



**MANAGING THE SUPPLY CHAIN RISKS WITHIN THE
CONSTRUCTION INDUSTRY OF AFRICA'S TOP THREE
PERFORMING GDP NATIONS**

RESEARCH REPORT

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Abstract

The management of construction supply chain risks in Africa's top three performing GDP nations is vitally important in the mitigation of inefficient operations, schedule delays, and cost overruns during construction projects. The identification and implementation of mitigation operations, and processes, must be vastly researched and successfully implemented to mitigate construction wastes and inefficiencies. Given this, the supply chain risks, and the relevant impacts, need to be identified and investigated. Furthermore, the mitigation strategies and technologies are investigated in the attempt to mitigate or lessen the impact of the identified construction supply chain risks.

The study conducted research through a mixed methodology, followed by the collection and systematic review of published literature, before being coded into the identified key themes from the literature available. The frequency, severity and importance of the risk, and impacts, were determined using various indices. The results obtained showed that the impact of the construction supply chain risks were significant with regards to their cost and scheduling attributes. The risks and delays mainly stemmed from the lack of management, capable expertise, and financial restrictions. Furthermore, the correct implementation of mitigation strategies and technology could further reduce construction supply chain wastes and inefficiencies.