

Midocean University

College of Management

Department of Risk Management

The Impact of Supply Chain Operations Risk Management on a Construction Site

تأثير ادارة مخاطر عمليات سلسلة التوريد على موقع انشائي

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Introduction:

Construction projects are inherently complex and involve numerous stakeholders, materials, and processes. Effective supply chain operations risk management plays a crucial role in ensuring the successful execution of construction projects. This proposal aims to investigate the impact of supply chain operations risk management on a construction site, with a focus on identifying the benefits and challenges associated with its implementation.

Objectives:

- To assess the current practices of supply chain operations risk management in the construction industry.
- To identify the key risks and vulnerabilities within the construction supply chain.
- To analyze the impact of effective supply chain operations risk management on project timelines, costs, and overall project success.
- To propose recommendations for improving supply chain operations risk management practices in the construction industry.

Methodology:

This research will adopt a mixed-methods approach to gather comprehensive and reliable data. The following methods will be employed:

- Literature Review: A thorough review of existing literature will be conducted to understand the current state of supply chain operations risk management in the construction industry.
- Surveys and Interviews: Surveys and interviews will be conducted with construction project managers, supply chain professionals, and other relevant stakeholders to gather insights into current practices and challenges.
- Case Studies: Multiple construction projects will be selected to analyze the impact of supply chain operations risk management on project outcomes.
- Data Analysis: Collected data will be analyzed using statistical methods, qualitative analysis, and data visualization techniques.

Project Plan:**The following activities will be undertaken:**

- Review relevant literature on supply chain operations risk management in the construction industry.
- Develop survey questionnaires and interview protocols.
- Conduct surveys and interviews with construction professionals.
- Collect and analyze data from case studies.
- Summarize and interpret the findings.
- Prepare a comprehensive report with recommendations.
- Present the findings and recommendations to relevant stakeholders.

Expected Outcomes and Deliverables:

- A comprehensive assessment of the current state of supply chain operations risk management in the construction industry.
- Identification of key risks and vulnerabilities within the construction supply chain.
- Analysis of the impact of effective supply chain operations risk management on project timelines, costs, and overall project success.
- Recommendations for improving supply chain operations risk management practices in the construction industry.
- A final report summarizing the research findings and recommendations.

Conclusion:

The successful management of supply chain operations risk is crucial for the efficient and timely completion of construction projects. By investigating the impact of supply chain operations risk management on a construction site, this research aims to contribute to the body of knowledge in the field and provide valuable insights for practitioners. The findings and recommendations from this study can help construction industry professionals enhance their risk management practices and improve project outcomes.