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Balance in the sector



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Problem Identified

The New Zealand government focuses on establishing a sustainable construction sector, prioritizing high performance, productivity, innovation, and community well-being (MBIE, 2022). This commitment is evident in various projects, including residential and non-residential building and infrastructure development. Despite these efforts, construction projects in New Zealand, especially those in the pipeline, consistently encounter challenges that lead to significant underperformance (MBIE, 2022). A key contributing factor is the insufficient quality of information and strategic decision-making among stakeholders, resulting in project delays. While existing research has delved into project delays and integrated project delivery methods for potential improvements, a notable research gap remains concerning the strategic decision-making and quality of information linked to construction business performance. Hence, this research explores the linkages between quality of information, strategic decision-making, construction organization performance, and stakeholder decision influences within construction project management

Aim

This research aims to improve strategic decision making within construction organizations in New Zealand. This is achieved through empirical justifications for the significance of the quality of construction pipeline information on organizational performance.



Objectives

1. To investigate the direct effects of strategic decision-making on construction business performance in the New Zealand.
2. To investigate the direct effects of quality of information on construction business performance in the New Zealand.
3. To investigate the mediating role of quality of information on strategic decision-making and construction business performance in New Zealand.





Methodology

To collect empirical data, we implemented a cross-sectional design complemented by a quantitative survey, utilizing a substantial sample size. The study employed a self-administered online survey, focusing on construction organizations in New Zealand as the unit of analysis. The target demographic comprised middle to senior-level construction managers, directors, engineers, and other professionals involved in strategic decision-making within their respective organizations.

Recruitment efforts were directed towards members of prominent industry associations in New Zealand, such as the New Zealand Certificate Building, Building Contractors, New Zealand Institute of Building, Infrastructure New Zealand, and The National Association for Civil Construction in New Zealand. Additionally, professionals associated with various construction organizations were reached through platforms like LinkedIn.

To ensure a comprehensive data pool, contacts from the School of Built Environment Engagement were also included in the recruitment strategy. The gathered data underwent analysis using the Partial Least Squares Structural Equation Modeling (PLS-SEM) technique, facilitated by SmartPLS 4 software. This robust methodology aimed to derive valuable insights for the advancement of decision-making processes and overall performance within the construction industry.





Preliminary Results

The study employed correlation analysis to assess the impact of adopting strategic management practices on the performance of construction businesses in the context of New Zealand. It identified a positive correlation between strategic decision-making management and construction business performance, highlighting the mediating role of information quality. This research emphasizes the crucial significance of information quality in the assessment of strategic decisions to enhance the overall performance of construction organizations. Essentially, it validates the intrinsic connection between improving construction business performance through strategic decision-making and the quality of information. The study holds promise for researchers in the field, offering valuable insights, and serves as a guide for construction project managers. By establishing success criteria and identifying factors influencing project implementation, this research contributes to advancing practices within the construction industry.

