

EVERYONE'S SMART UNIVERSITY

College: Business Management

Program: Master degree.

Major: Risk Management

English title: Risk during developing of digital transformation strategy in reverse osmosis plant in Marafiq company.

***Arabic title: المخاطر خلال تطوير استراتيجيات التحول الرقمي في محطة
التناضح العكسي***

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Introduction:

The digital era is characterized by fast development, growth, innovation, and disruption. Organizations that want to survive must be ready to adapt to the new digital landscape. The digital transformation process is more than just implementing new technology, investing in tools, or upgrading existing systems. These steps are important, but they are not the whole picture. If an organization wants to stay competitive, it won't just be able to respond to changes, it should expect them and stimulate innovation itself. To do this, companies need to plan ahead and be active designers for their future. This is where the digital transformation strategy comes in. The digital transformation strategy helps leaders answer the questions for their business such as the current digitalization level, future vision, and how to get there. To be protected from digital disruption, companies need to develop three core competencies related to awareness, informed decision-making, and rapid implementation. The development and implementation of a digital transformation strategy have become a key concern for many organizations across manufacturing industries, but how such a strategy can be developed remains an open question. In this paper, we will be discussing how manufacturing could develop a digital transformation strategy that including a different aspect of the strategy tailored to the nature of the manufacturing sector.

Research Problem:

For manufacturing organizations to effectively embrace digital technology, it is critical to understand the challenges they face along the digital transformation journey. The roadmap for digital transformation includes several challenges that need to be addressed and handled. Here are some of the challenges to look out for when implementing digitalization in manufacturing shown below:

- 1- Resistance to change.
- 2- Lack of knowledge and experience.
- 3- Security.
- 4- Employee error.
- 5- Privacy concern.

The importance of the research:

The importance of this research will find out the risk of challenges that will be faced during digital transformation project as well as find solution to mitigate the risk in order to not delay of implement it.

Research hypothesis:

This Study aims to overcome the risk in digital transformation project.

Literature Review:

The previous study will be “Developing Digital Transformation Strategy for Manufacturing” by Saeed Albukhitan

Research Methodology:

The researcher will use applied method in this research.

Research limitation:

This research will consider only the risks in digital transformation related to desalination plants.

The initial reference list:

2020, The 3rd International Conference on Emerging Data and Industry 4.0 (EDI40)
April 6-9, 2020, Warsaw, Poland.

<https://linkinghub.elsevier.com/retrieve/pii/S1877050920306372>