

Understanding The Key Factors Affecting Sustainable Health and Safety Practices in Construction Industry

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Introduction & Background

- Despite being essential to the growth of the world economy, the construction sector experiences various health and safety risks and occupational accidents owing to its inherent hazards
- Promoting safe working environments and project performance overall depends heavily on the construction industry's adoption of sustainable health and safety measures.
- However, understanding the many factors that affect the adoption of sustainable health and safety procedures is necessary to establish and uphold employee well-being and organisational performance.
- Hence the necessity of this study.

Aim, Objectives, and Scope

- This study aimed to investigate the factors affecting sustainable health and safety procedures in the construction industry.

Research Design and Methodology

- In order to accomplish the aim, we conducted an extensive literature review which was used to design a questionnaire survey administered to construction professionals in Malaysia.
- After multiple reminders over seven months, 281 responses were collected by the deadline.
- The collected data was analysed using exploratory factor analysis (EFA).

Results (1)

- Safety culture deficiencies
- Improper safety management
- Inadequate Safety Knowledge and Compliance
- Poor Safety Governance and Oversight
- Resource and Management Deficiencies
- Lack of Safety Awareness and Engagement
- Poor organisational commitment and governance

Discussions, Conclusions & Recommendations (1)

- The outcome of this study points to essential areas of concern that significantly affects sustainable health and safety practices in the construction industry.
- Key issues include safety culture deficiencies, improper safety management, inadequate safety knowledge and compliance, poor safety governance and oversight, resource and management deficiencies, a lack of safety awareness and engagement, and poor organisational commitment and governance.

Discussions, Conclusions & Recommendations (2)

- By implementing these findings through targeted interventions and strategies, the construction sector can significantly improve overall sustainability in health and safety practices, create safer work environments, and enhance safety standards.
- This study underscores the crucial role of leadership commitment, adequate resource allocation, and comprehensive training in promoting sustainable health and safety practices.
- Addressing these identified inadequacies will enable construction companies to enhance safety cultures, advance employee well-being, and establish safer, more sustainable work environments.