

## How effective project management ensures sustainability

### Steven Gutierrez

Program Director Parsons

Industry Talks Theatre Sponsor

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Introducing:



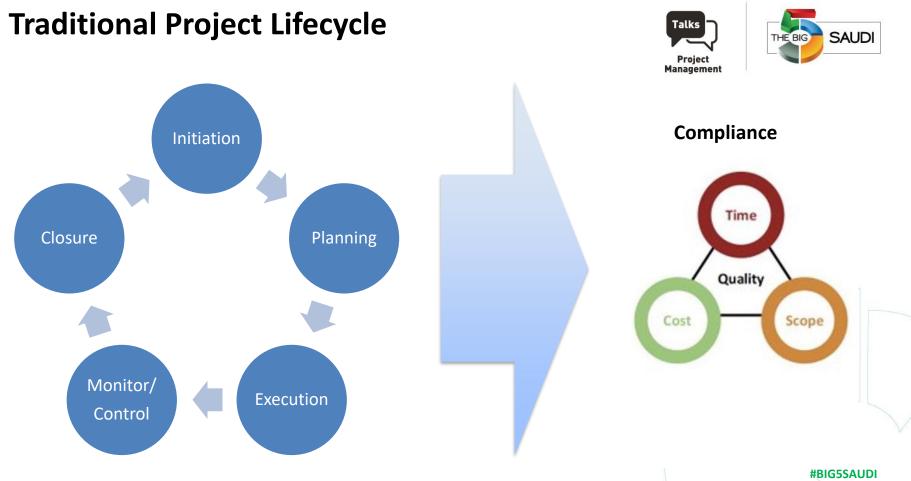
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How Effective Project Management Ensures Sustainability

Steven Gutierrez

www.thebig5saudi.com



thebig5saudi.com

## 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





# The Evolution of Project Management toward Sustainability



SAUDI





Compliance



Value



## Sustainable Project Management Demands ...



# THE BIG SAUDI

#### **Commitment and Accountability**

Recognize the essential rights of all to healthy, clean, and saf environments, equal opportunity, fair remuneration, ethical procurement, and adherence to the rule of law.

### **Ethics and Decision Making**

Support organizational ethics and decision making with respect for universal principles through identification, mitigation, and the prevention of adverse short- and long-term impacts on society and the environment.





#### Integrated and Transparent

Foster the interdependence of economic development, social integrity, and environmental protection in all aspects of governance, practice, and reporting.

#### **Principles and Values Based**

Conserve and enhance our natural resource base by improving the ways in which we develop and use technologies and resources.



#### Social and Ecological Equity

Assess human vulnerability in ecologically sensitive areas and centers of population through demographic dynamics.

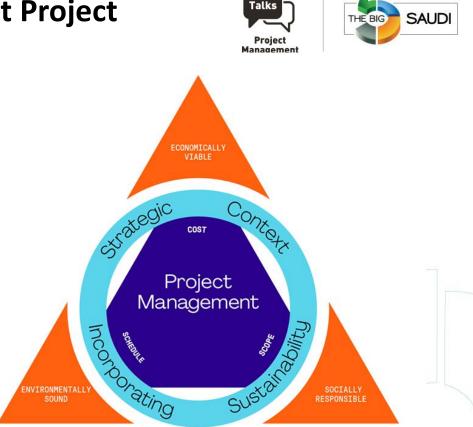
#### Economic Prosperity

Adhere to fiscal strategies, objectives, and targets that balance the needs of stakeholders, including immediate needs and those of future generations.



# 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





## 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

PARSONS





Key Performance Indicators <u>Vision</u>: Provide a built environment which exceeds the needs and aspirations of investors and the communities in the Royal Commission of Yanbu.

<u>Mission</u>: 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

Vision

& Mission

**Objectives** 

Key Performance Indicators



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

## <u>KPIs</u>:

PARSONS

- 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** 









**Regional Priorities** 





## WHAT COULD YOU DO?

## WHAT SHOULD YOU DO?

## WHAT WILL YOU DO?

## ....to advance sustainable project management?

# THANK YOU





Architecture & Design



Talks

Concrete

Facilities Management





Management





Technology

Facades & Glass