

How effective project
management ensures
sustainability



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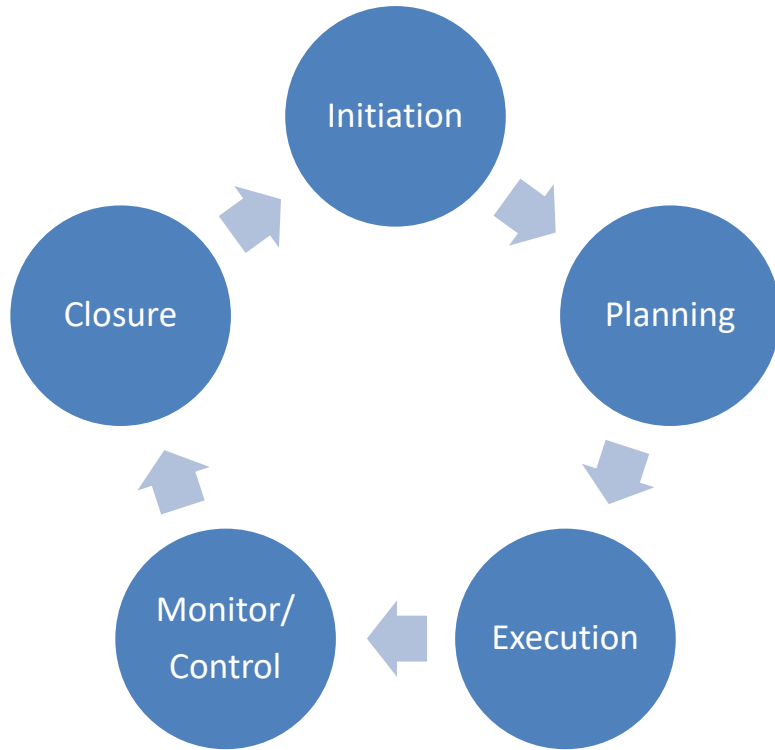
How Effective Project Management Ensures Sustainability

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www.thebig5saudi.com



Traditional Project Lifecycle



Compliance



What is Sustainability?

“meeting the needs of the present without compromising the ability of future generations to meet their own needs.”

United Nations

...Sustainable practices support ecological, human, and economic health and vitality

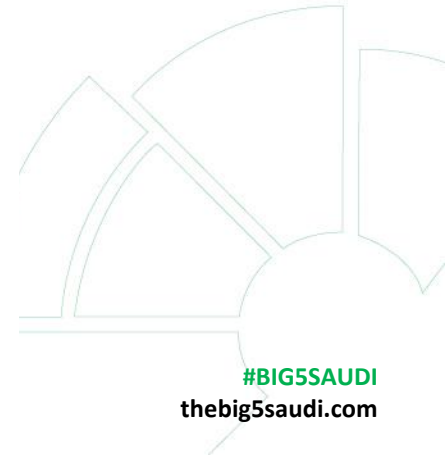


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The Evolution of Project Management toward Sustainability



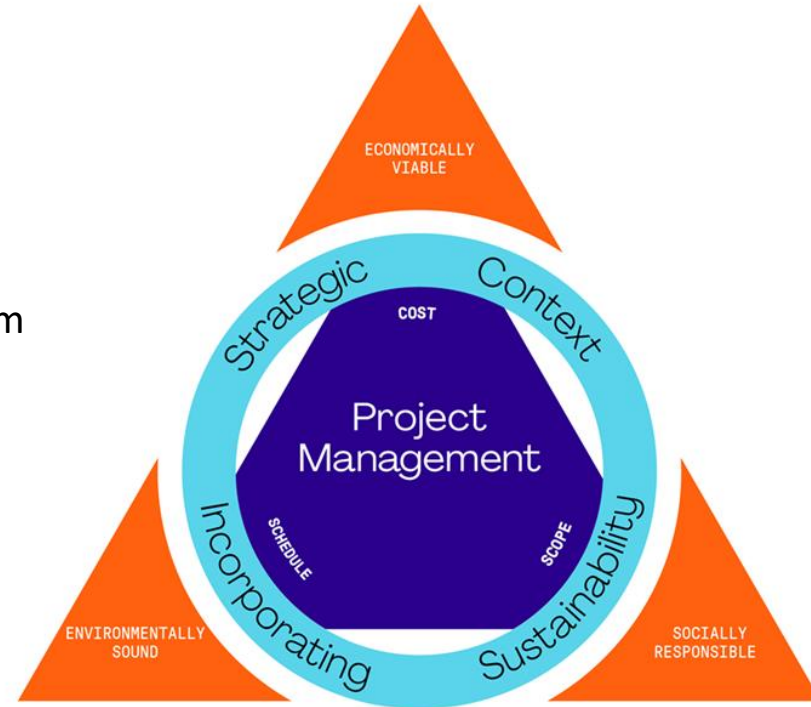
Sustainable Project Management Demands ...



How does Sustainability Impact Project Management?



- Project context
- Stakeholders
- Requirements definition
- Business case
- Dimensions of project success
- Selection and organization of project team
- Project scheduling and materials used
- Procurement
- Risk identification and management
- Project communication
- Project reporting and handover
- Organizational learning



Stakeholders in Sustainable Project Management



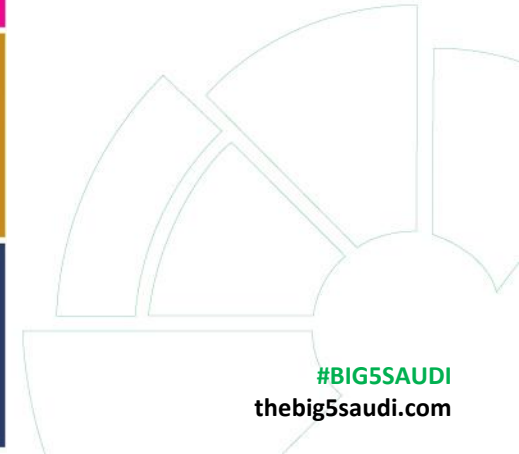
Traditional Project Management:



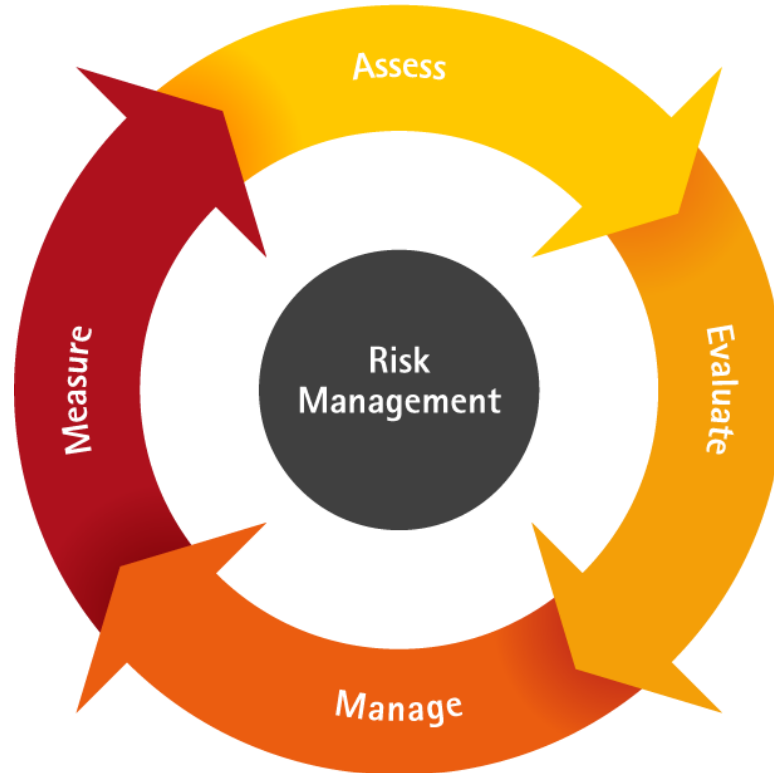
Sustainable Project Management:



Business Case in Sustainable Project Management



Risk Management in Sustainable Project Management



Organizational Learning in Sustainable Project Management



Delivering a Capital Program for the Royal Commission of Yanbu



Vision
& Mission

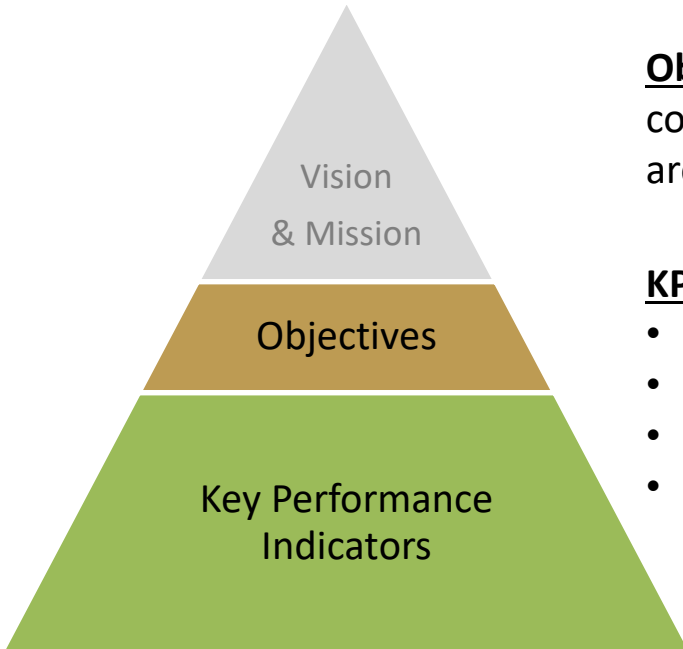
Objectives

Key Performance
Indicators

Vision: Provide a built environment which exceeds the needs and aspirations of investors and the communities in the Royal Commission of Yanbu.

Mission: To work collaboratively to manage city planning standards and deliver/enable high quality infrastructure projects, in a safe, timely, environmentally friendly and cost-effective manner.

Delivering a Capital Program for the Royal Commission of Yanbu



Objectives: Environmental sustainability, environmental impacts on communities and HSE are robustly monitored to ensure standards are achieved.

KPIs:

- Planning - % Sustainability criteria monitored
- Design - % Designs which incorporate environmental sustainability
- Construct - % Recyclable waste removed from construction sites
- Construct - % Projects incorporating segregated waste

Yanbu's Achievements Towards Building a Sustainable City



Yanbu is the first Industrial City in the region to achieve “Existing Cities LEED Certification V4.1”

Gold Level Certification in USGBC's LEED for Existing Cities



Integrative Process



Natural Systems and Ecology



Transportation and Land Use



Water Efficiency



Energy and Greenhouse Gas Emissions



Materials and Resources



Quality of Life



Innovation



Regional Priorities

WHAT **COULD** YOU DO?

WHAT **SHOULD** YOU DO?

WHAT **WILL** YOU DO?

...to advance sustainable project management?



THANK YOU!

