



A 2-Day Zonal Workshop (North East/North West Zones) At Dutse, Jigawa State

IMPLEMENTING SUSTAINABLE MANAGEMENT PRACTICES ON CONSTRUCTION CLAIM MITIGATION.

BY

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PRESENTATION



An Overview of Construction Claim



The need to Mitigate Construction Claims



Why Sustainable Management Practices on Construction Claim Mitigation?



How do we Implement Sustainable Management Practices on Construction Claims Mitigation?



The Shift in Project Management Style



Sustainable Project Management Practices



Determinants of Implementing SMP on Construction Claims Mitigation



Conclusion

AN OVERVIEW OF CONSTRUCTION CLAIM

- ❖ In the dynamic world of the construction industry, claims by contractors are a common occurrence.
- ❖ These claims are essentially **requesting for compensation** made by contractors when they have expended more time, incurred additional costs, or encountered unforeseen circumstances that were not initially stipulated in the contract.

THE CURRENT PRACTICE.....



The **fragmented management** of traditional construction projects, which mainly lacks the **integration of project processes**, often results in schedule **delays and cost overruns**



These leads to

Client dissatisfaction, Quality defects,
Increase in work accidents and injuries
Increase in risk factors examples unforeseen site conditions, poorly drafted contracts, change orders, poor project management).



As a result, claims and disputes are most likely to arise between the contracting parties that can be extremely expensive and may severely impact the project performance.

THE NEED TO MITIGATE CONSTRUCTION CLAIMS

- ❖ This paper focuses on Implementing Sustainable Management Practices on Construction Claim Mitigation.

Reasons!!!

- ❖ Construction **claims avoidance** has been regarded as a main target for proper management of construction projects (Seo and Kang (2020))
- ❖ The rising number of claims dictates the importance of **implementing effective/sustainable** construction claim management plan (Bakhary et al. 2015).

Seo, W. and Kang, Y. (2020), Performance Indicators for the Claim Management of General Contractors, Journal of Management in Engineering.

Bakhary, N. A., Adnan, H., & Ibrahim, A. (2015). A study of construction claim management problems in Malaysia. Procedia economics and finance, 23, 63-70.

WHY SUSTAINABLE MANAGEMENT PRACTICES ON CONSTRUCTION CLAIM MITIGATION?

- ❖ Sustainable management generally refers to joining of **sustainability and management practices** to create a **balanced business model**, benefitting current and future generations.
 - ❖ Generally integrating sustainability key factors (**encompassing economic, environmental, and social dimensions**) contribute in delivering successful projects by
1. Improving quality of output,
 2. Increase in productivity,
 3. Profitability,
 4. Decrease in life cost and
 5. Enhance construction companies competitiveness abilities



WHY SUSTAINABLE MANAGEMENT PRACTICES ON CONSTRUCTION CLAIM MITIGATION?

- ❖ Additionally, integrating sustainability in the project management plan contributes immensely to:
 1. The well-being of the construction business,
 2. It has a positive impact on the environment and the society as well, and
 3. It equally provides competitive advantages and financial gains for construction enterprises.



WHY SUSTAINABLE MANAGEMENT PRACTICES ON CONSTRUCTION CLAIM MITIGATION?

Mainly, sustainable project management involves **the management of all phases during the entire life-cycle** of a project via **planning, monitoring and controlling the total project's processes**, in order to fulfil stakeholders' demands and content, and ensure that the triple bottom line concept (economic, social and environmental dimensions) of sustainability is well considered (Stanitsas et al., 2021).

Stanitsas, M., Konstantinos Kirytopoulos, Associate professor, Nrsassidas Leopoulos, Professor (2021). Integrating sustainability indicators into project management: The case of construction industry, Journal of Cleaner Production 279,123774.



HOW DO WE IMPLEMENT SUSTAINABLE MANAGEMENT PRACTICES ON CONSTRUCTION CLAIMS MITIGATION?

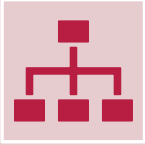
Generally, integrating sustainability in project management requires a perspective shift from managing time, budget, and quality, to managing social, environmental, and economic impacts.

In traditional project management, controlling time, quality, and budget is limited to short-term project processes and outcomes.

While the integration of sustainability entails a complete shift from such limited perspective of predictability and accountability to considering long-term overview of the project lifecycle

This is characterized by flexibility to changes and complexity in economic, environmental, and social aspects (Carboni & Reeson, 2012).

THE SHIFT IN PROJECT MANAGEMENT STYLE



This shift in project management style should also affect the **behaviour and attitude of project managers**



In traditional projects, project managers tend to perform tasks and duties by keeping the project team focused **on scope, deliverables, budget, risks and resources, as specified by the stakeholder's requirements**



However, project managers can play a significant role in the integration of sustainability project management concepts which **influence all the processes and practices at the economic, environmental, and social levels throughout the whole lifecycle of a project**

SUSTAINABLE PROJECT MANAGEMENT PRACTICES

- ❖ Sustainable Project Management is the **planning, monitoring and controlling** of project delivery and support processes, with consideration of the **environmental, economical and social aspects** of the life-cycle of the project's resources, processes, deliverables and effects, aimed at realizing benefits for stakeholders, and performed in a transparent, fair and ethical way that includes proactive stakeholder participation
- ❖ In Nigeria like in most developing countries, the integration of sustainability into the basic project management practices is still lagging behind,
- ❖ This could be attributed to the fact that in developing countries economic development is prioritized over sustainability requirements.
- ❖ Adding to that, managerial challenges are found to be one of the most influencing challenges in the delivery of sustainable projects



DETERMINANTS OF IMPLEMENTING SMP ON CONSTRUCTION CLAIMS MITIGATION

Introducing technology such as building information modelling (BIM) can effectively assist in managing different project processes

The implementation of sustainable aspects to project management practices requires

BIM encourages the early involvement of all key contractors and designers (civil, mechanical, electrical, plumbing, architects)

As well as it improves documentation, monitoring and control of energy use throughout the useful life of the project



DETERMINANTS OF IMPLEMENTING SMP ON CONSTRUCTION CLAIMS MITIGATION

Political will from the government,

Change in clients' demands,

The implementation of sustainable aspects to project management practices requires

Enforcement of existing environmental regulations

Promoting cooperation among stakeholders,

Modifying construction techniques and

Building systems to adapt to sustainable development requirements



DETERMINANTS OF IMPLEMENTING SMP ON CONSTRUCTION CLAIMS MITIGATION

The implementation of sustainable aspects to project management practices requires

Specifying sustainability goals and green building requirements right from feasibility phase,

Engaging green building experts and technicians at early stages of feasibility, design, and execution,

Establishing and maintaining good collaboration among project team members

Including incentives and bonuses to encourage the implementation of sustainable development

Continuous training and awareness and spread education regarding sustainability concepts among on-site construction personnel



DETERMINANTS OF IMPLEMENTING SMP ON CONSTRUCTION CLAIMS MITIGATION

The implementation of sustainable aspects to project management practices requires

- ❖ Project's influence on the local social development and considerations of safety measures right from feasibility study stage
- ❖ On the environmental level, noise assessment, waste assessment, construction site selection, and land consumption shall be taken into consideration when conducting feasibility study (Kumar and Gupta, 2014).
- ❖ Moreover, increasing the company's technological and innovative capabilities, and implementing adequate documentation and reporting systems are deemed vital to promote sustainability in construction projects (Bakhtiar et al., 2008).

WAY FORWARD.....

In conclusion, to mitigate Construction Claim by implementing Sustainable Management Practices the following are required

Engaging competent professionals at the feasibility phase,

Employing green building certified professionals, consultants, and technicians at early design phase, Empowering communication, and collaboration among project stakeholders,

Integration of digital technologies such as Building-Information Modelling (BIM) in the design phase.

Selection of appropriate project delivery method, procurement method, and contract type.

**Thank you
for
Listening**

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REFERENCES

Bakhary, N. A., Adnan, H., & Ibrahim, A. (2015). A study of construction claim management problems in Malaysia. *Procedia economics and finance*, 23, 63-70.

Seo, W. and Kang, Y. (2020), Performance Indicators for the Claim Management of General Contractors, *Journal of Management in Engineering*.

~~Stanitsas, M., Konstantinos Kirytopoulos, Associate professor, Nrsassidas Leopoulos, Professor (2021).~~
Integrating sustainability indicators into project management: The case of construction industry, *Journal of Cleaner Production* 279,123774.

Thabet, Z. (2022). Effect of Implementing Sustainable Management Practices on Construction Claims Mitigation (Doctoral dissertation, Lebanese American University).

