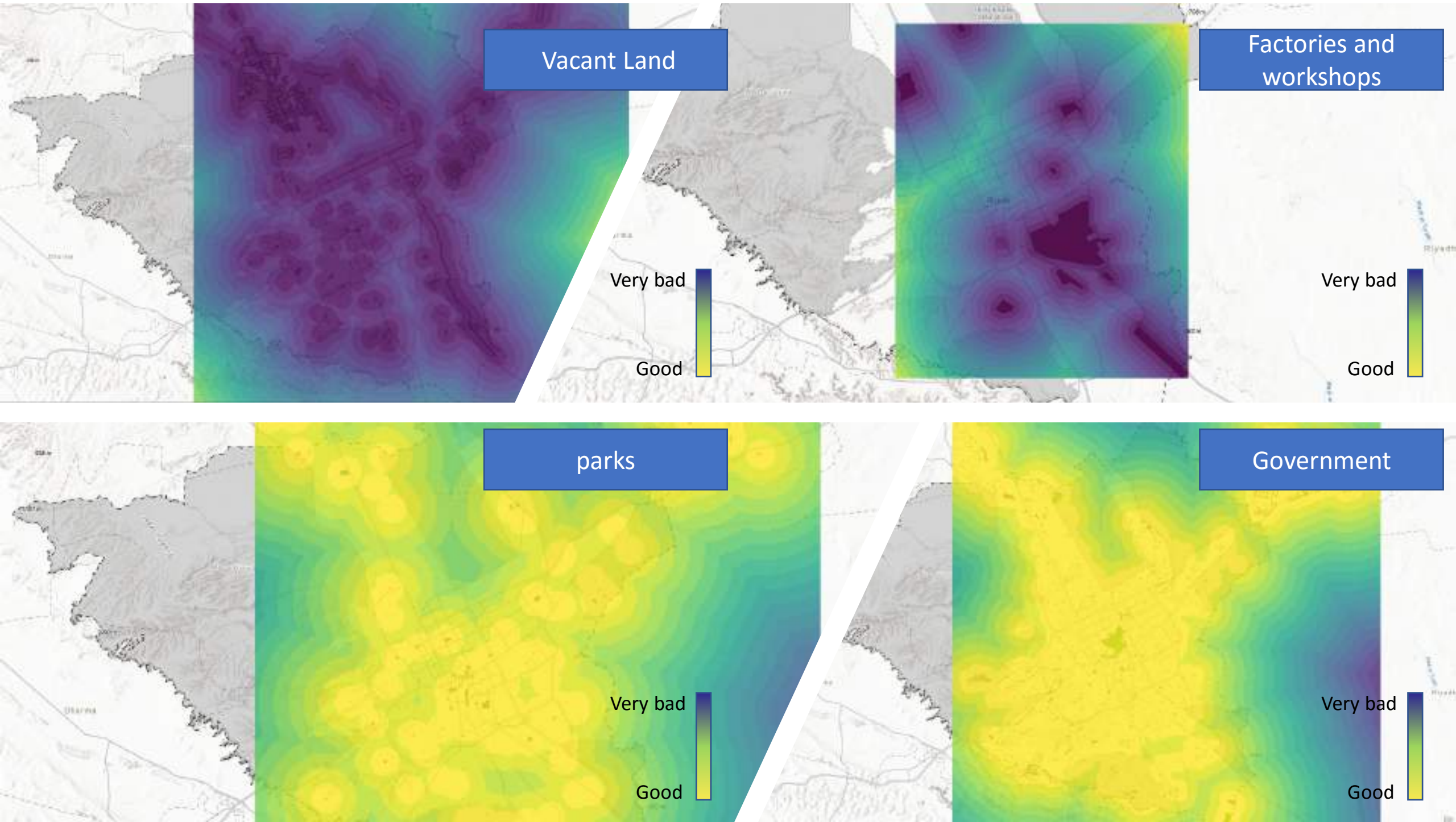
Reclassify



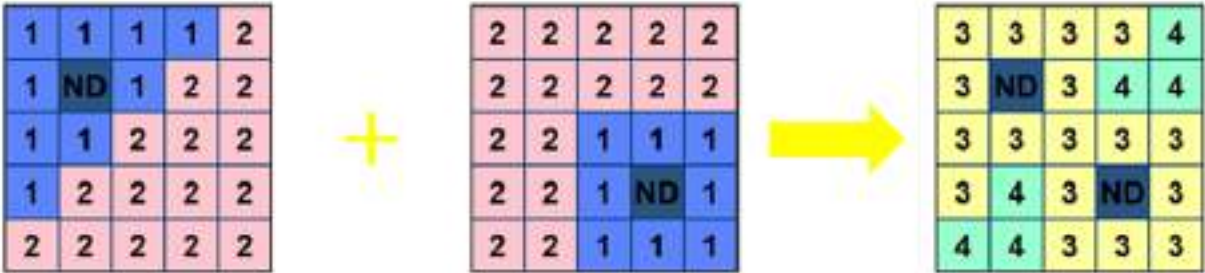
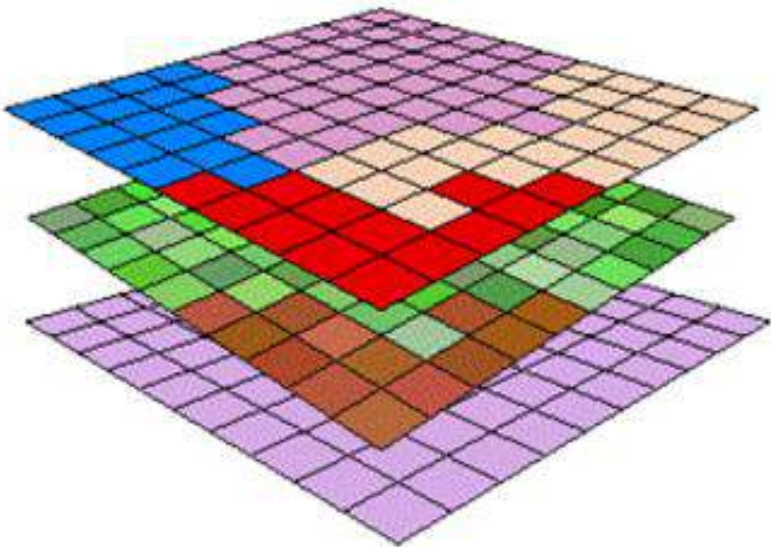
# Reclassify



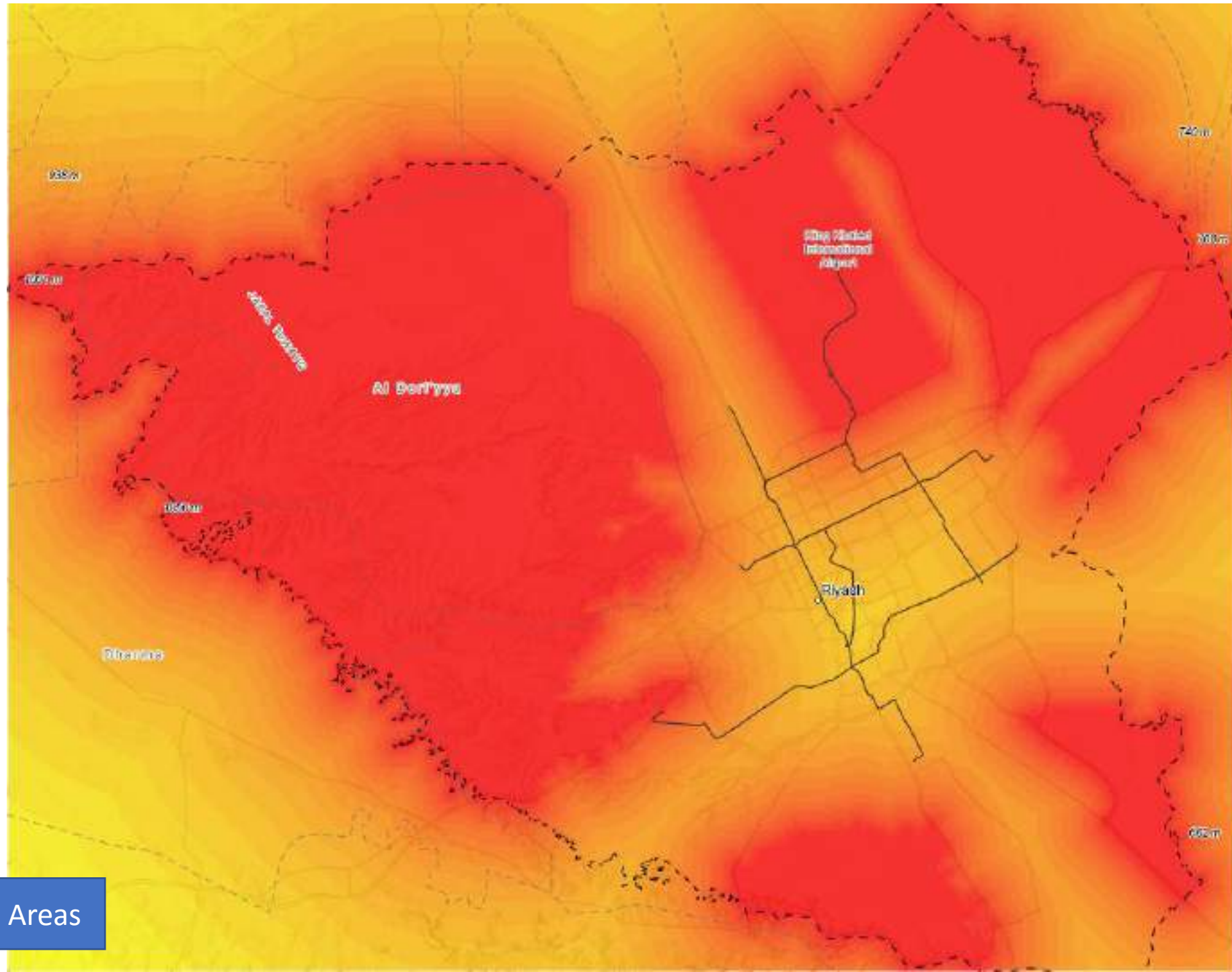
# Reclassify



# Weighted Overlay



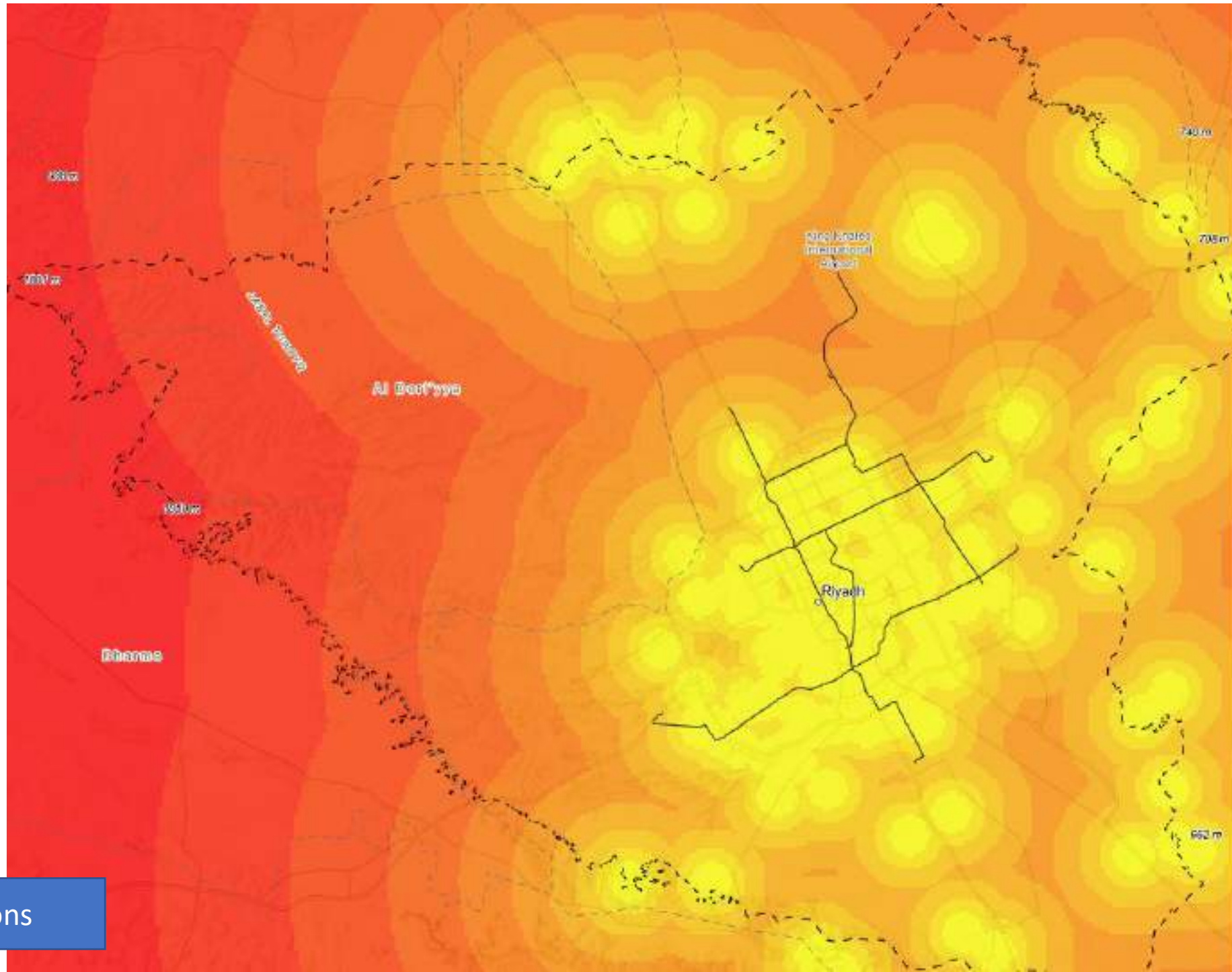
# Weighted Overlay



Low Density Areas

Very bad  
Good

# Weighted Overlay



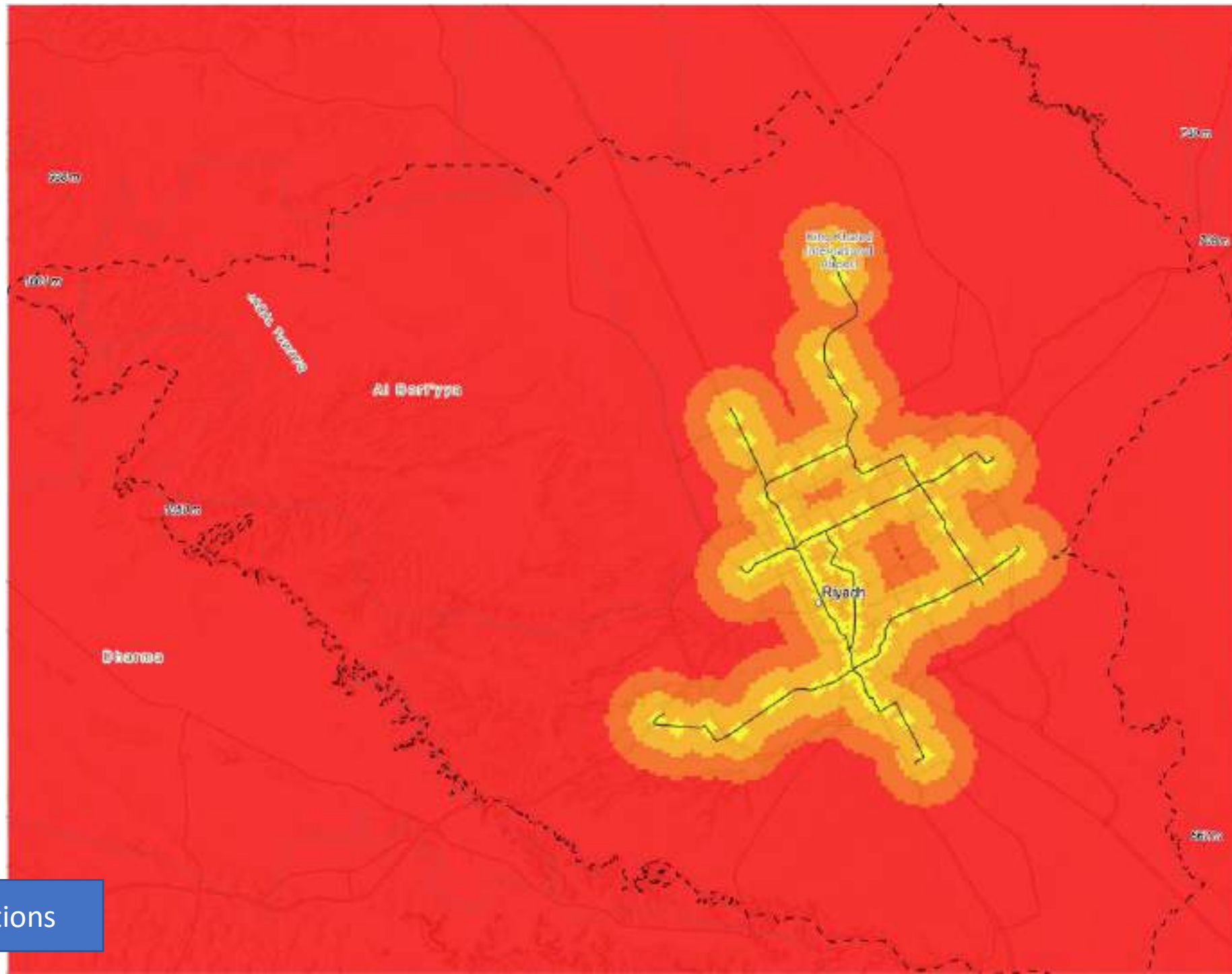
Attractions

Very bad  
Good



## Bus Stops

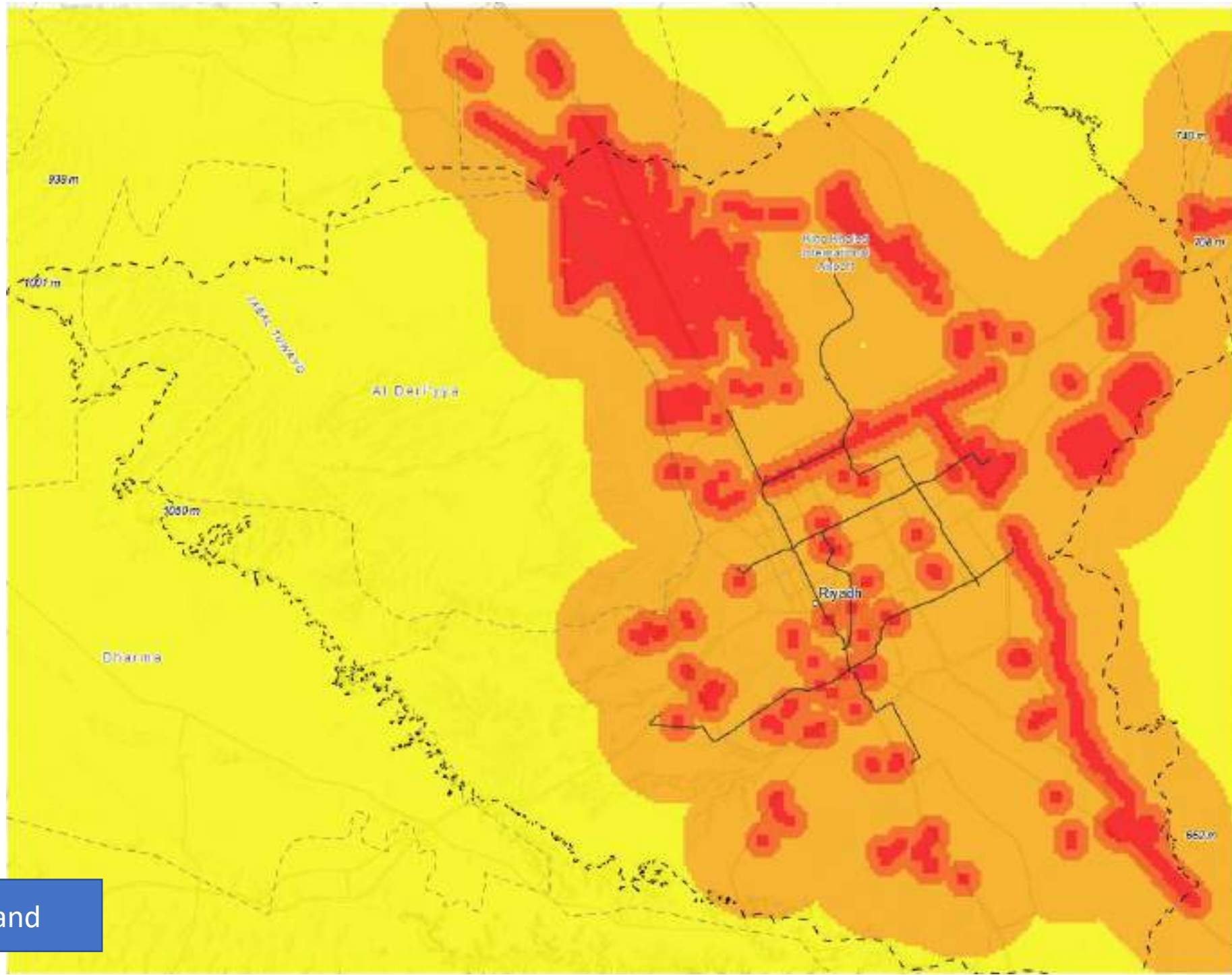
# Weighted Overlay



Metro Stations

Very bad  
Good

# Weighted Overlay



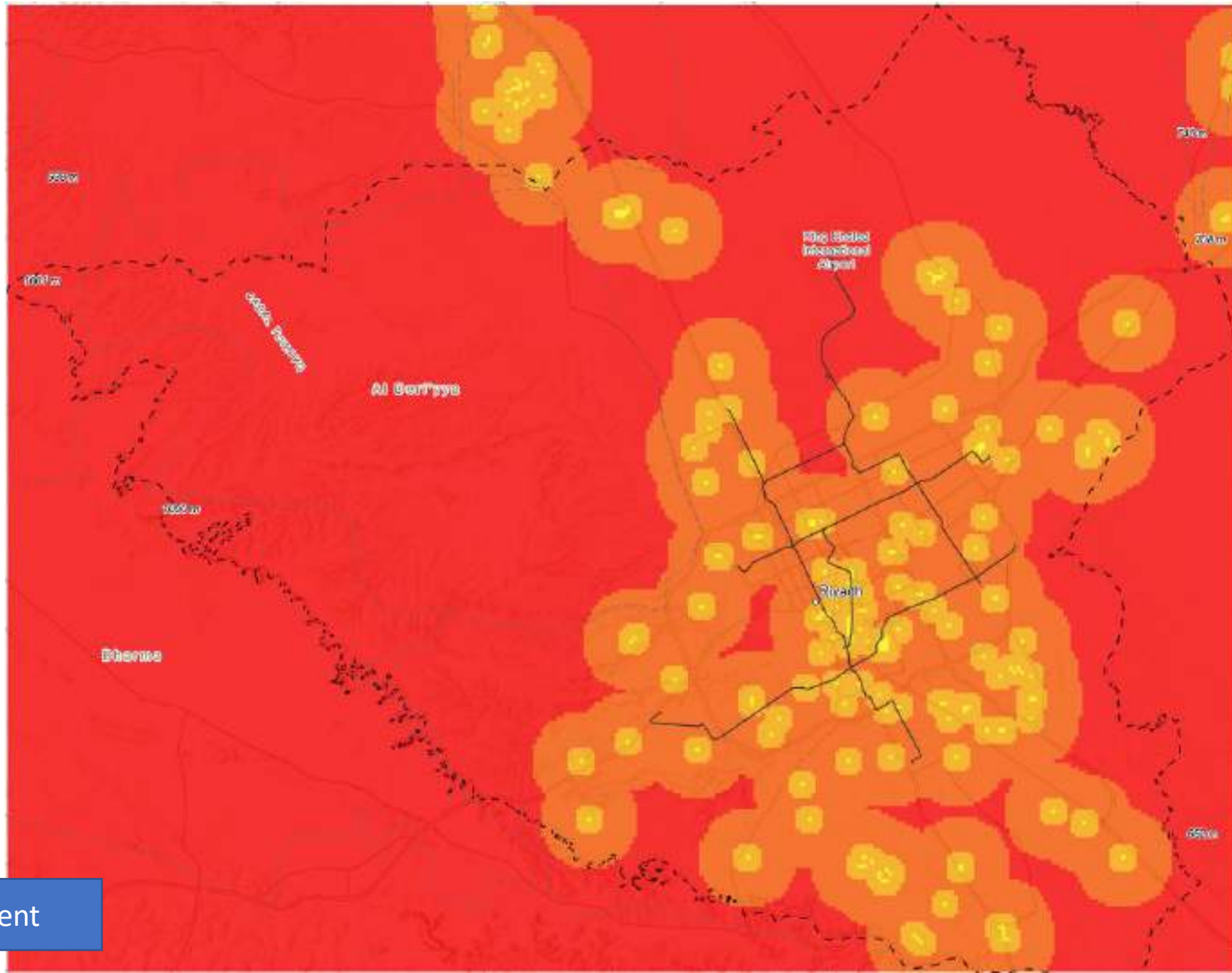
Vacant Land

Very bad  
Good



parks

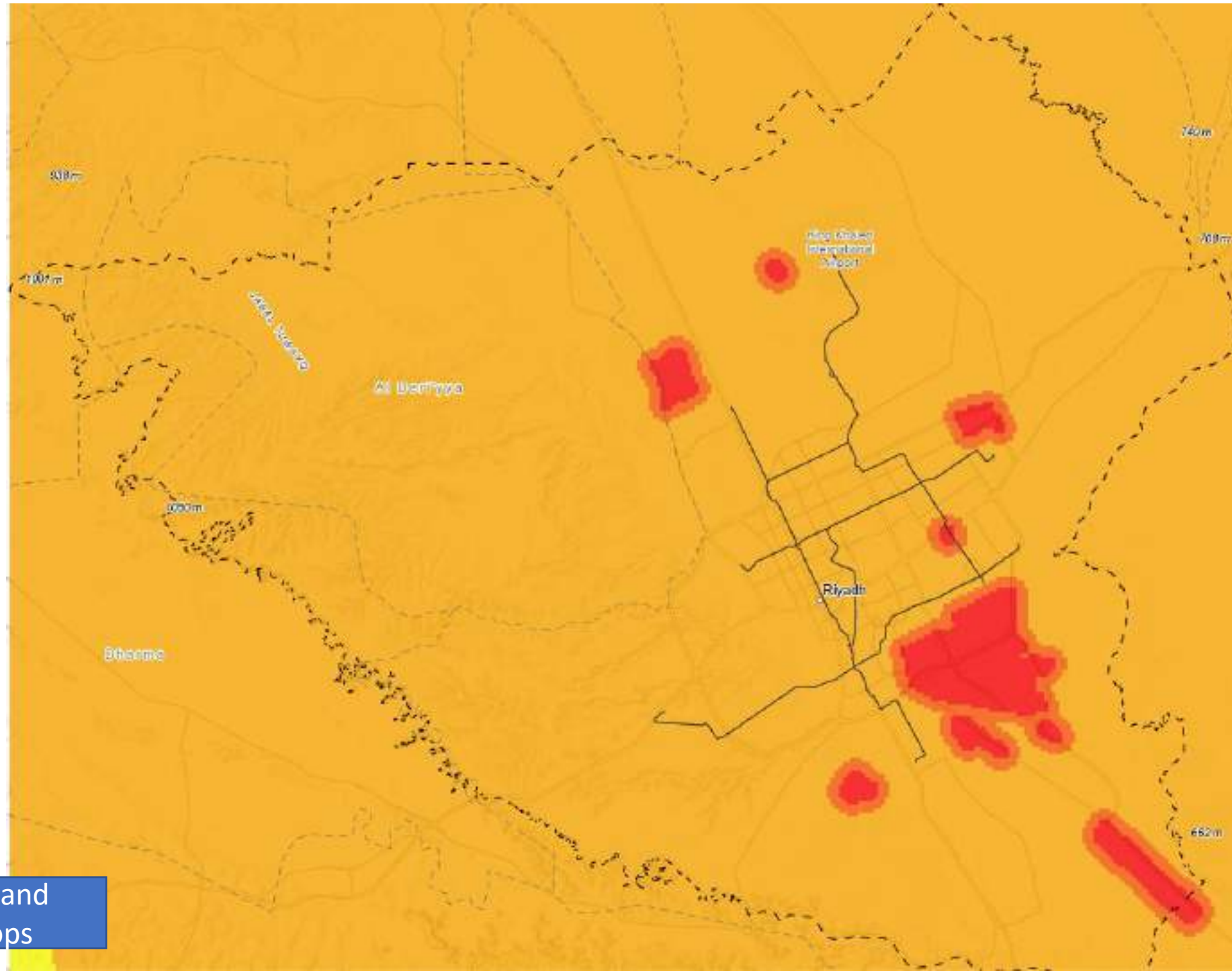
# Weighted Overlay



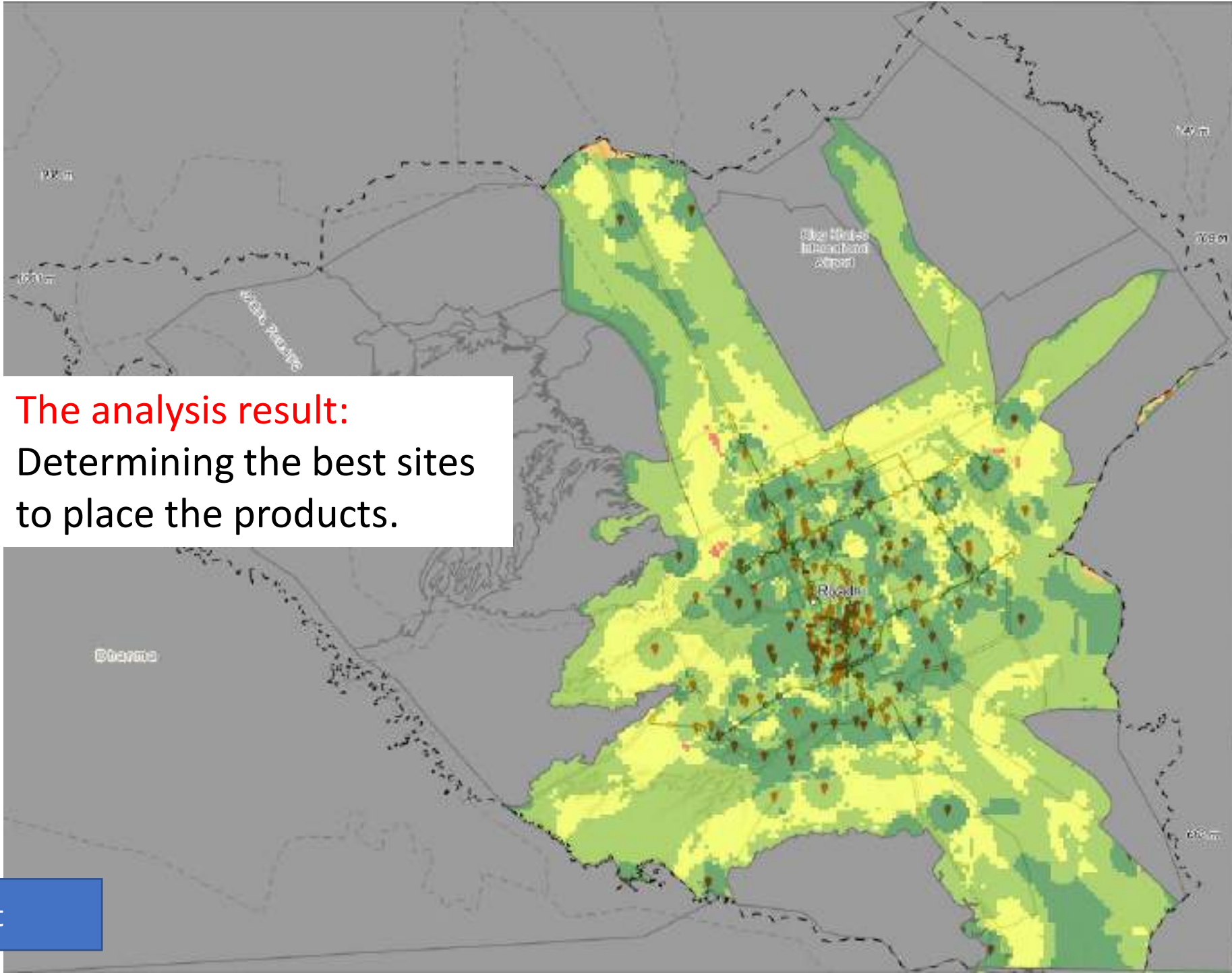
Government

Very bad  
Good

# Weighted Overlay

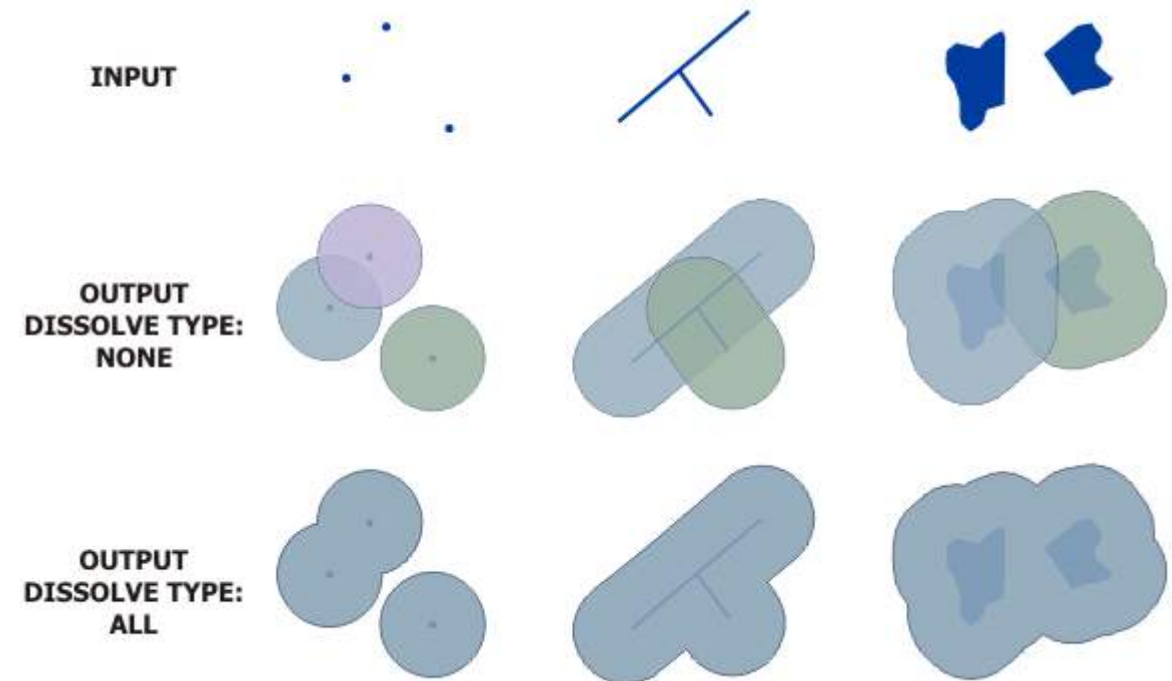


# Weighted Overlay

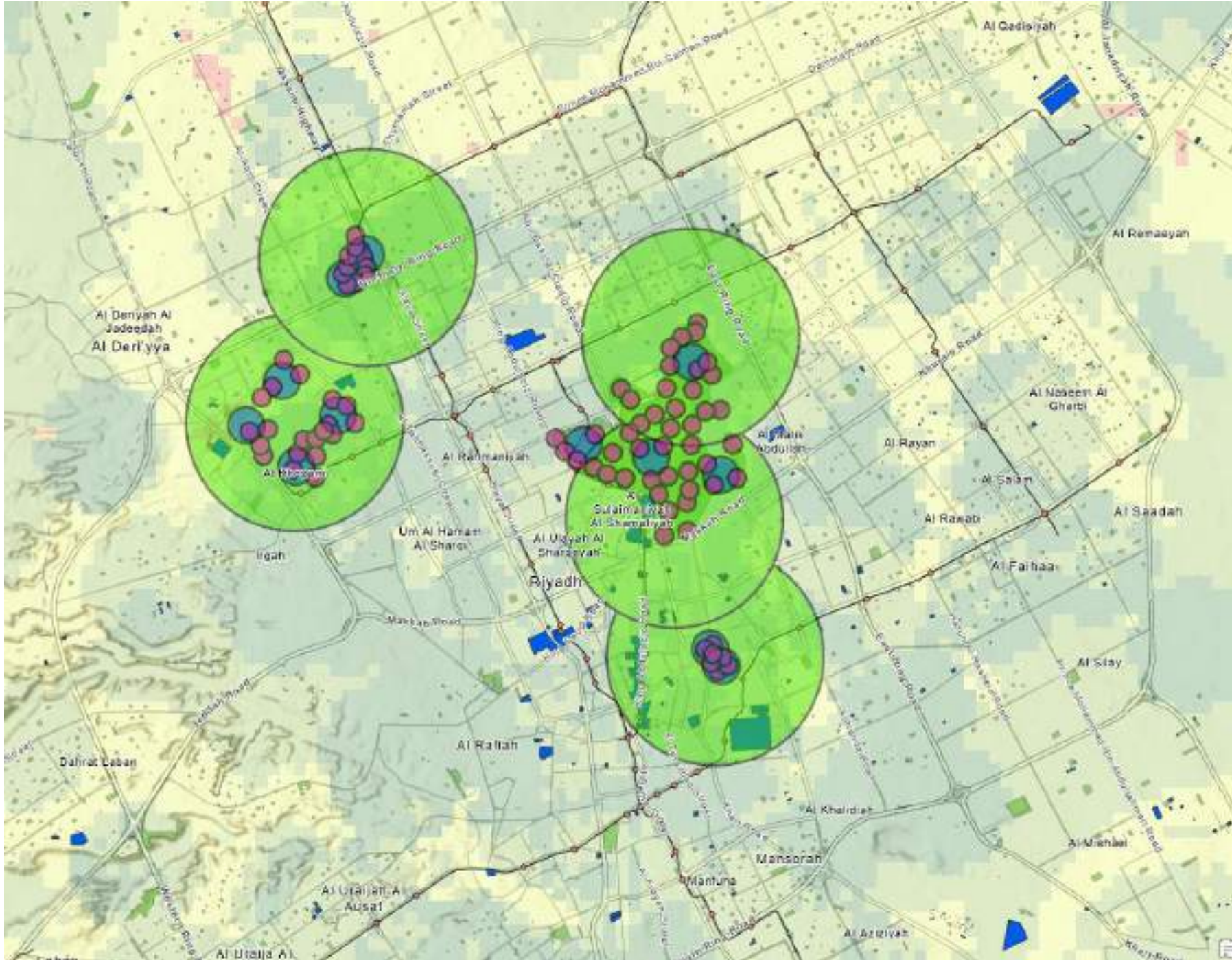


Output

# Buffering



# Buffering



## Smart Seat



250 /M

Service cover

## Vending Machine



500 /M

Service cover

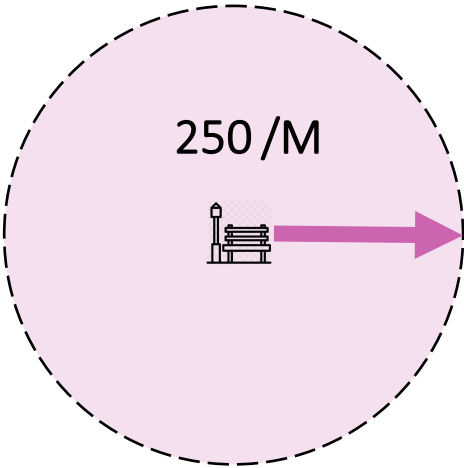
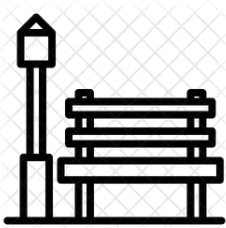
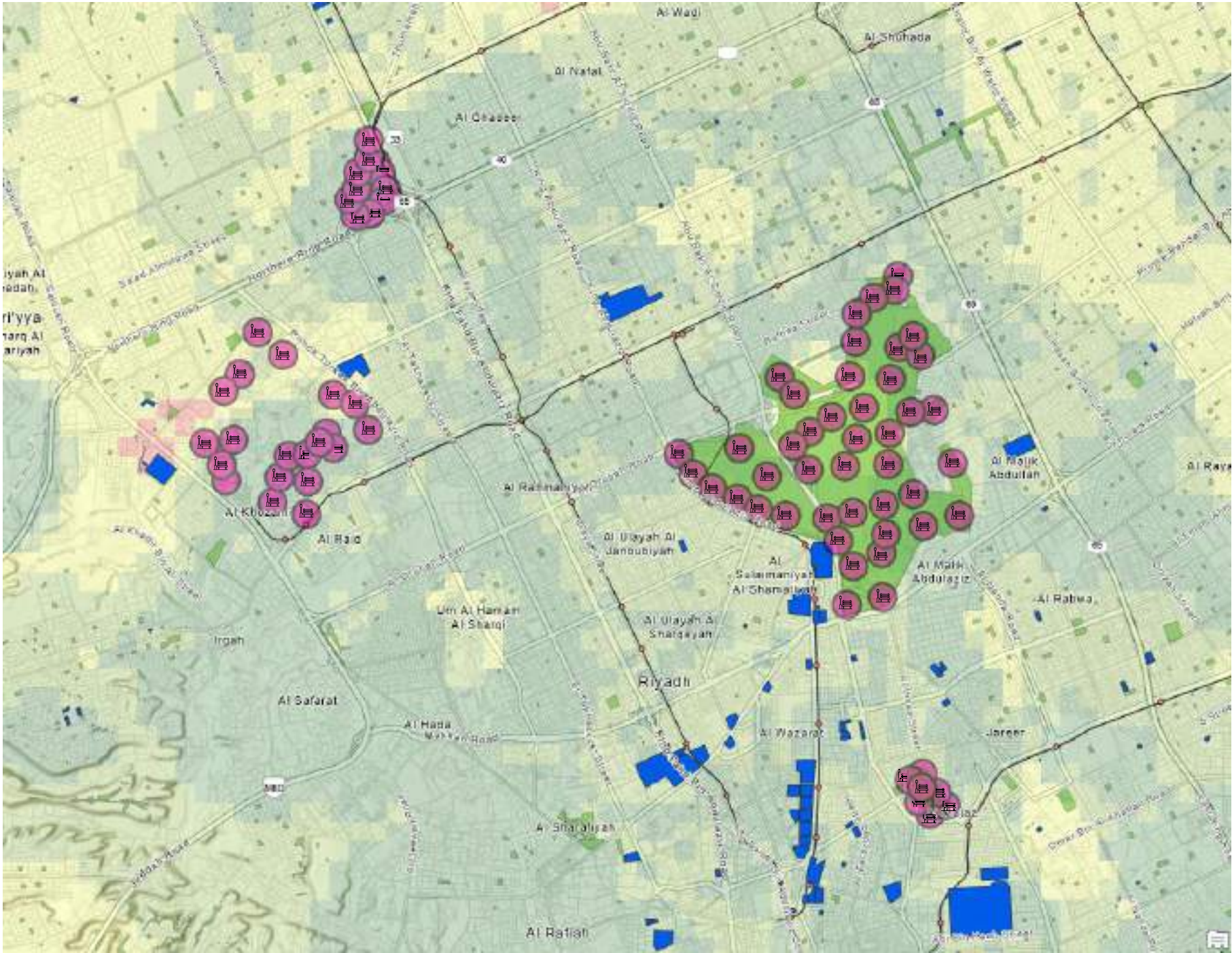
Mailbox



2000 /M

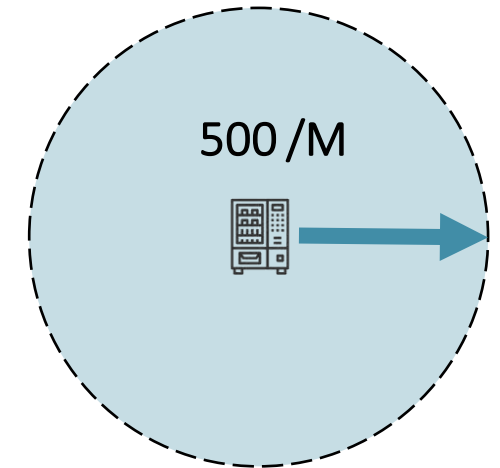
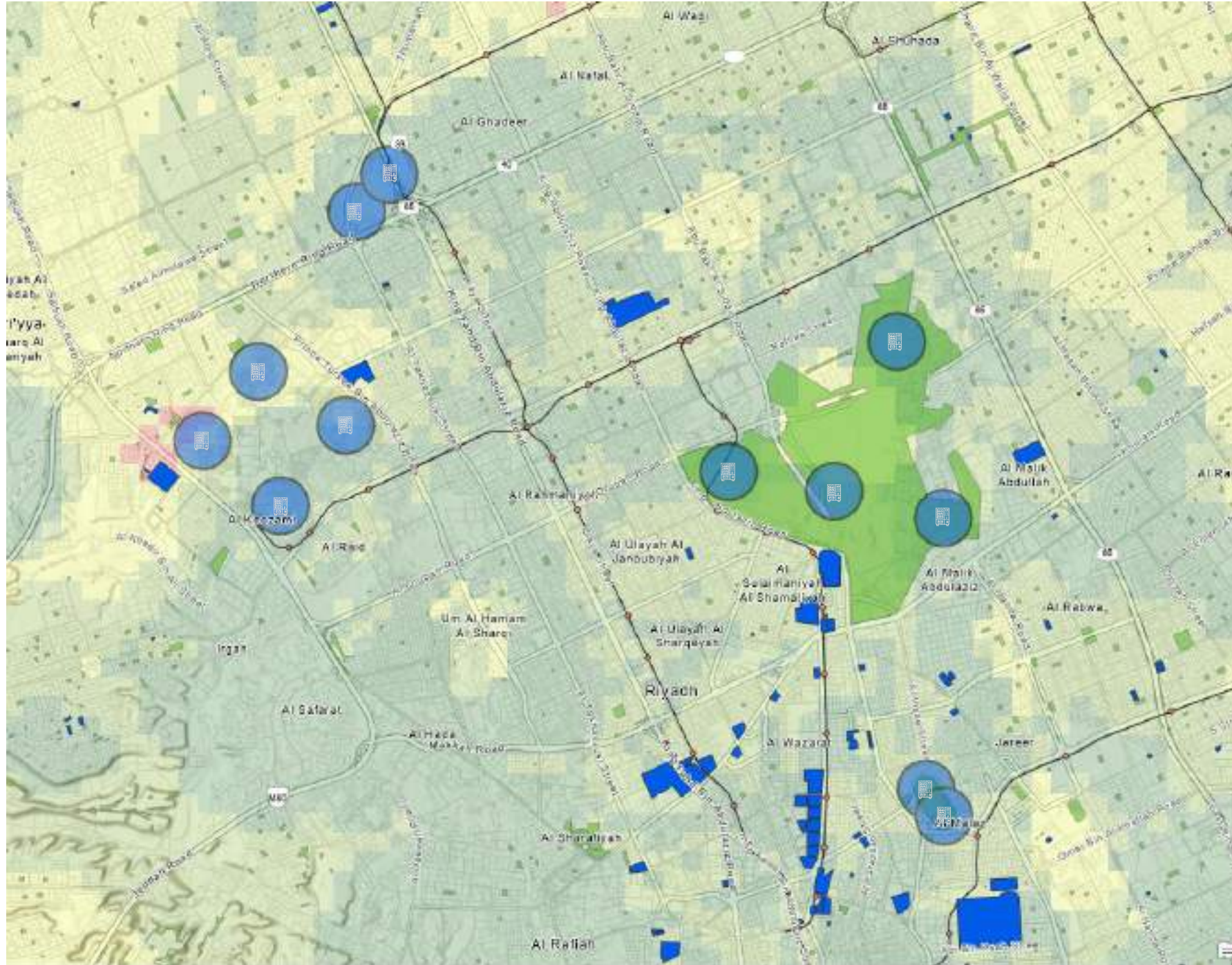
Service cover

# Smart Seat



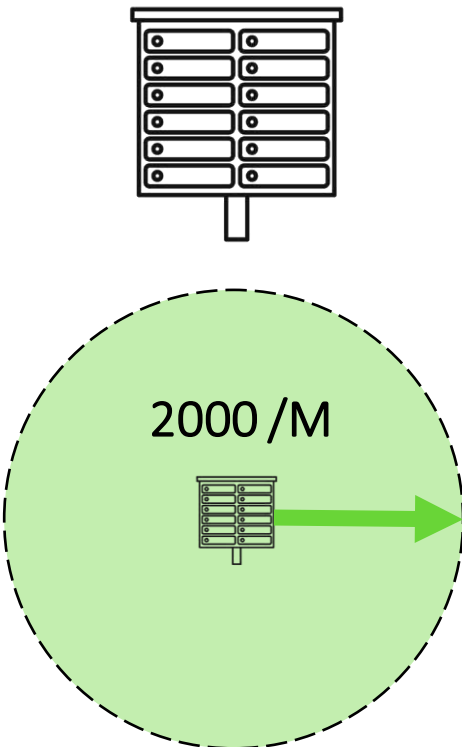
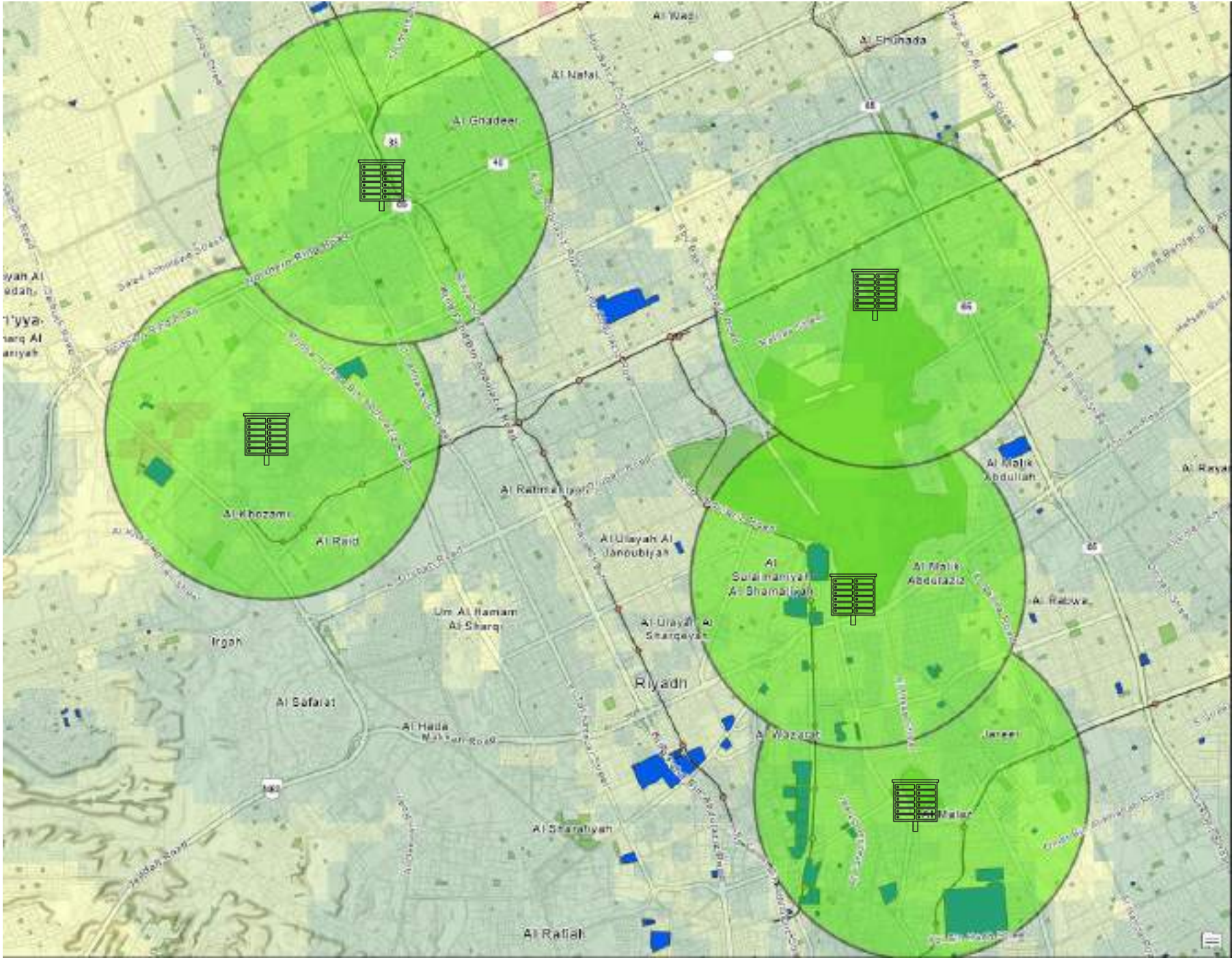
|                                  |    |                                                                                       |
|----------------------------------|----|---------------------------------------------------------------------------------------|
| King Saud University             | 20 |  |
| King Salman Park                 | 44 |  |
| King Abdullah Financial District | 11 |  |
| King Abdullah Park               | 7  |  |

# Vending Machine



|                                  |   |                                                                                       |
|----------------------------------|---|---------------------------------------------------------------------------------------|
| King Saud University             | 4 |  |
| King Salman Park                 | 4 |  |
| King Abdullah Financial District | 2 |  |
| King Abdullah Park               | 2 |  |

# Mailbox

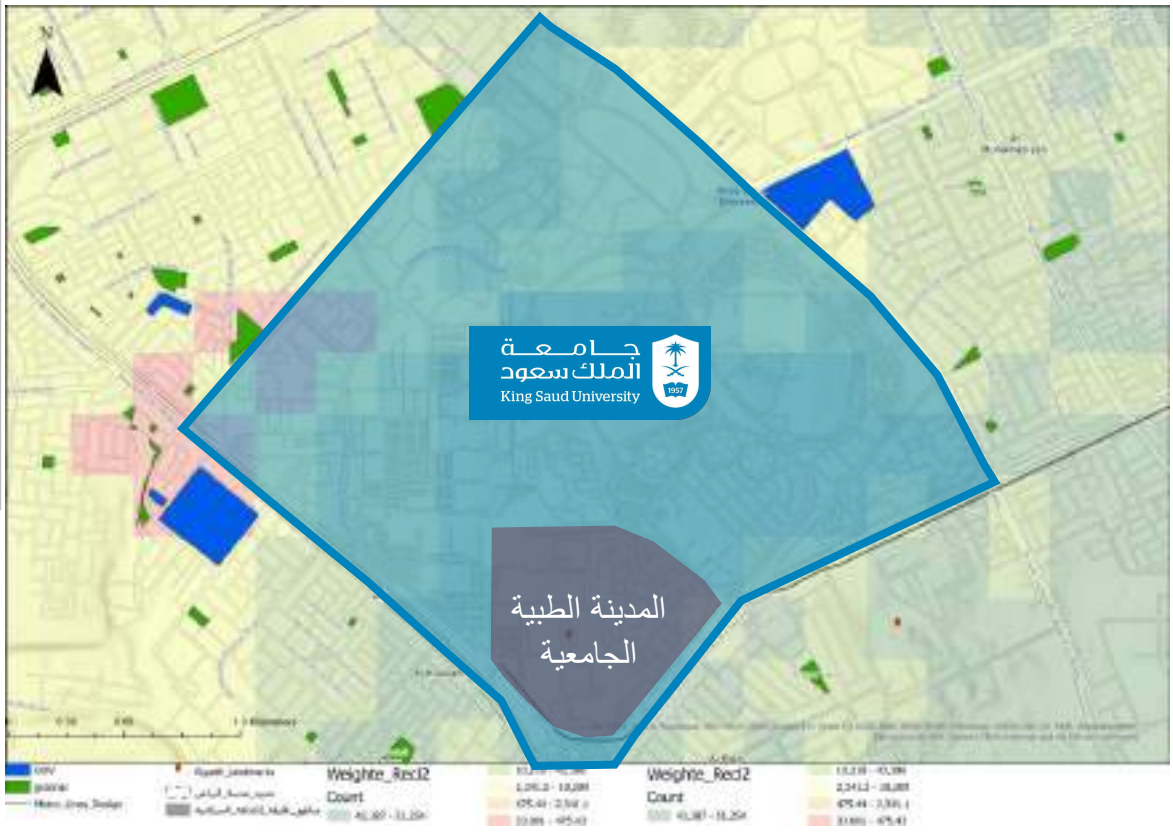
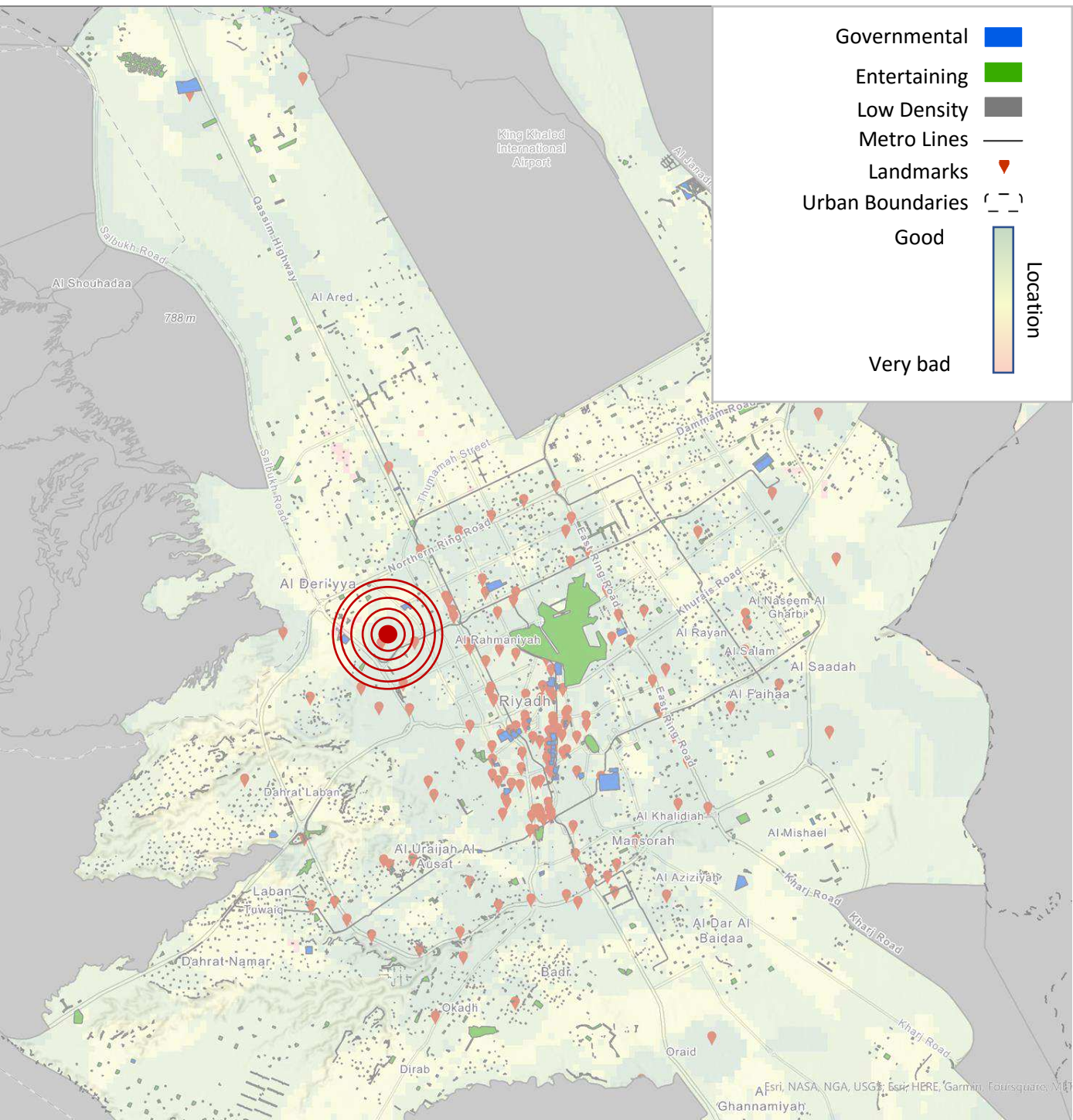


- |                                  |   |                                                                                       |
|----------------------------------|---|---------------------------------------------------------------------------------------|
| King Saud University             | 1 |  |
| King Salman Park                 | 2 |  |
| King Abdullah Financial District | 1 |  |
| King Abdullah Park               | 1 |  |

King Saud  
University



# King Saud University



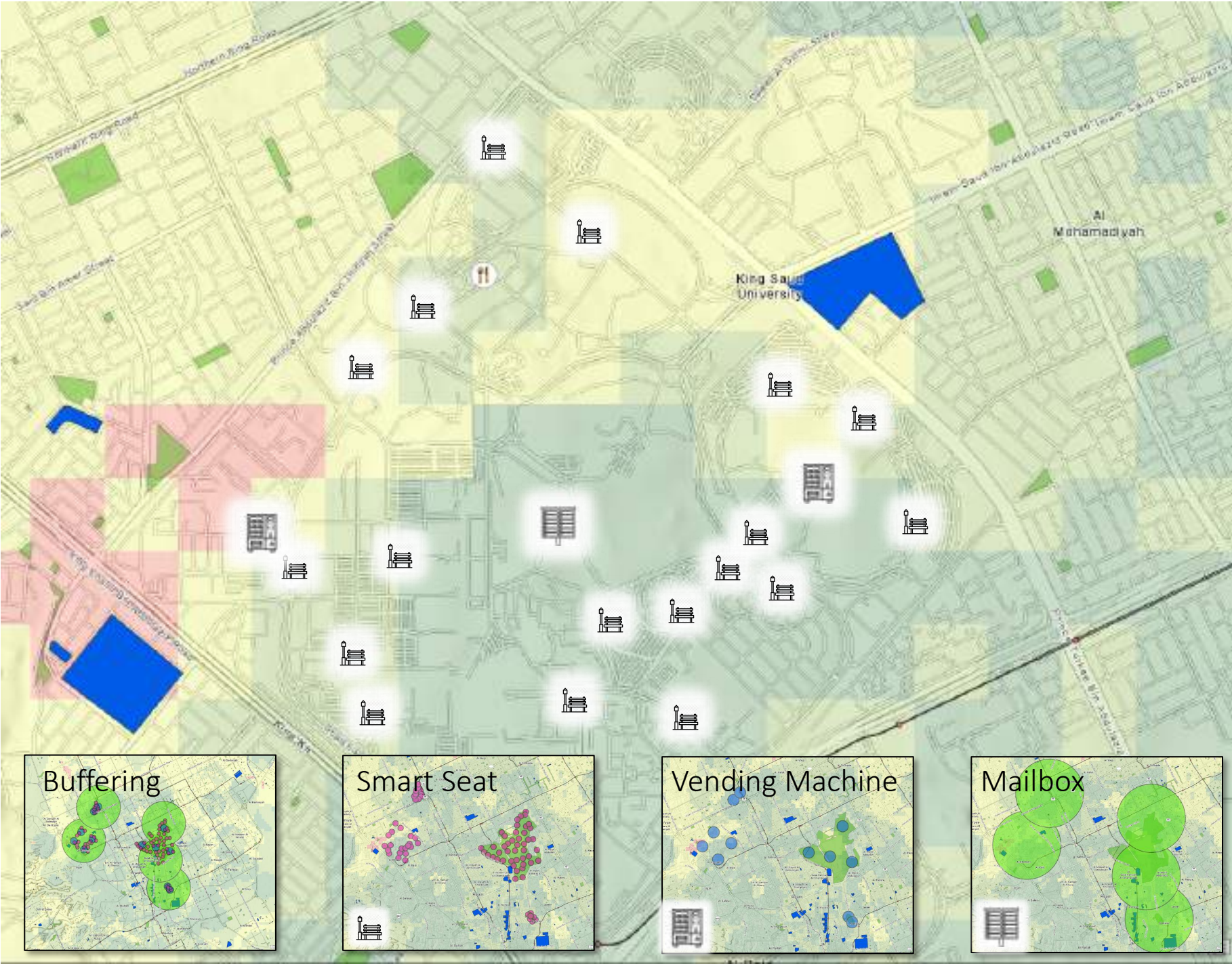
## Medical City

|                 |           |
|-----------------|-----------|
| Clinics         | 402       |
| Visit clinics   | 413.060   |
| Hospitalization | 39.988    |
| Surgeries       | 15.248    |
| Pharmacy        | 1.120.963 |

## King Saud University

|                                 |        |
|---------------------------------|--------|
| Capacity                        | 70,000 |
| Number of students              | 51,000 |
| Number of employees             | 6,322  |
| Area is 9 million square meters |        |

# King Saud University



Smart Seat



20 

Vending Machine



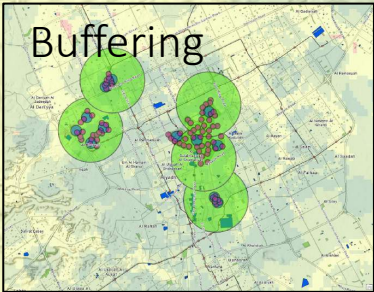
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Mailbox

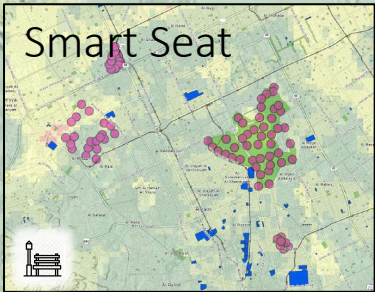


1 

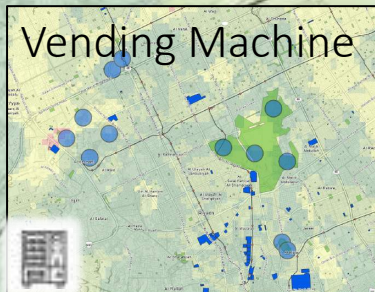
Buffering



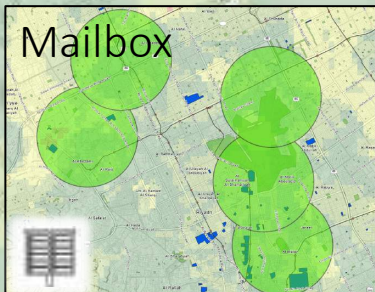
Smart Seat



Vending Machine



Mailbox



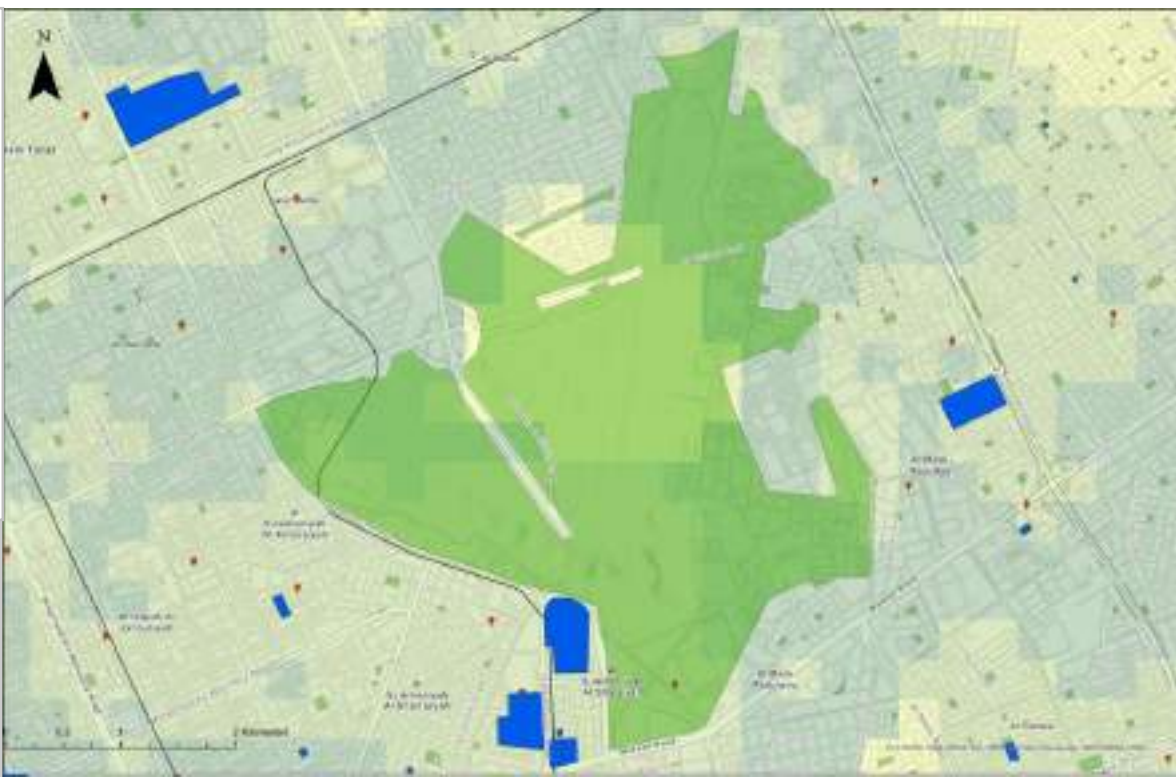
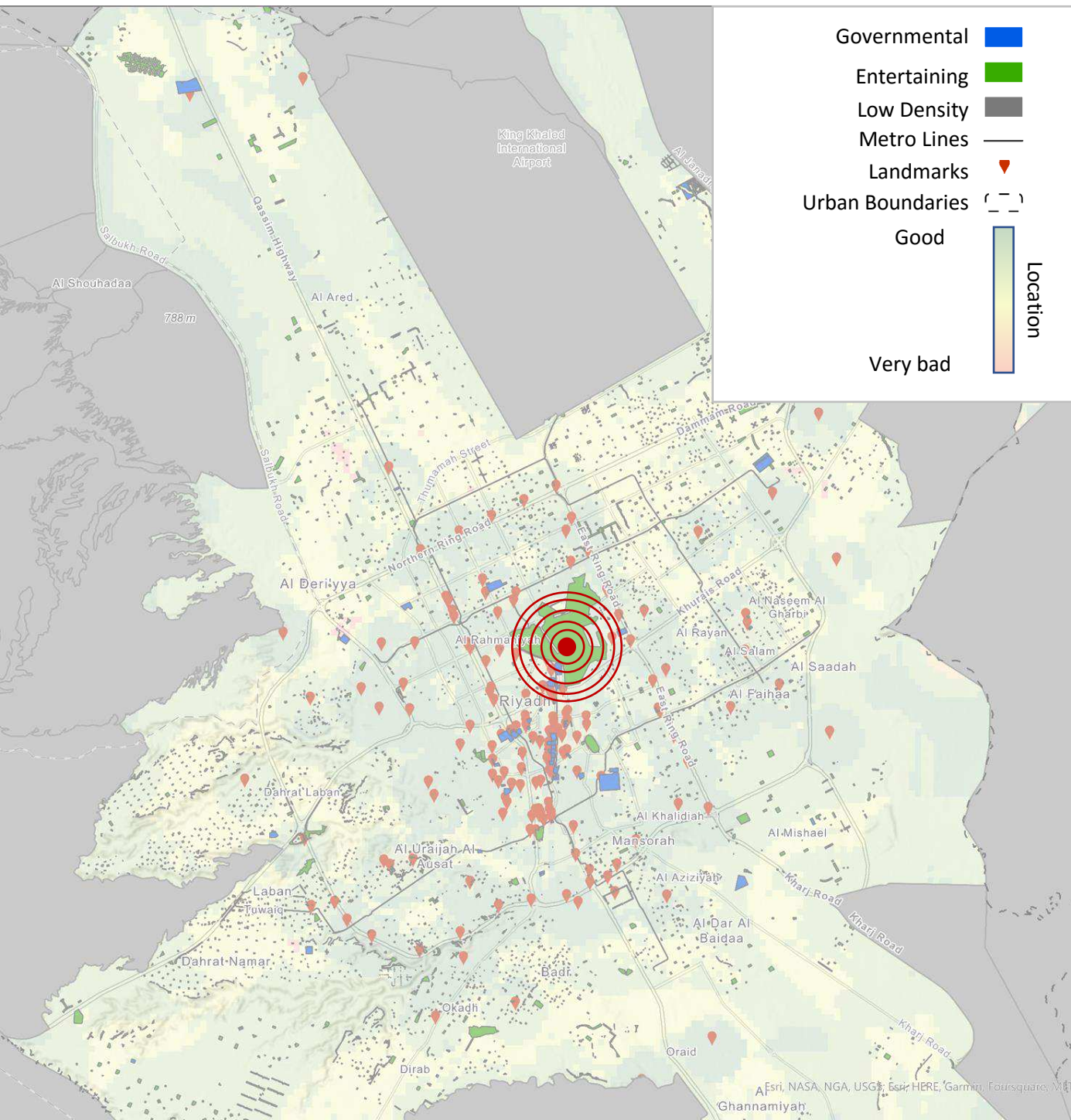


# King Salman Park

حديقة  
الملك سلمان  
King Salman Park



# King Salman Park

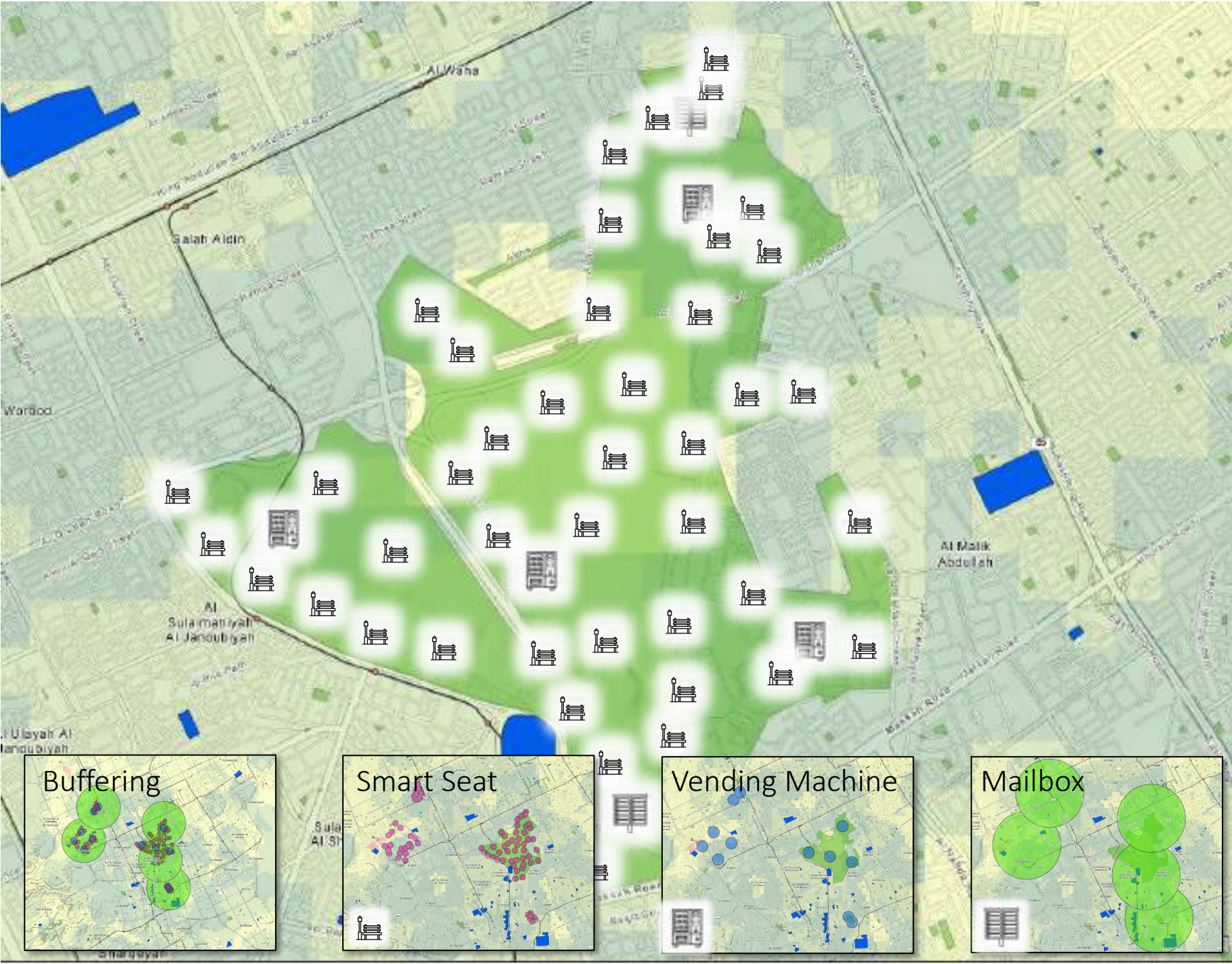


## King Salman Park

|                   |                     |
|-------------------|---------------------|
| Area              | +16 Km <sup>2</sup> |
| Residential Units | 15,000              |
| Hotel Rooms       | 2,225               |
| Museum            | 6                   |
| Sports Courts     | +20                 |
| Retail            | 250 Km <sup>2</sup> |
| Office            | 390 Km <sup>2</sup> |



# King Salman Park



Smart Seat



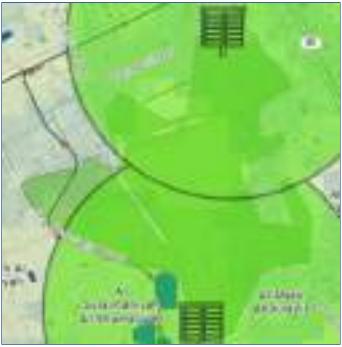
44 

Vending Machine



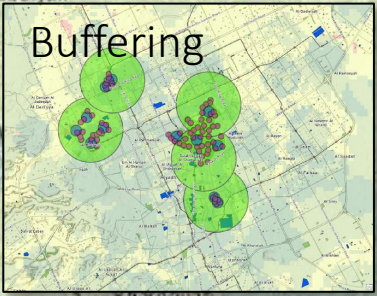
4 

Mailbox

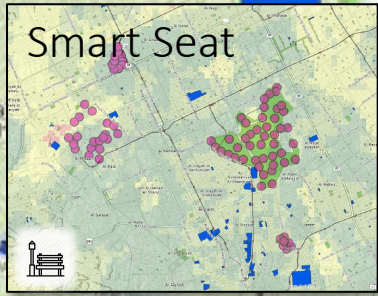


2 

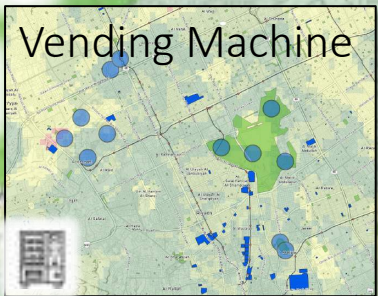
Buffering



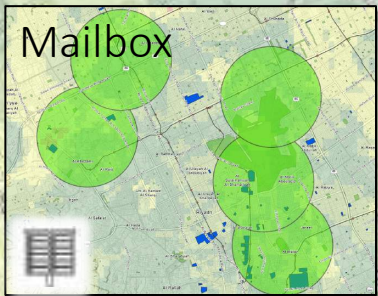
Smart Seat



Vending Machine



Mailbox





# King Abdullah Financial District

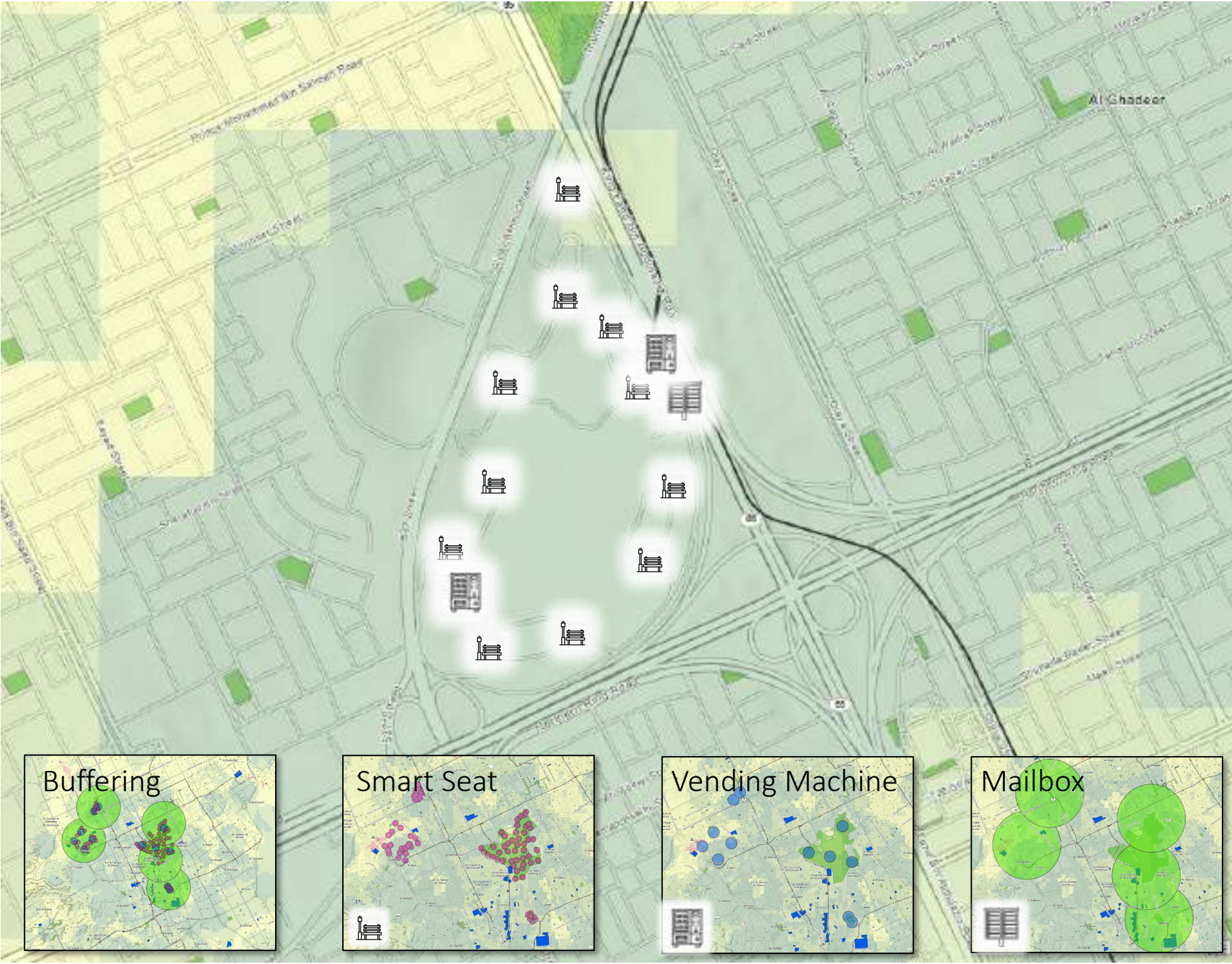


(KAFD) Metro Station

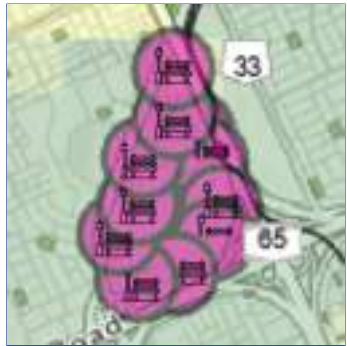
|             |                                |
|-------------|--------------------------------|
| Area        | 45,000 m2                      |
| Metro lines | 1, 4, 6, and the KAFD monorail |

Reference: KAFD.COM

# King Abdullah Financial District

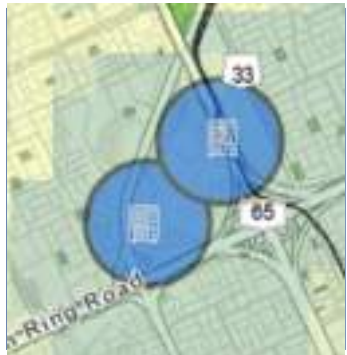


Smart Seat



11 

Vending Machine



2 

Mailbox



1 

أمانة منطقة الرياض  
RIYADH REGION MUNICIPALITY



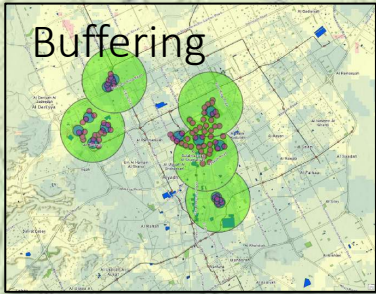
King Abdullah  
Park





|                               |                                    |
|-------------------------------|------------------------------------|
| Capacity                      | More than 35,000 person            |
| Area                          | 318,000 square meters green areas. |
| Celebrations and Performances | 12,000 square meters               |
| Event Building                | 1,160 square meters                |
| Lake Area                     | 13,000 square meters               |

Reference: [eservices.alriyadh.gov.sa](https://eservices.alriyadh.gov.sa)



# Smart Seat

# Vending Machine

A map of the Al-Malaz area in Baghdad, Iraq. Two overlapping blue circular zones are highlighted, representing the areas of interest for the study. The zones are centered on the Al-Malaz area, which is marked with a red dot and labeled 'Al-Malaz'. The map shows surrounding streets and landmarks.



# 8 Mailbox

# Outdoor Locker Tower Specifications

1 of 2 ( Continued on next page )

227 HIGH (UNLEVELED)



## 15-DOOR MAIN

- 15 doors.
- Touchscreen.
- Battery back-up.
- Surge protection and electronics.
- One main unit is required with every installation.

**Weight:** 250 kg



## 17-DOOR ADD-ON

- 2 large doors.
- 4 medium doors.
- 10 small doors.
- Add as many as you need.

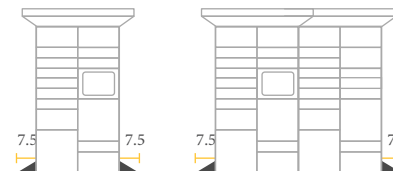
**Weight:** 250 kg



## 14-DOOR ADD-ON

- 14 medium doors.
- Add as many as you need.

**Weight:** 250 kg



*Brackets required on exposed sides of locker bank. Brackets add 7.5 width to locker bank footprint on each side.*

unit of measure in centimeters

# Outdoor Locker Tower Specifications

2 of 2 ( Continued from previous page )

227 HIGH (UNLEVELED)



## OVERSIZED

- 1 oversized door.
- Accepts 100% of parcels, including oversized and oddly-shaped packages.
- At least one of these units strongly recommended for every installation.

**Weight:** 145 kg



## 4-DOOR ADD-ON

- 4 extra-tall doors.
- Add as many as you need.

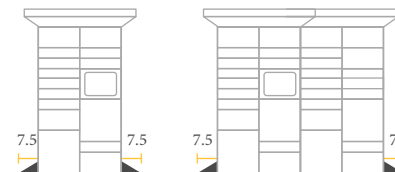
**Weight:** 182 kg



## 24-DOOR ADD-ON

- 4 medium doors.
- 20 small doors.
- Add as many as you need.

**Weight:** 182 kg

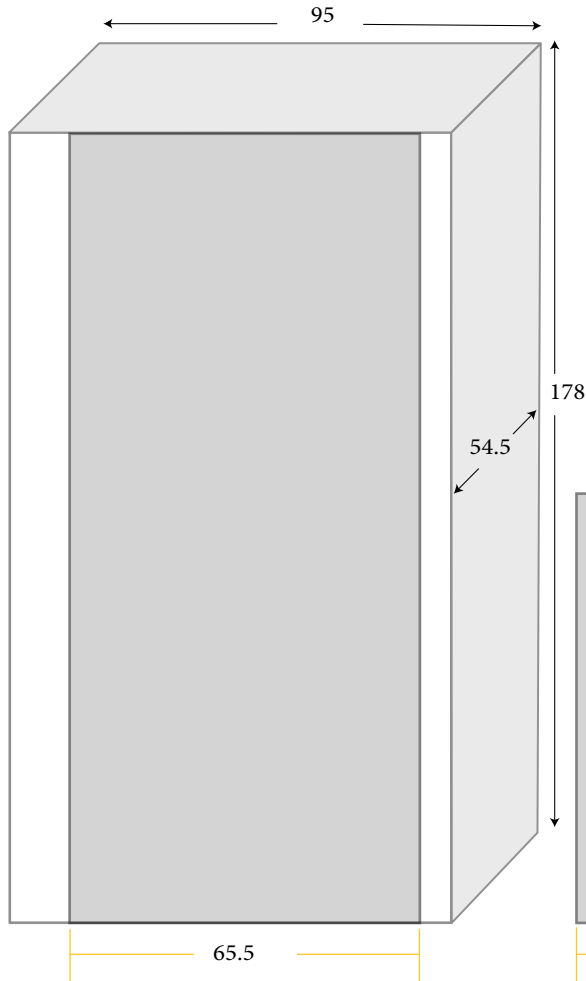


*Brackets required on exposed sides of locker bank. Brackets add 7.5 width to locker bank footprint on each side.*

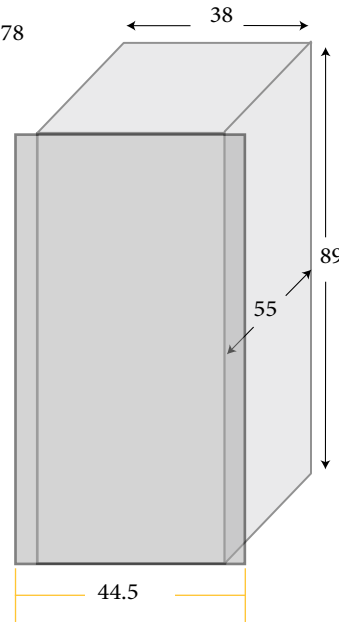
unit of measure in centimeters

# Locker Compartment Dimensions

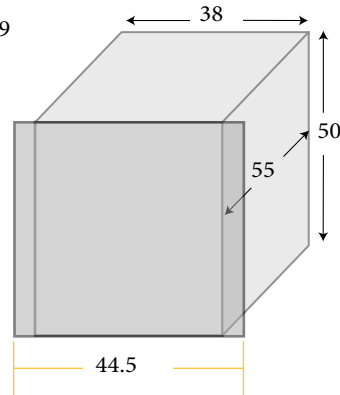
OVERSIZED



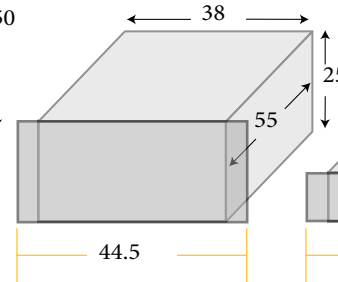
EXTRA-TALL



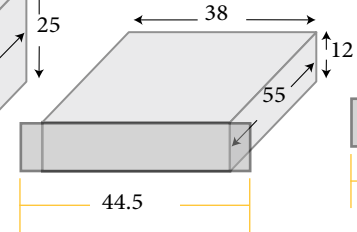
LARGE



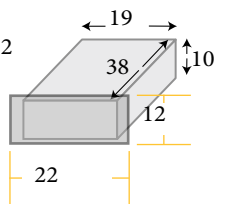
MEDIUM



SMALL



EXTRA SMALL



↔ COMPARTMENT DIMENSIONS  
└─┘ DOOR DIMENSIONS

unit of measure in centimeters



## TECHNICAL SPECIFICATIONS

## OUTDOOR LOCKERS

---

### Leveling

Leveling feet  
Outdoor mounting brackets

---

### Operating Temperature

(-20°C to 45°C)

---

### Humidity

0-95% RH, non-condensing

---

### Power Consumption

.7A nominal  
6.25 peak\*

\*Based on single row of up to 8 locker towers including Main

---

### AC Voltage

Recommended: 220VAC  
Minimum: 110VAC  
50/60Hz nominal

---

### Ethernet/Data

Minimum upload speed: 1.5MB  
DHCP connection with open port preferred

*Cellular and WiFi connectivity options available as an alternative to Ethernet*

# Outdoor Lockers: What's Included



## Roof Package

- Required for outdoor installs, unless located under an enclosed area.
- Protects unit from the elements.
- Provides mount for LED lights for nighttime illumination.
- Provides mount for surveillance cameras.



## Electronics Package

- Protects the computer from extreme heat and cold.
- Seals the electronics bay contained in the main unit, and provides airflow and temperature modulation.



## Camera Package

- Weather-proof outdoor-compliant camera.
- Mounts to roof package.



## Outdoor Mounting Package

- Brackets included for anchoring towers to the concrete pad.
- Requires use of concrete anchors.

*Please notify us if your installation site is located in an extreme weather region.*

# Outdoor Lockers: Installation Requirements

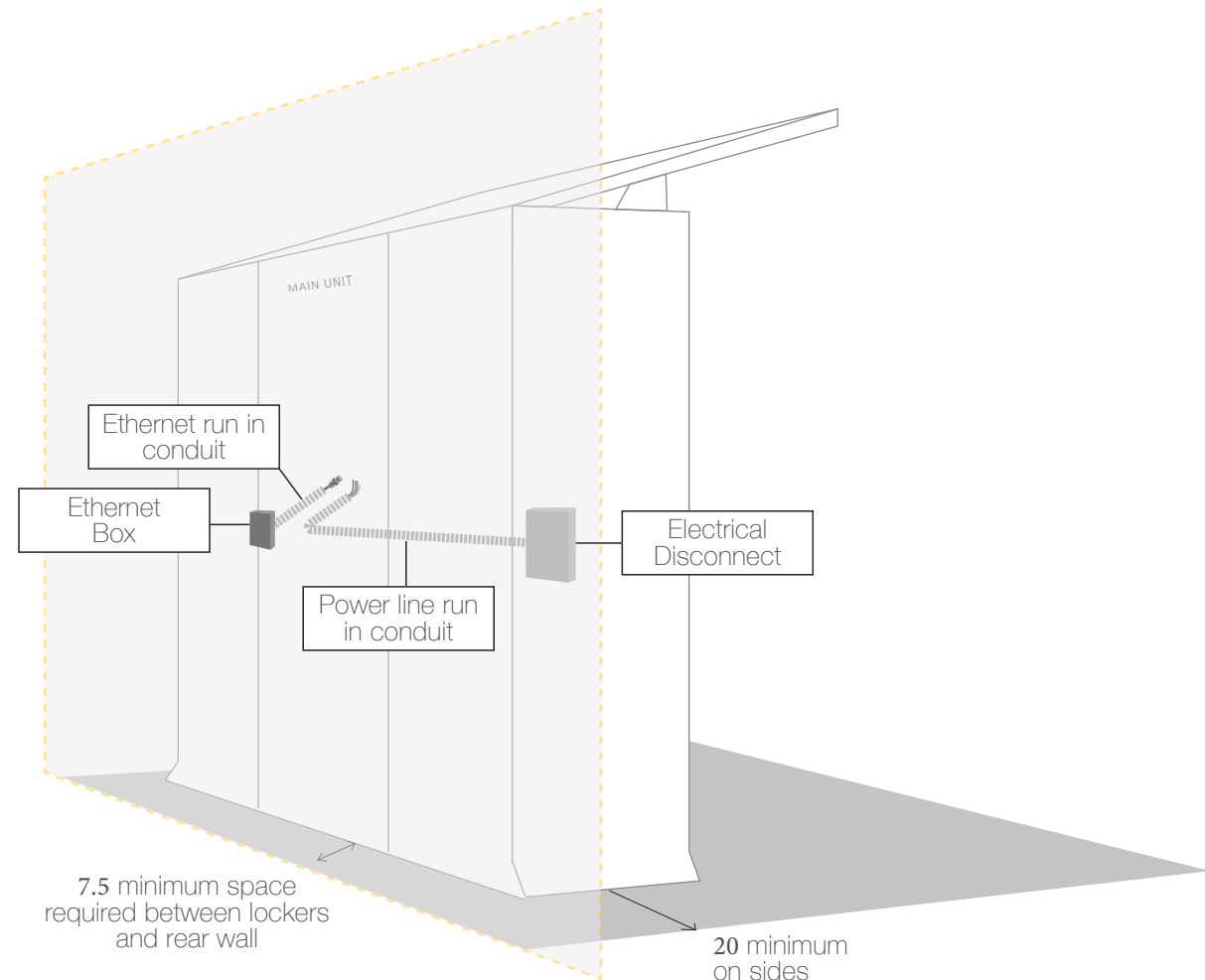
## Power & Data

- Power: 220 VAC, 50/60Hz from 20A electrical disconnect. Outdoor-rated #12 electrical wire run from an accessible outdoor-rated disconnect in 3/4" conduit. Electrician must be onsite to complete connectivity.
- Ethernet: Outdoor-rated CAT6 cable run in 3/4" conduit. Ethernet cable terminated with an RJ45 tip.
- Cellular connectivity option available as an alternative to ethernet.

## Video Surveillance

One provides 24/7 video surveillance.

- One (1) surveillance camera is included.
- One camera needed for every four lockers.
- Footage is available for ten (10) days.
- Your team may request footage directly from your Luxer One Account Representative.



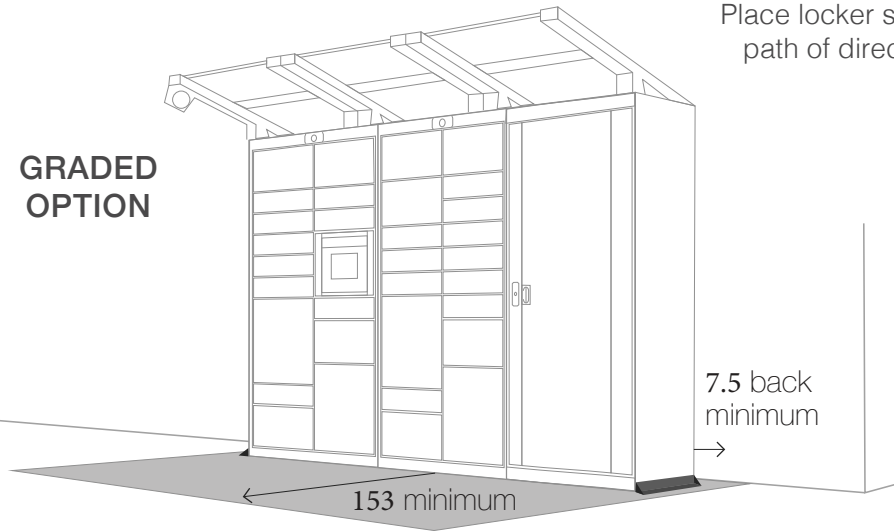
*For illustrative purposes only. Refer to site-specific floorplan.*

# Outdoor Lockers: Location Options

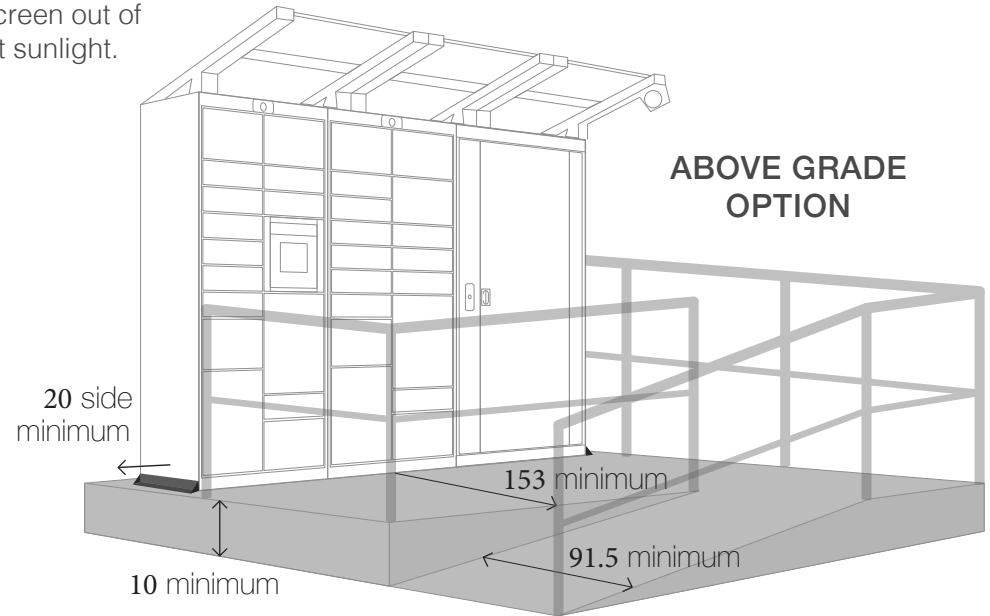


Place locker screen out of path of direct sunlight.

**GRADED  
OPTION**



**ABOVE GRADE  
OPTION**



## Concrete Pad Installation Requirements

- Sides: 20 required on each side of locker bank for mounting feet and anchors.
- Back: 7.5 required for power connections, network connectivity, and airflow.
- Front: Minimum of 60" of free space in front of lockers for ADA compliance.
- If above grade, ramp required for ADA accessibility.
- Maximum drainage slope of level pad not to exceed rise or fall of more than 3.8.

**A concrete pad or equivalent surface is required.**

unit of measure in centimeters



جامعة الجميع الذكية  
Everyone's Smart University

# Smart Street Solution Company

---

**Supervised by**

**Dr. Walied Soliman**



|          |            |             |            |        |            |
|----------|------------|-------------|------------|--------|------------|
| Fahad    | 2021206250 | Abdulfattah | 2021206225 | Basma  | 2021206282 |
| Yousef   | 2021204184 | Yasser      | 2021206343 | Majed  | 2021206371 |
| Mohammed | 2021204163 | Mousa       | 2021200333 | Marwan | 2021206089 |

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| Smart Solution Products                 | 17 |
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| Finance and Fund                        | 19 |
| Project Constraints                     | 20 |
| Risks                                   | 21 |

## The goals of 2030 Vision is:

- stimulates a vibrant society
- a thriving economy
- an ambitious nation

## The thought of using modern technology to improve the quality of life led to three ideas:

- coordinating between shipping companies and endusers
  - ↳ smart mail boxes
- improve the public open space seats
  - ↳ smart seats
- provide food and drink goods in open spaces
  - ↳ smart vending machines

Thus, stakeholders have decided to establish SSSC

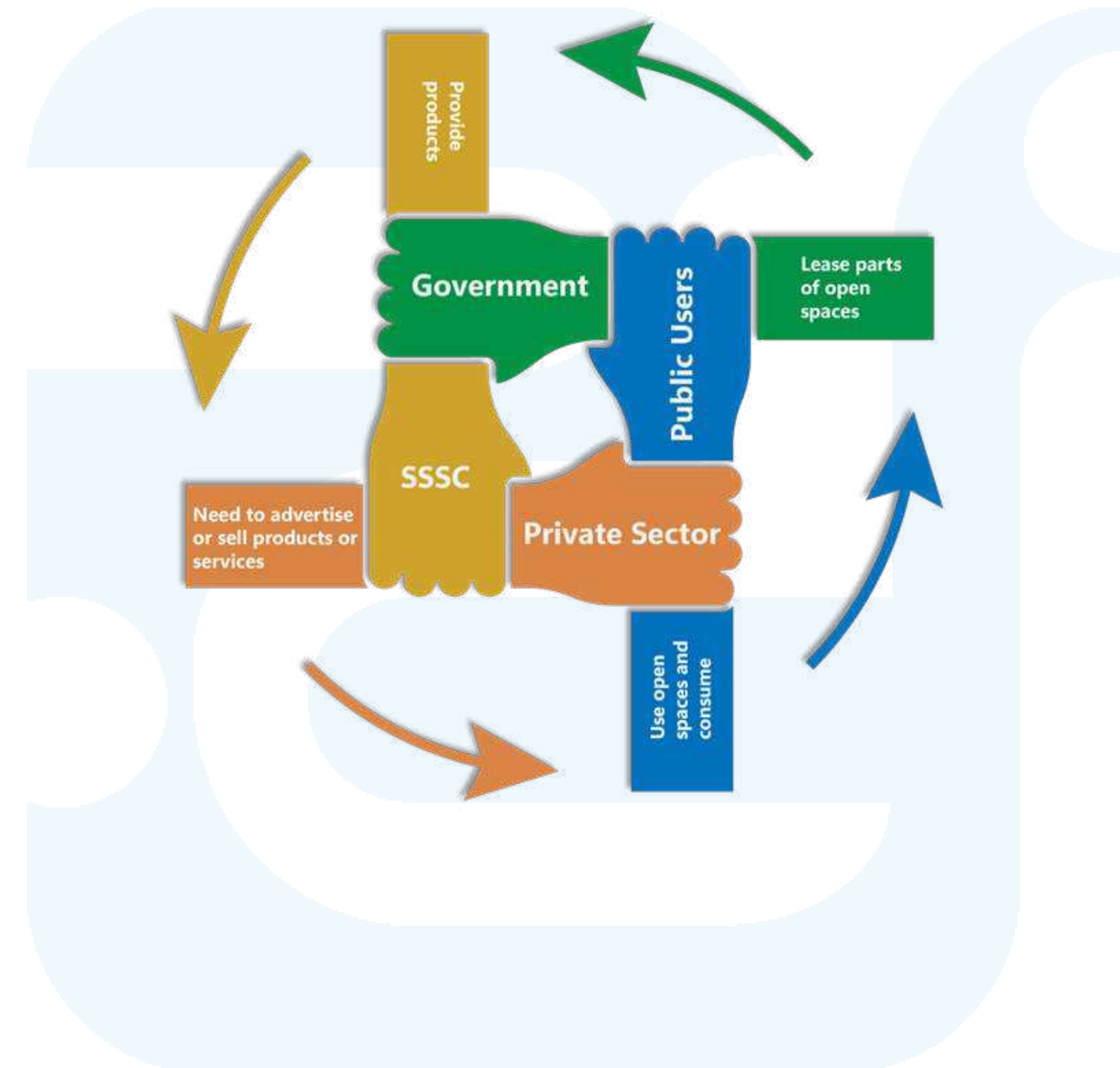
# Vision and Mission Statements

## SSSC's Vision:

The board of Smart Saudi solutions Company vision is to establish a long-term customer from public or private sectors to provide a better experience in the public and private open spaces aiming easy, smart, self-served, available, weather adopted, well designed and use friendly street furniture.

## SSSC's Mission:

The board of Smart Saudi solutions Company's mission is to create innovative smart street furniture solutions that promote the use of public and private open spaces for public users in a more sustainable manner with high standard. Furthermore, this is through providing trades between government and private sectors to create opportunities to sell or advertise their products or services.

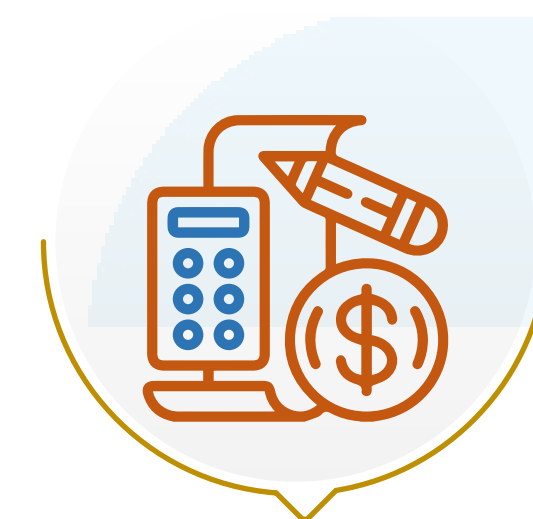




Quality of life



Thriving economy



UI & UX design



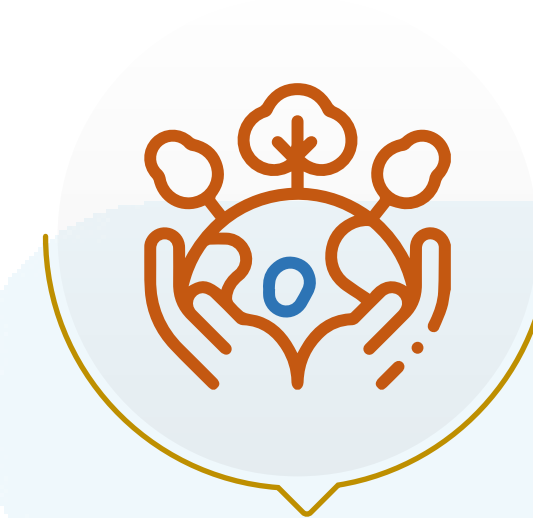
Vibrant society



Ambitious nation



Low-cost & High-Quality



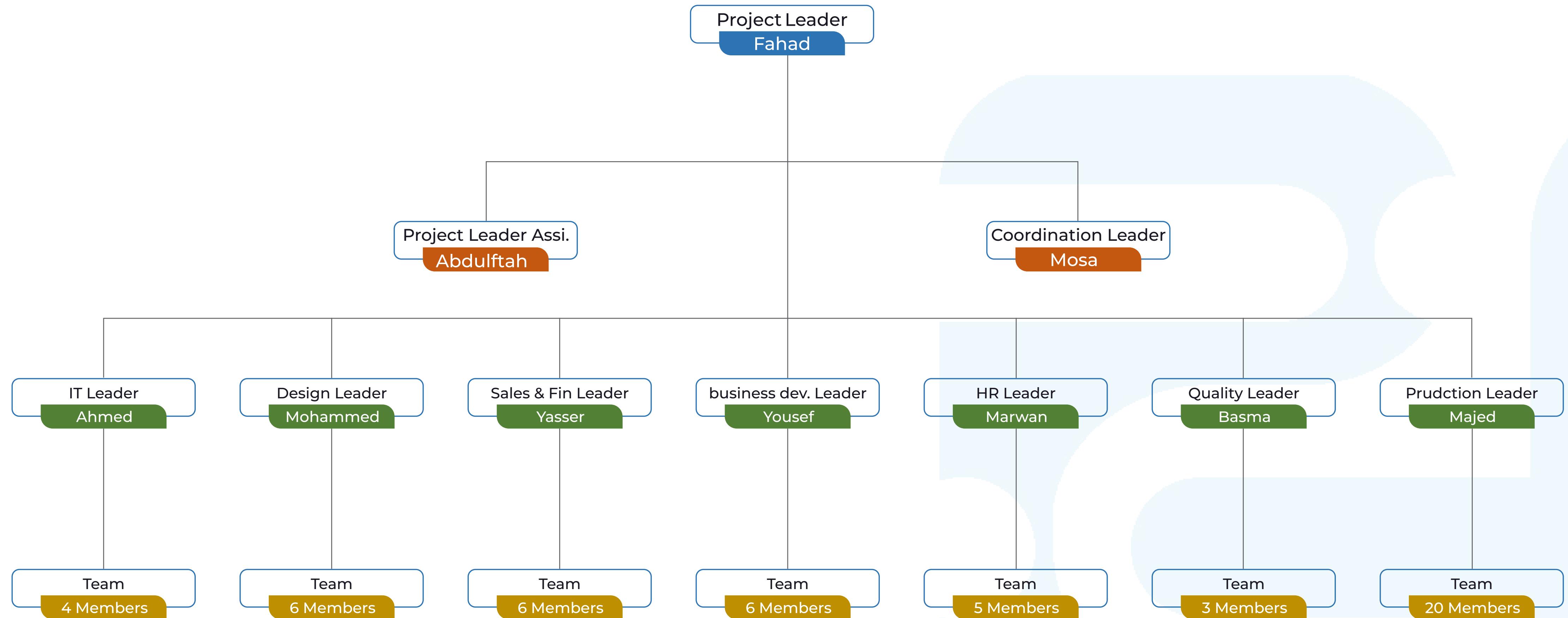
Sustainability & Environmentally

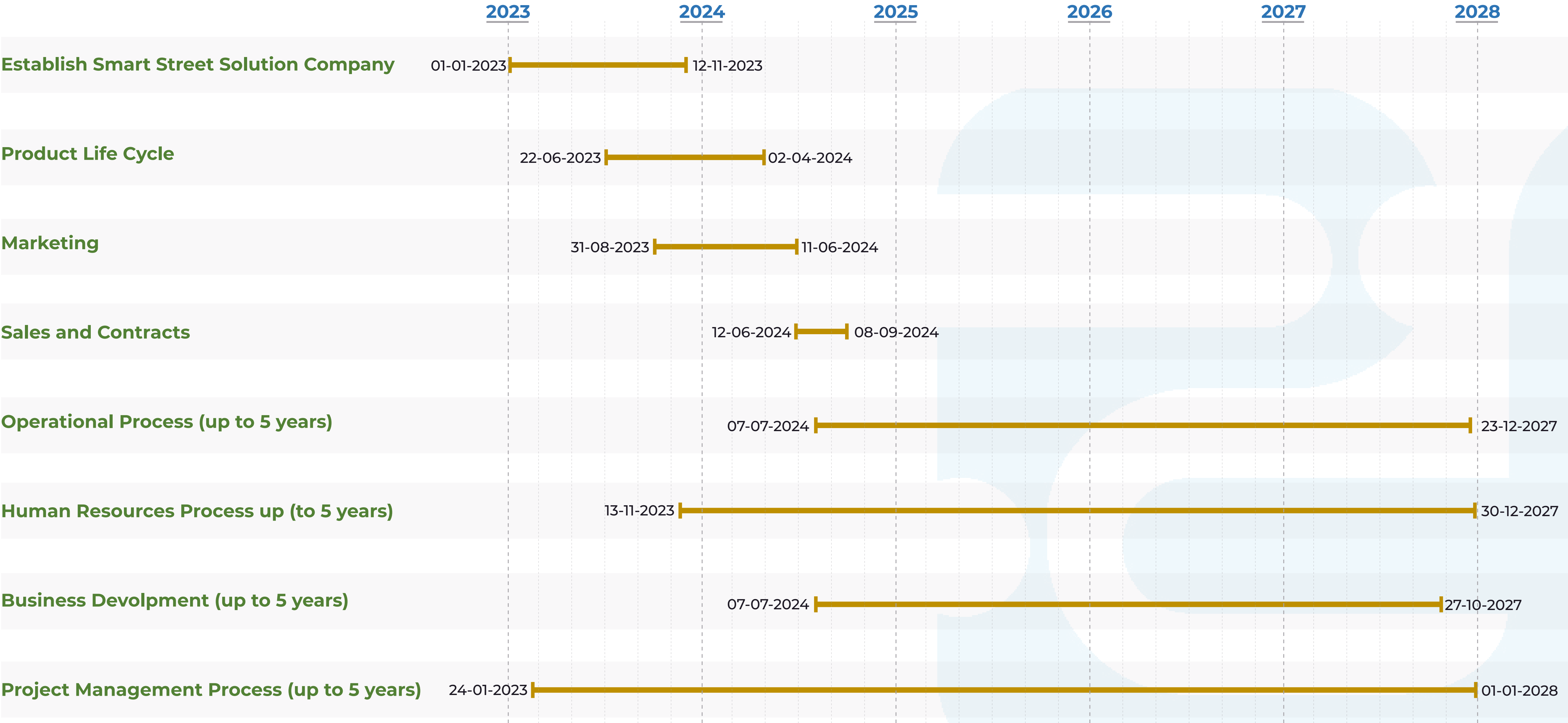
- The main objective is to establishing a Smart Street Solution Company to create three innovative smart street furniture in one year.
- Financial objective is to reach the breakeven point in the first two years and increase sales by accumulative %20 annually for the first 5 years.
- Customer objective is to Meet the customers expectation of using smart street furniture in terms of design, availability, maintenance, easy use, adoptability, safety, legally and development through a regular public surveys and business development department questioning customers experiences every 4 months.
- Internal process is to Create a smart adoptive flexible system as well as finding gaps and full filling it; by a weekly dashboard to monitor and control the work flow cycle and updating the system by smart innovative ideas to meet customer needs and company objectives.
- Learning and Growth is to develop personal careers by training courses and workshops to improve the skills and the mentality of the workforce including high management and the workers on weekly, monthly and yearly base.

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                        |                                                                                                                                                            |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Name:                           | Smart Street Solutions Company (SSSC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                        |                                                                                                                                                            |
| Project Description                     | The project is to establish Smart Street Solution Company to build Smart Street furniture solutions for open spaces by opening trades between public and private sector.                                                                                                                                                                                                                                                                                                                                                                      |                                                                                        |                                                                                                                                                            |
| The need of the project (business case) | The project is required to create a suitable and innovative street furniture to increase the use of public open spaces and to open new business opportunity for public and private sectors.                                                                                                                                                                                                                                                                                                                                                   |                                                                                        |                                                                                                                                                            |
| The measurable goals of the project     | » Establishing SSSC<br>» Finish the full business model for three business lines which are Smart mailbox, smart public seats and smart vending machines in the next 6months.<br>» Patterning up with public and private sector 6month from now to the end of the 5 years.<br>» Develop and increase our products and production lines<br>» Develop and implement a training plan for every member in the company<br>» Reach the breakeven point in the first two years and increase sales by accumulative 20% annually for the first 5 years. |                                                                                        |                                                                                                                                                            |
| The requirement of the project          | Location Requirements:<br>» Assembly plant warehouse<br>» Meeting room<br>» Offices facilities<br>» Food and rest area<br>» Clinic<br>» Storage areas                                                                                                                                                                                                                                                                                                                                                                                         | Human resources:<br>» Managers<br>» Supervisors<br>» Workers<br>» Drivers<br>» A nurse | Other requirements:<br>» Assembly equipment<br>» Transportation automobiles<br>» Lifting automobiles<br>» Safety equipment<br>» Outsourcing fixed products |
| deliverables and outcomes               | » Design drawings<br>» Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | » Smart street furniture:<br>Mailbox; Vending machines; Smart seats                    |                                                                                                                                                            |
| General Risk of the project             | » High start up cost<br>» Outsourcing delays and miscommunication<br>» Not conforming with Government requirement                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                            |
| Timeline of the project                 | » From Jan. 2023<br>» To Jun. 2028                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                                                                                                                                                            |
| Summary Budget                          | » SR 2,500,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                        |                                                                                                                                                            |
| Authorized and sponsor Name             | • Eng. Mohammed Alsaqa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                        |                                                                                                                                                            |
| Project Manager Name                    | • Eng. Fahad Almawash                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                        |                                                                                                                                                            |
| Email:                                  | • <a href="mailto:M.Alaqa@SSSC.com">M.Alaqa@SSSC.com</a><br>• <a href="mailto:F.Almawash@SSSC.com">F.Almawash@SSSC.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                        |                                                                                                                                                            |
| Phone Numbers                           | • 0545454545                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                        |                                                                                                                                                            |

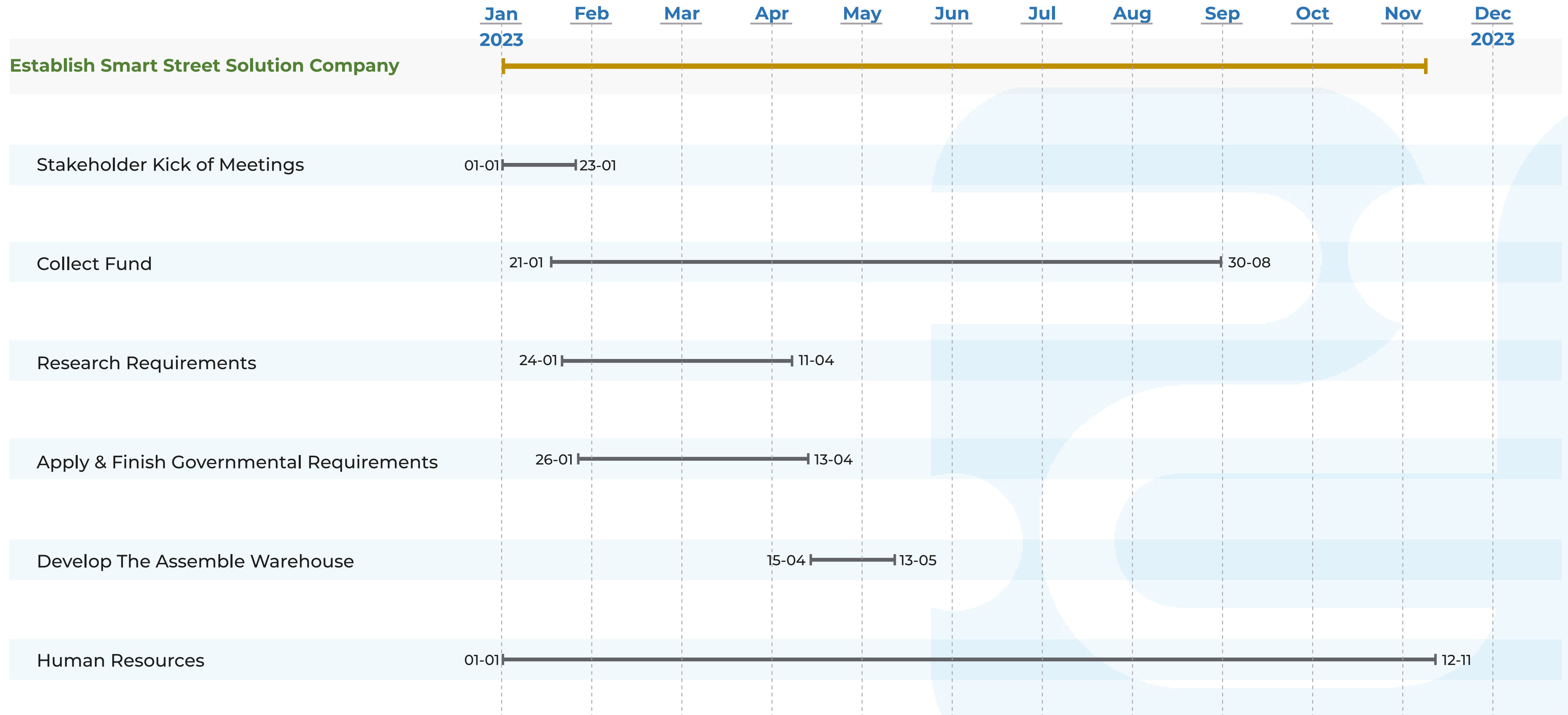


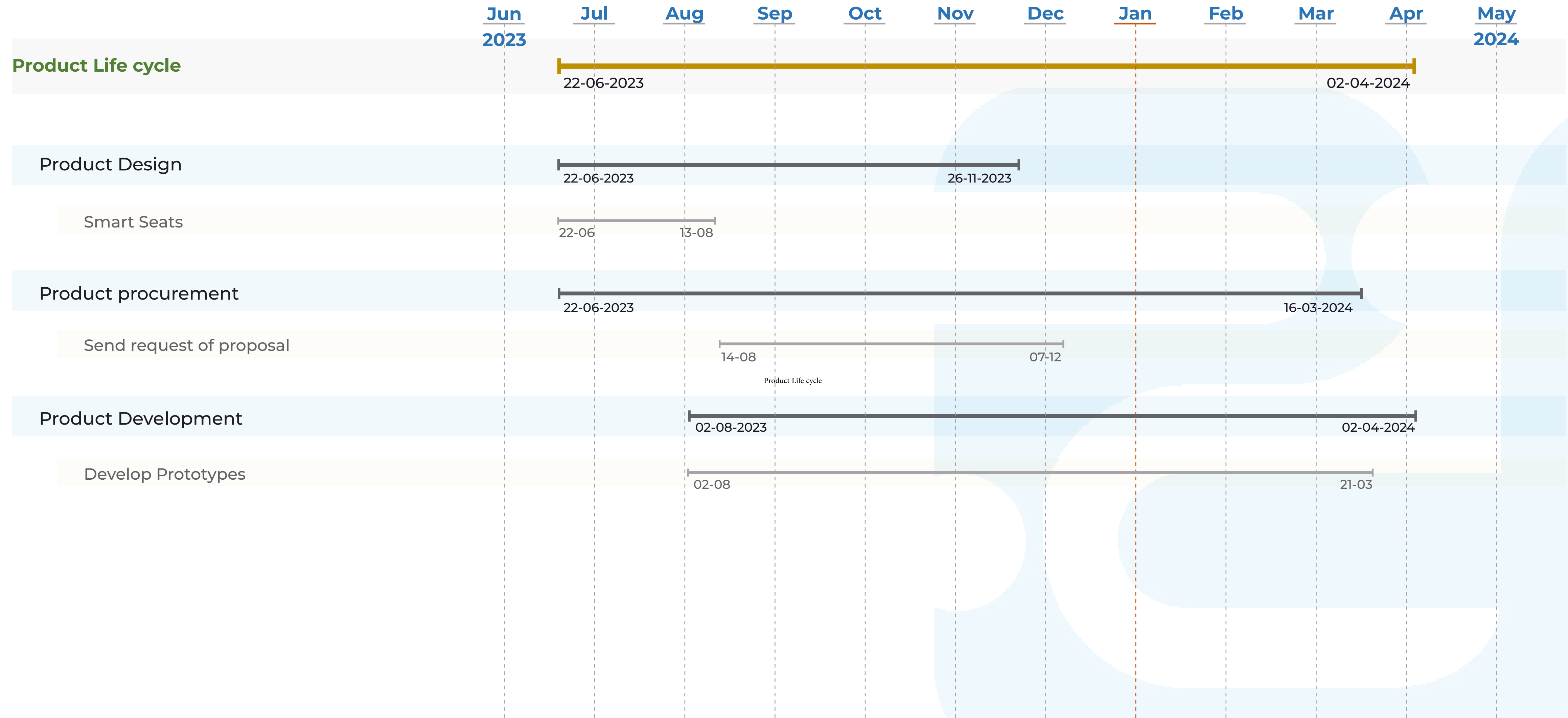
# Organizational Structure

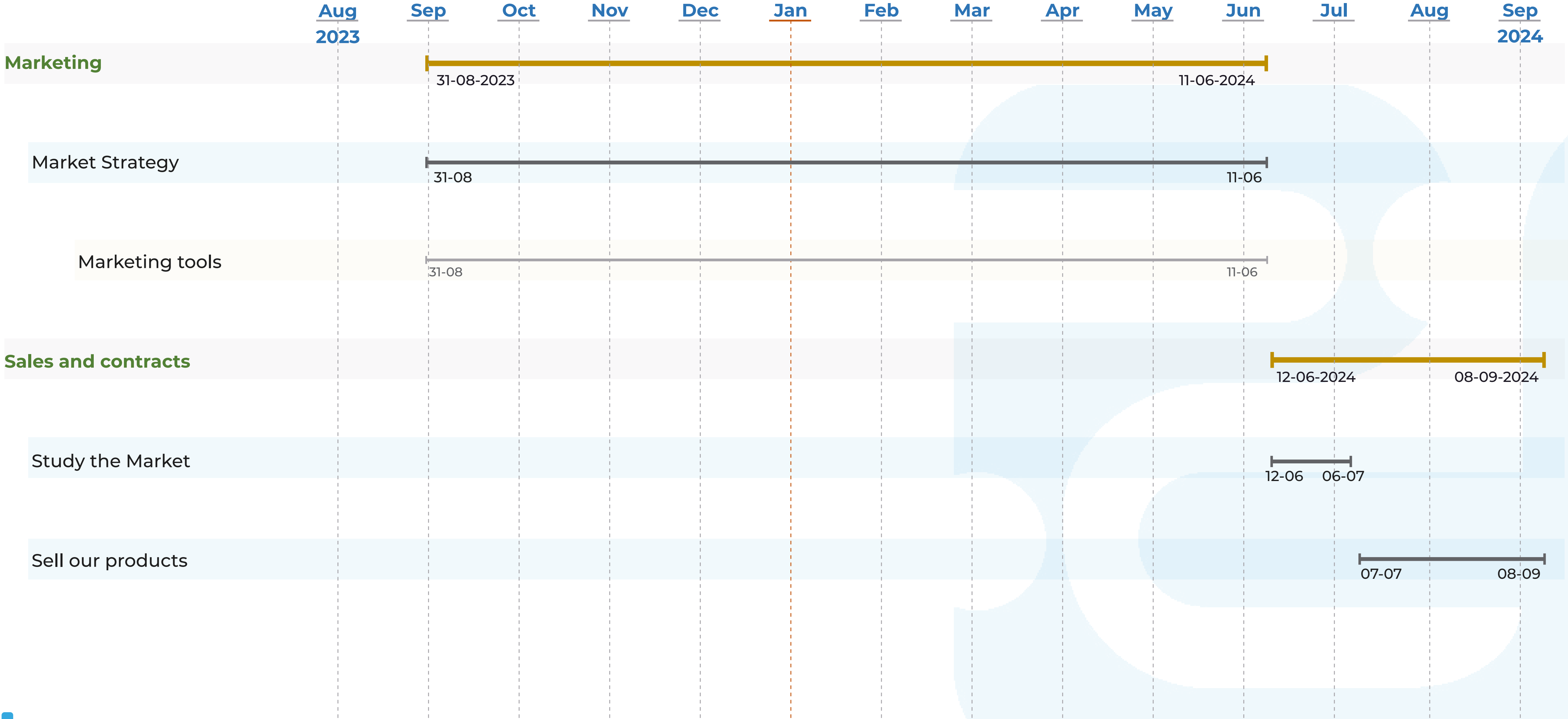




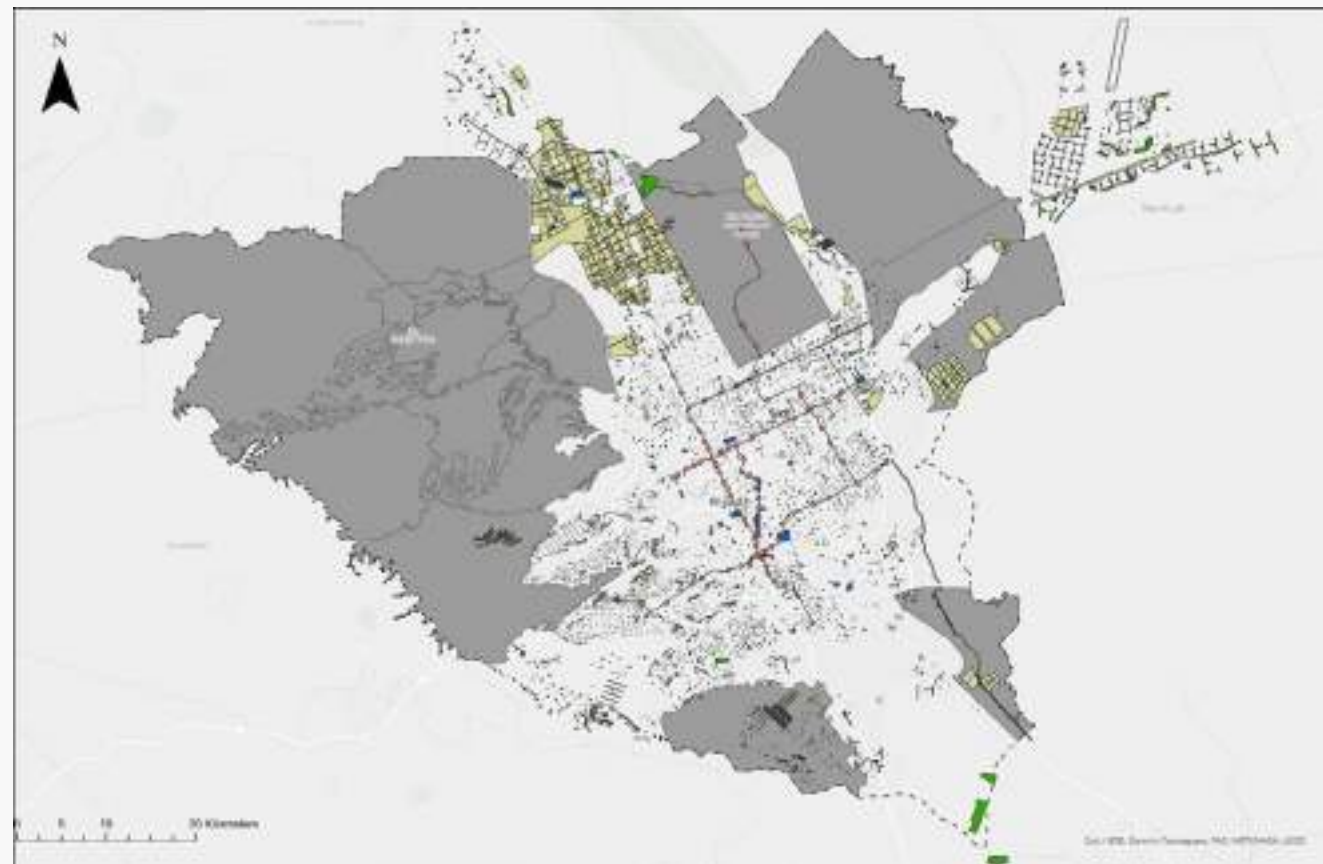
# Establish Smart Street Solution Company





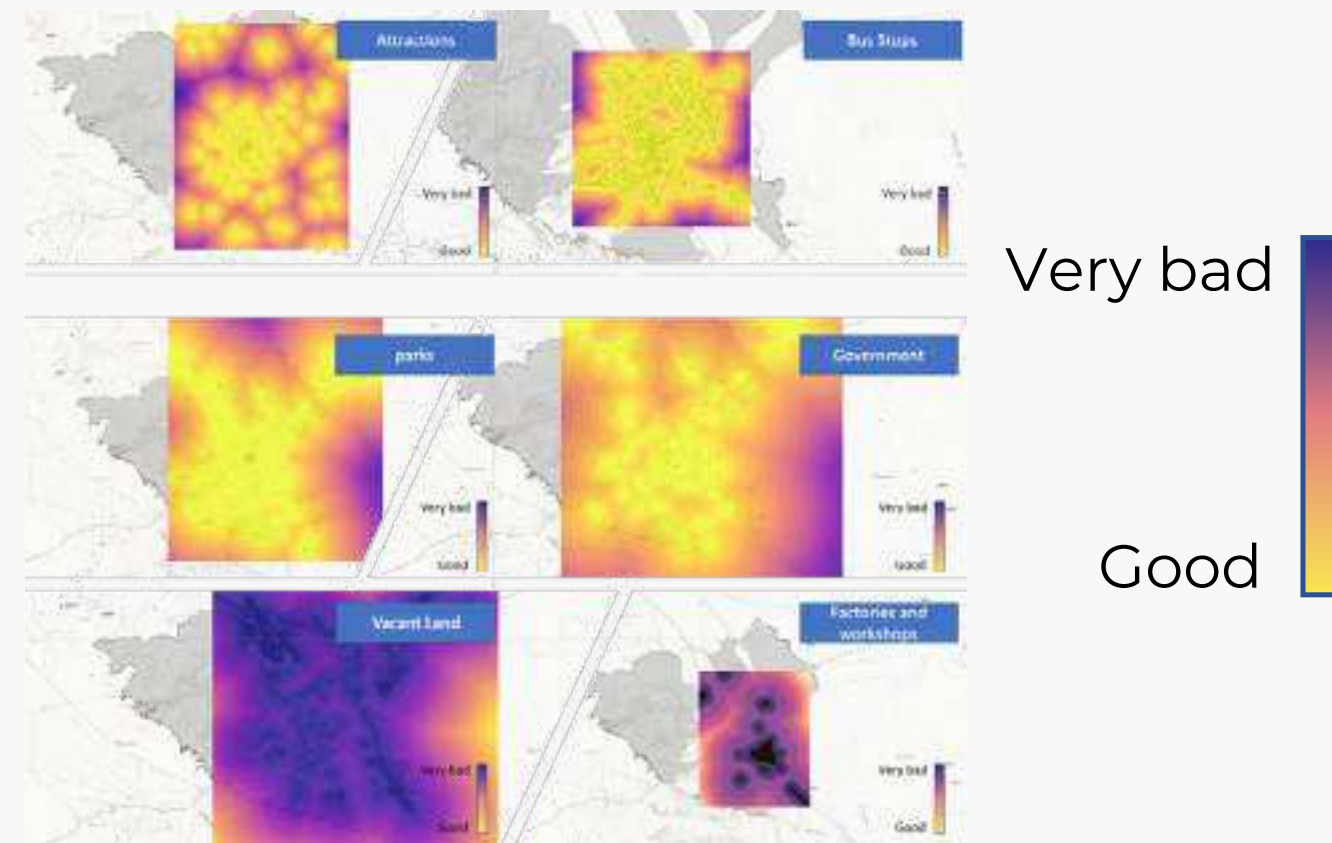


## Input



- Governmental ■
- Entertaining ■
- Low Density ■
- Metro Lines —
- Landmarks ▼
- Urban Boundaries ┌─┐

## Euclidean Distance



Attractions

Bus Stops

Un-desired

Factories and workshops

Low Density Areas

Metro Stations

parks

Government

## Reclassify



Attractions

Bus Stops

Un-desired

Factories and workshops

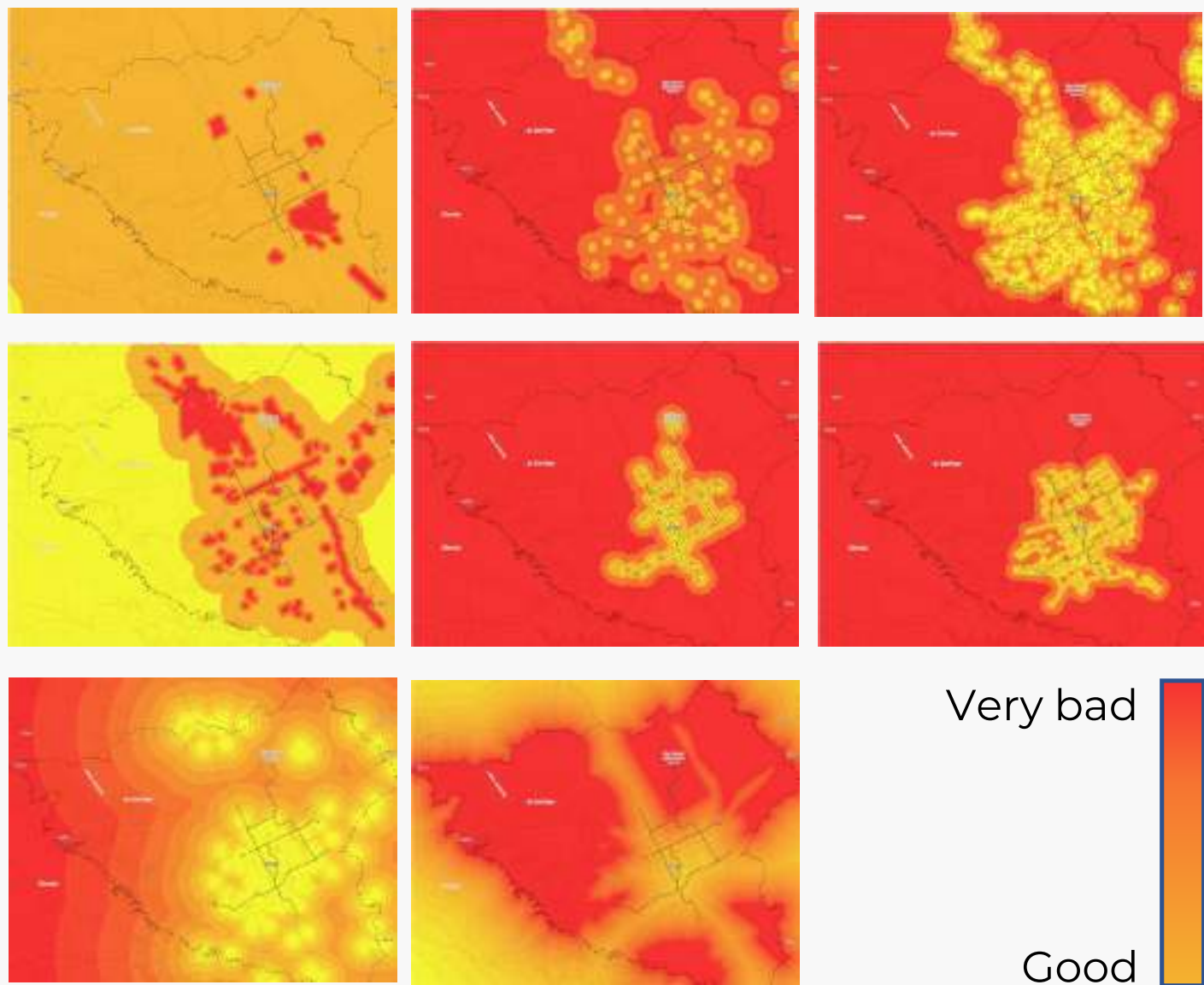
Low Density Areas

Metro Stations

parks

Government

## Weighted Overlay



## Output

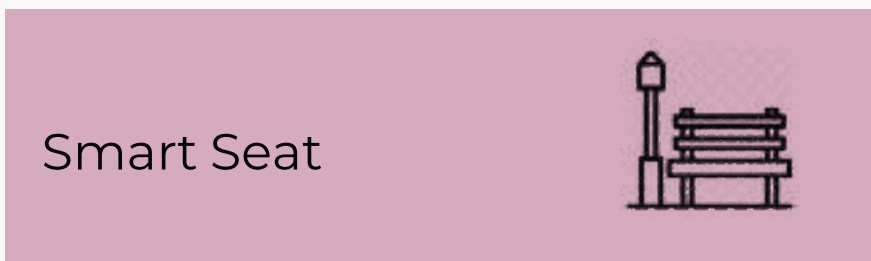


The analysis result:  
Determining the best sites to place the products.

Very bad

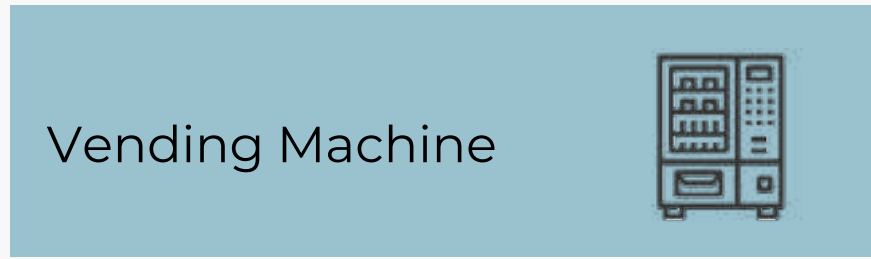
Good

## Buffering



250 /M

Service cover



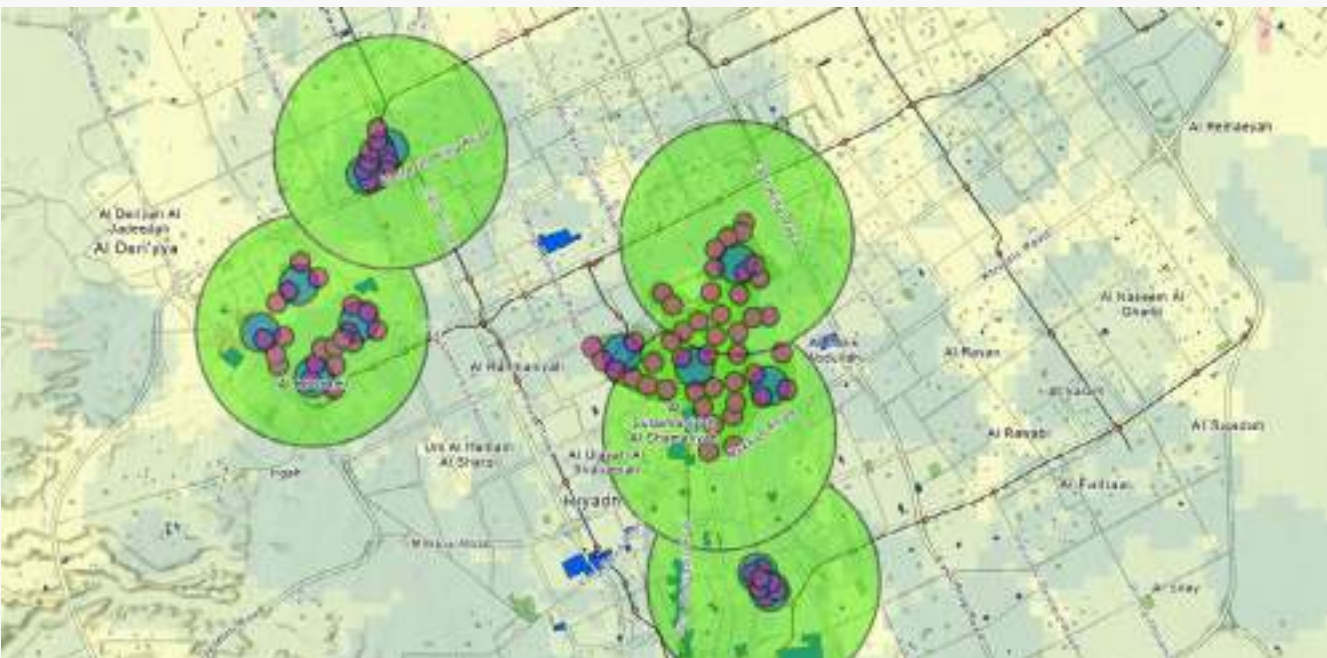
500 /M

Service cover



2000 /M

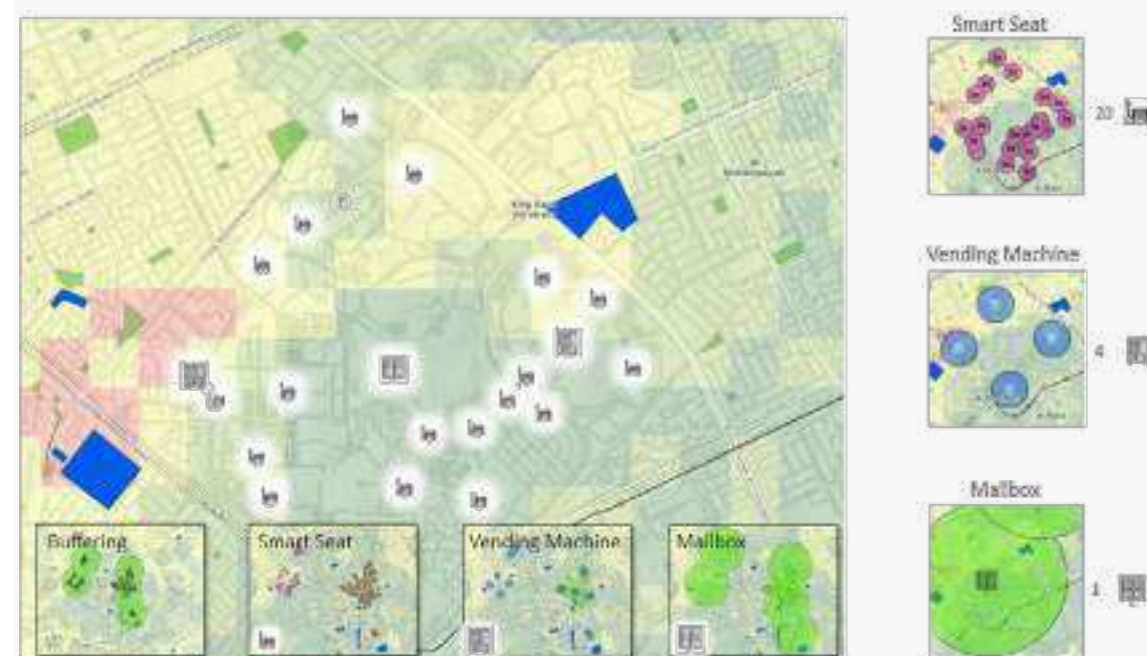
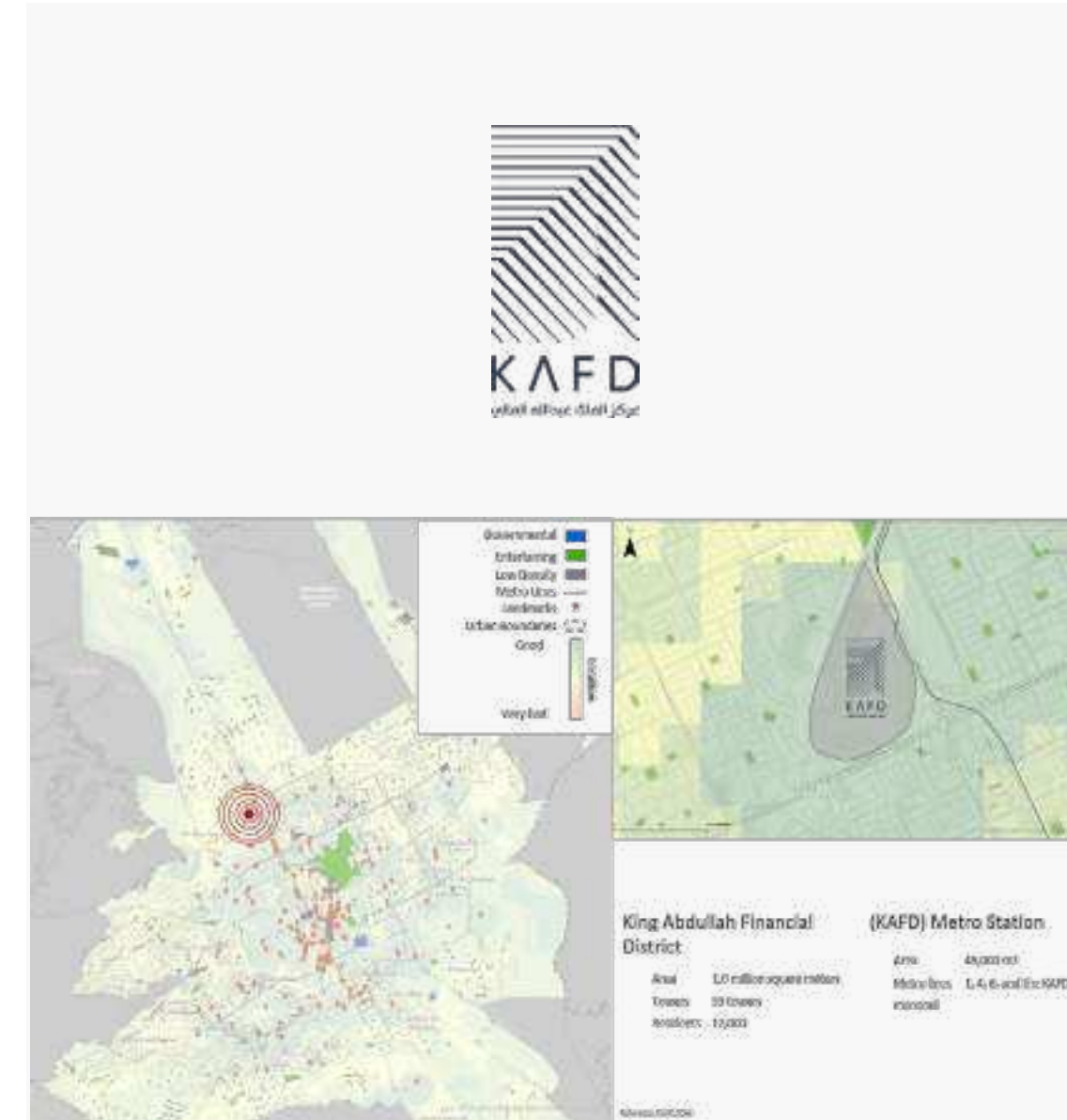
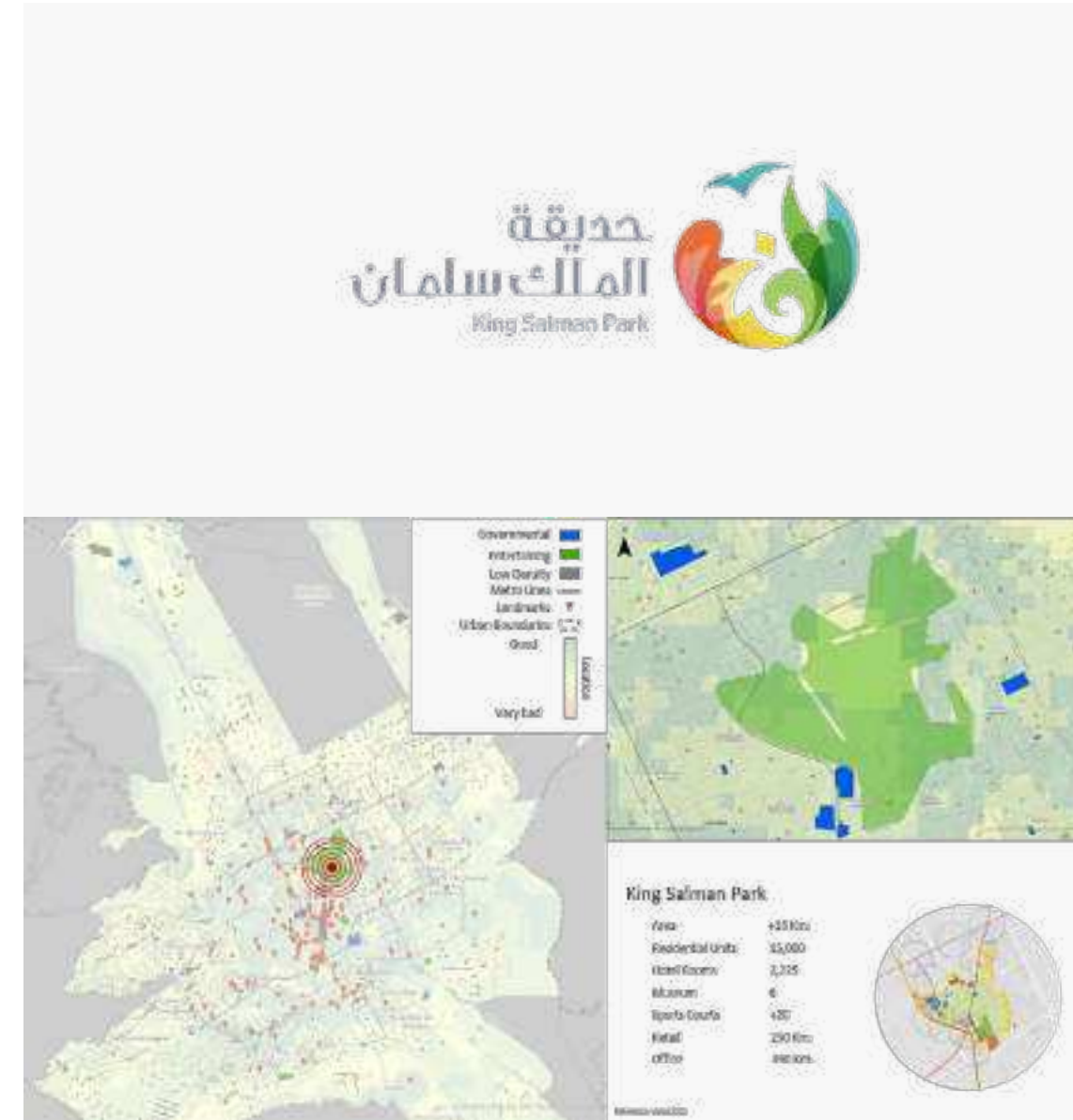
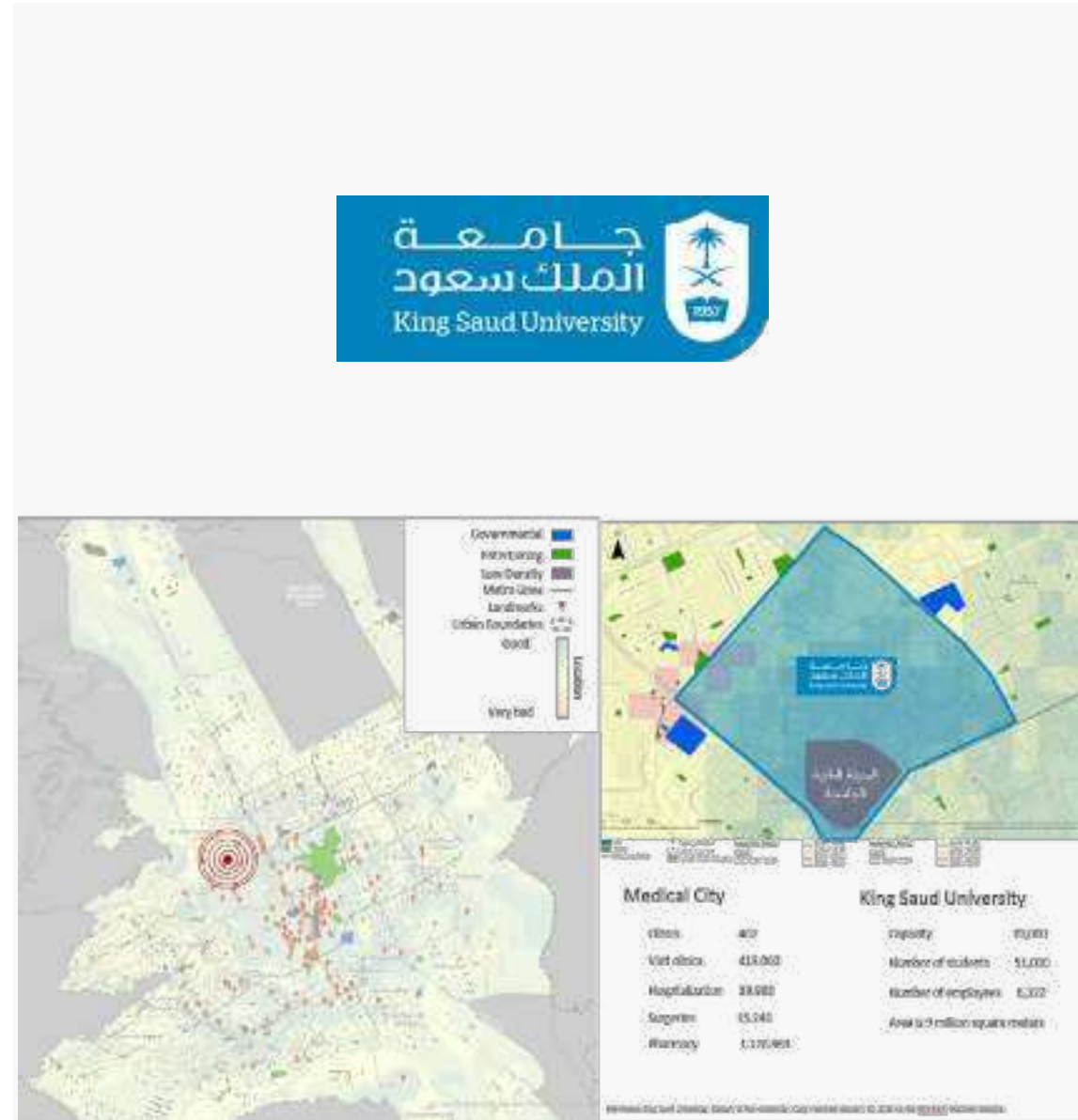
Service cover



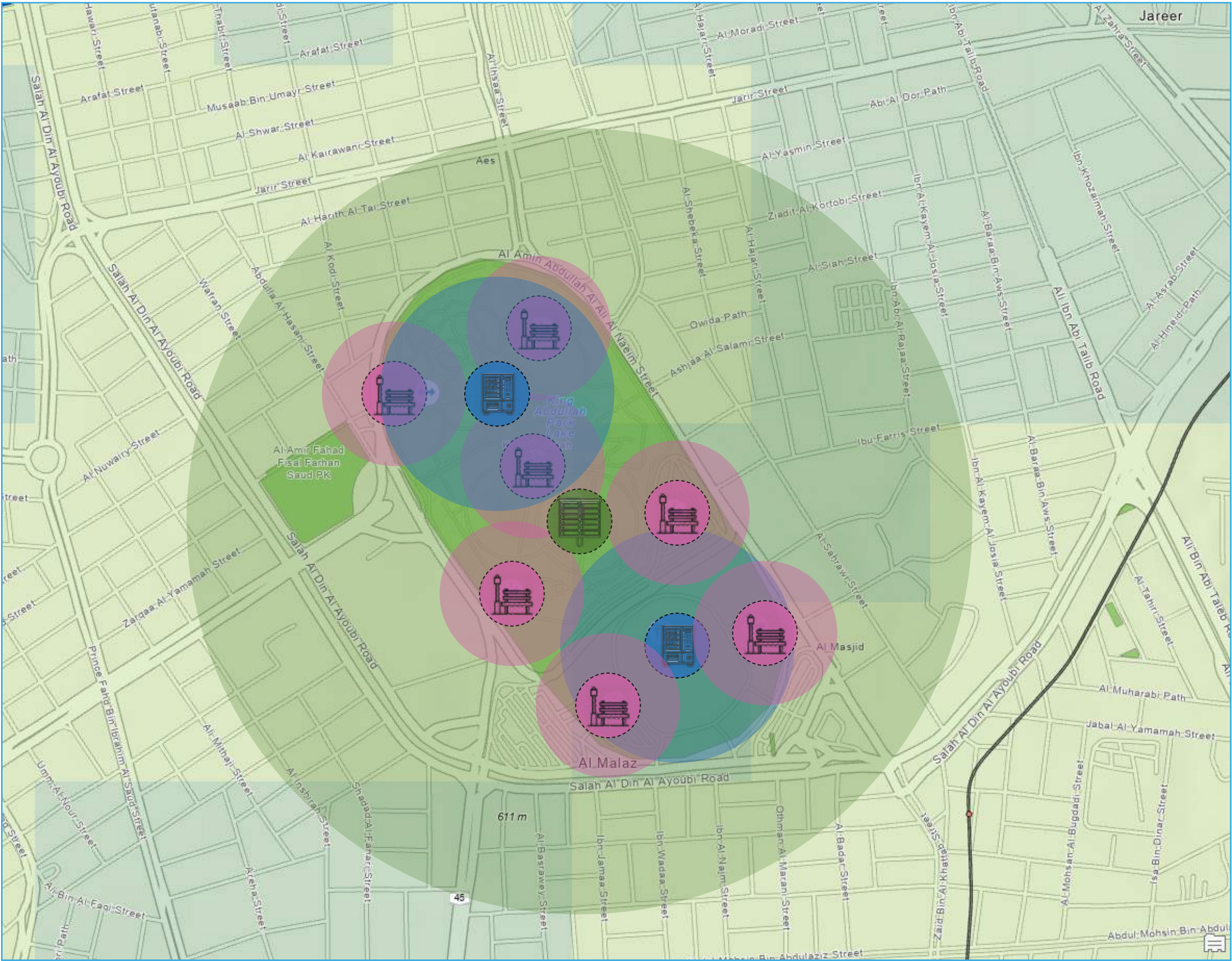
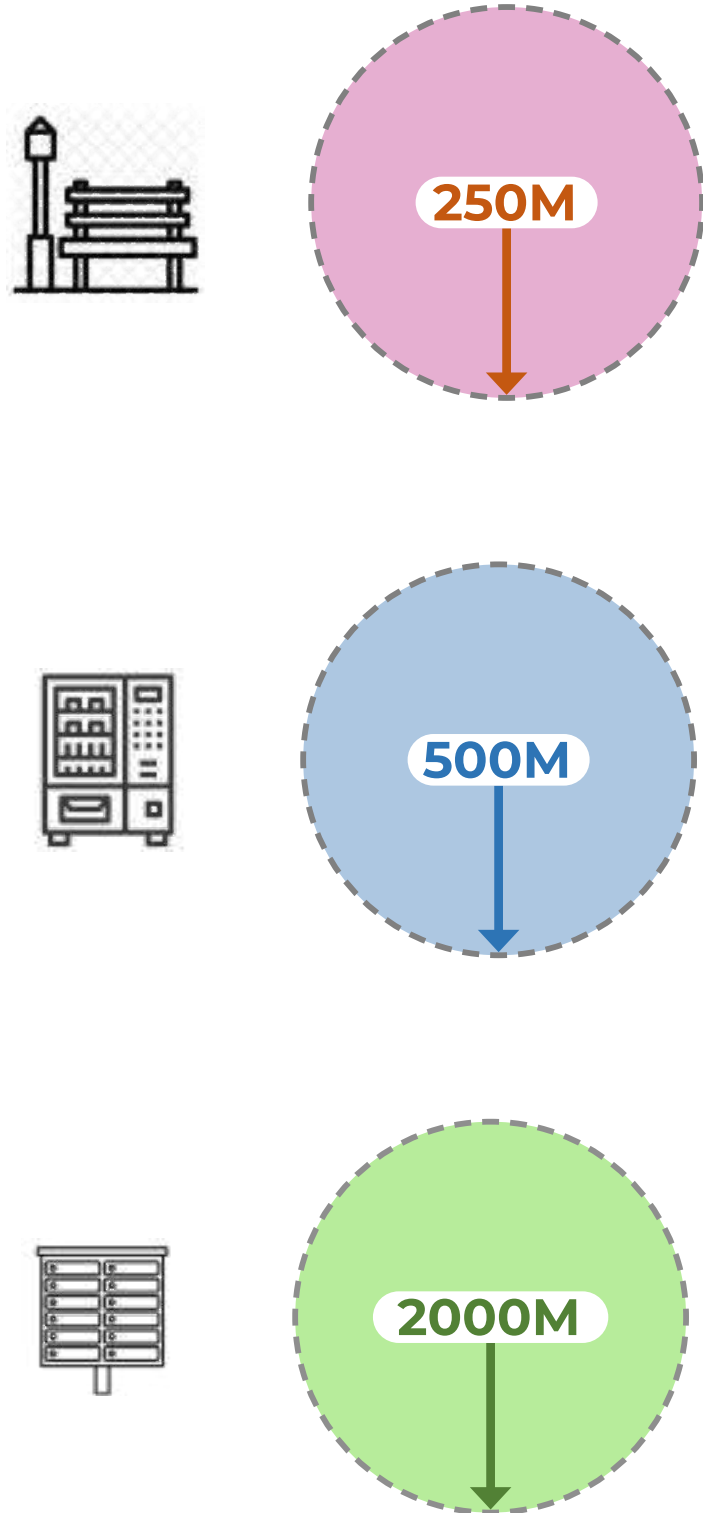
|                      |    |  |   |  |   |  |
|----------------------|----|--|---|--|---|--|
| King Saud University | 20 |  | 4 |  | 1 |  |
| King Salman Park     | 44 |  | 4 |  | 2 |  |
| KAFD                 | 11 |  | 2 |  | 1 |  |
| King Abdullah Park   | 7  |  | 2 |  | 1 |  |



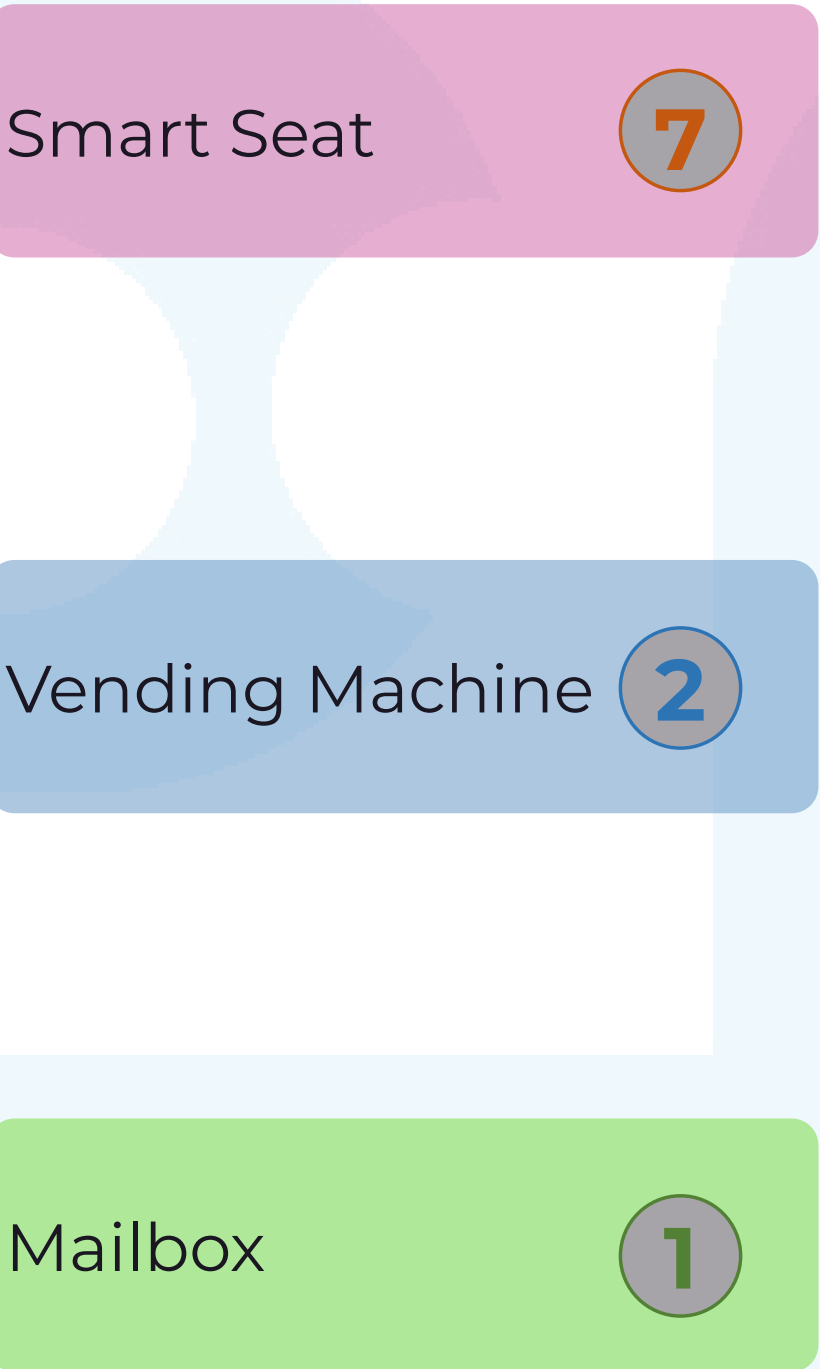
# GIS Spatial Analysis



## ServiceCover:



## Number of Product:



## Smart Seat:



3D View

## Smart Mailbox:



## Smart Vending Machine:



3D View

| second year<br>Sales | Number of Units |                 |                 | Cost Per Unit  |                   |                   | Sales Per Month  |                     |                     | Sales Per Year  |                    |                    | total      |
|----------------------|-----------------|-----------------|-----------------|----------------|-------------------|-------------------|------------------|---------------------|---------------------|-----------------|--------------------|--------------------|------------|
|                      | Unit<br>Seat    | Unit<br>Vinding | Unit<br>Mailbox | Seat<br>(SR/u) | Vinding<br>(SR/u) | Mailbox<br>(SR/u) | Seat<br>(SR/mon) | Vinding<br>(SR/mon) | Mailbox<br>(SR/mon) | Seat<br>(SR/yr) | Vinding<br>(SR/yr) | Mailbox<br>(SR/yr) |            |
| KSU                  | 20              | 4               | 1               | 20,000         | 18,000            | 19,000            | 400,000          | 72,000              | 19,000              | 4,800,000       | 864,000            | 228,000            | 8,232,000  |
| KAP                  | 7               | 2               | 1               | 20,000         | 18,000            | 19,000            | 140,000          | 36,000              | 19,000              | 1,680,000       | 432,000            | 228,000            |            |
| total                |                 |                 |                 |                |                   |                   | 540,000          | 108,000             | 38,000              | 6,480,000       | 1,296,000          | 456,000            |            |
| Tax                  |                 |                 |                 |                |                   |                   |                  |                     |                     |                 |                    |                    | 1,234,800  |
| total with tax       |                 |                 |                 |                |                   |                   |                  |                     |                     |                 |                    |                    | 9,466,800  |
| third year<br>Sales  | Number of Units |                 |                 | Cost Per Unit  |                   |                   | Sales Per Month  |                     |                     | Sales Per Year  |                    |                    | total      |
|                      | Unit<br>Seat    | Unit<br>Vinding | Unit<br>Mailbox | Seat<br>(SR/u) | Vinding<br>(SR/u) | Mailbox<br>(SR/u) | Seat<br>(SR/mon) | Vinding<br>(SR/mon) | Mailbox<br>(SR/mon) | Seat<br>(SR/yr) | Vinding<br>(SR/yr) | Mailbox<br>(SR/yr) |            |
| KSU                  | 20              | 8               | 2               | 25,000         | 22,000            | 21,000            | 500,000          | 176,000             | 42,000              | 6,000,000       | 2,112,000          | 504,000            | 16,356,000 |
| KAP                  | 7               | 4               | 2               | 25,000         | 22,000            | 21,000            | 175,000          | 88,000              | 42,000              | 2,100,000       | 1,056,000          | 504,000            |            |
| KAFD                 | 11              | 2               | 1               | 25,000         | 22,000            | 21,000            | 275,000          | 44,000              | 21,000              | 3,300,000       | 528,000            | 252,000            |            |
| total                |                 |                 |                 |                |                   |                   | 950,000          | 308,000             | 105,000             | 11,400,000      | 3,696,000          | 1,260,000          | 16,356,000 |
| Tax                  |                 |                 |                 |                |                   |                   |                  |                     |                     |                 |                    |                    | 2,453,400  |
| total with tax       |                 |                 |                 |                |                   |                   |                  |                     |                     |                 |                    |                    | 18,809,400 |

| Yers                     | (Cost (Outflow |              | (Invistment and inCome (inflow |             | Cash Flow   | Long Term Governmental Fund |                       |
|--------------------------|----------------|--------------|--------------------------------|-------------|-------------|-----------------------------|-----------------------|
| 1st                      | Cost 1st Year  | -3,707,124   | Stakeholders Investment        | 2,500,000   | -1,207,124  | Fund from SIDF              | 10,000,000<br>5000000 |
| 2nd                      | Cost 2nd Year  | -24,016,024  | 2nd Year Sales                 | 9,466,800   | -14,549,224 | -                           | -                     |
| 3rd                      | Cost 3rd Year  | -15,135,024  | third Year Sales               | 18,809,400  | 3,674,376   | -                           | -                     |
| 4th                      | Cost 4th Year  | -37,395,024  | fourth Year Sales              | 45,084,600  | 7,689,576   | -                           | -                     |
| 5th                      | Cost 5th Year  | -69,456,524  | Fifth Year Sales               | 114,816,000 | 45,359,476  | -                           | -                     |
| Total out flow for 5 Yrs |                | -149,709,720 | Total Sales                    | 188,176,800 | 38,467,080  | Total Fund                  | 10,000,000            |



| No | explained                                                                    | Category      | effect  |
|----|------------------------------------------------------------------------------|---------------|---------|
| 1  | The proposed budget does not cover the costs of the project.                 | Financial     | severe  |
| 2  | Ignorance of some of the legal responsibilities of the project.              | legal         | high    |
| 3  | Electronic hacking attacks on the platform.                                  | technology    | severe  |
| 4  | Lack of logical reasoning in the strategic objectives of the project.        | strategy      | Average |
| 5  | The occurrence of natural disasters that prevent human or natural resources. | environmental | Average |



Thank You...