



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

Student Name	Mahmoud Mohammed Hassan	اسم الطالب
Students I.D	2021201366	الرقم الجامعي

Section

Master

Date

Thursday

18 / 03 / 2021.

Course Code

(PMG510)

Project Risk Management

AMIE Turnaround [TARs] and shutdowns strategic framework standardization

Introduction

Air Liquide AMIE [Africa Middle East India] is one of the largest hubs in the international company worldwide, this Hub includes 9 countries and more than 57 production units across the region, each entity has its own standards to implement the TARs and shutdowns, which varies according to the level of the experience and the maturity level for each entity, the idea of the project is to create standard procedure to implement the TAR methodology in all entities with specific goals and certain KPIs.

The research objective:

- To develop and validate a framework ⁶ for the successful implementation of TAM projects

- To identify and establish success measurement criteria of TARs projects.
- To identify and establish critical success factors of the implementation of TARs projects.
- To evaluate and establish how these critical success factors can be efficiently managed using TAR management specific methodology.
- To investigate and establish the management skills/knowledge and personal attributes of the TAM project manager required for a successful TAR project.

Risk Brainstorming

Bases up on the project scope and activities, risk brainstorming shows group of risks maybe arises, this stage describes the risk identification, which include but not limited to

- Communication Risk
- Stakeholders' engagement risk
- Human Resources management risk
- Culture and environmental risk

The communication risk:

indicated the communication problems among the entities team and influence them with the change, this could be affects on the project schedule and the implantation phase, and as well will affect in the overall process quality, the communication risk indicates the following

1. Time different zones
2. Virtual communication & Transversal leadership
3. Influence on the team

The risk is high and the impact is high, the SWOT analysis shows that this is the highest risk exist.

Virtual communication

The best way to communicate is the face-to-face communication, however if there is no other option, the virtual communication could solve the issue considering that there are different risk associated with communication virtually, the lack of contacting and technology issues,

Risk analysis

After risk identification, an analysis was done to prioritize the risk, shows in the Risk matrix

Risk matrix

Sr	Risk	Probability	Impact	Risk Score
1	Communication Risk	H	H	High
2	Virtual communication	H	H	High
3	Influence on the team	M	H	Medium

		Impact		
		Low	Medium	High
Probability	High	Low	Medium	High
	Medium	Low	Medium	Medium
	Low	Low	Low	Low

Risk triggers indicators

The risk early triggers indicators are early indication that indicates the risk proximity, these triggers should monitor and watched if it occurs the risk response should be ready to be implemented if the risk occurred, example of the risk triggers:

1. Not attending the planned meeting
2. Resistance in following up the instructions
3. Common feeling that no benefit of the process
4. Too much question not related
5. Poor meeting management

Risk response

The highest 3 risks already identified, prioritized, risk response strategy to be in place in order to implement it to reduce the impact of the highest risk category,

Sr	Risk	Probability	Impact	Risk Score	Response strategy	Risk Response
1	Communication Risk	H	H	High	Mitigation	Increase the communication and sharing the information on the project to create a common platform of understanding
2	Virtual communication	H	H	High	Mitigation	Use the transversal model of communication
3	Influence on the team	M	H	Medium	Mitigation	Build the trust among the team

References

1. A Framework for the Successful Implementation of Turnaround Maintenance Projects, Christopher Chinedu Obiajunwa, May, 2010
2. PMI BOK, 6th Edition, Project management frame work
3. AIR LIQUIDE'S Turnaround and shutdown best practice procedure TAR-BP-001