



**5 - 8 DECEMBER 2022**  
DUBAI WORLD TRADE CENTRE

# Collaborative Project Management in Complex Projects

**EISA KHALID ALALI**

Project Management Talk | 5<sup>th</sup> December 2022



# Collaborative Project Management in Complex Projects

- What make a complex project?
- What are the main challenges facing **complex projects**?
- **What is project collaboration?**
- Why is it important? and what are the **Benefits** of Effective Collaboration
- **Tools and techniques?**



Organized by

**dmg** :: events

**#BIG5EXHIBITION**  
[www.thebig5.ae](http://www.thebig5.ae)

# What Makes a Complex Projects?

Multiple partners, stakeholders, suppliers, large # of interconnected activities, interdependencies

## Structural Complexity

## Technical Complexity

New tech, product, design

## Socio-Cultural Complexity

diversity, unconscious bias, organizational culture

# Complexity

There are multiple reasons why some projects are more complex than others

## Temporal Complexity

shifting environment or direction over time

## Directional Complexity

misalignment of project goals/expectation, hidden agenda

#BIG5EXHIBITION  
www.thebig5.ae

# Examples of Complex Projects

## Al Bandar Development



Organized by

**dmg** :: events

**#BIG5EXHIBITION**  
**www.thebig5.ae**



# Examples of Complex Projects

Expo 2020



**#BIG5EXHIBITION**  
**[www.thebig5.ae](http://www.thebig5.ae)**

# Examples of Complex Projects

## National Railway





# Examples of Complex Projects

Museum of the Future



Organized by

**dmg** events

**#BIG5EXHIBITION**  
**www.thebig5.ae**

# Examples of Complex Projects

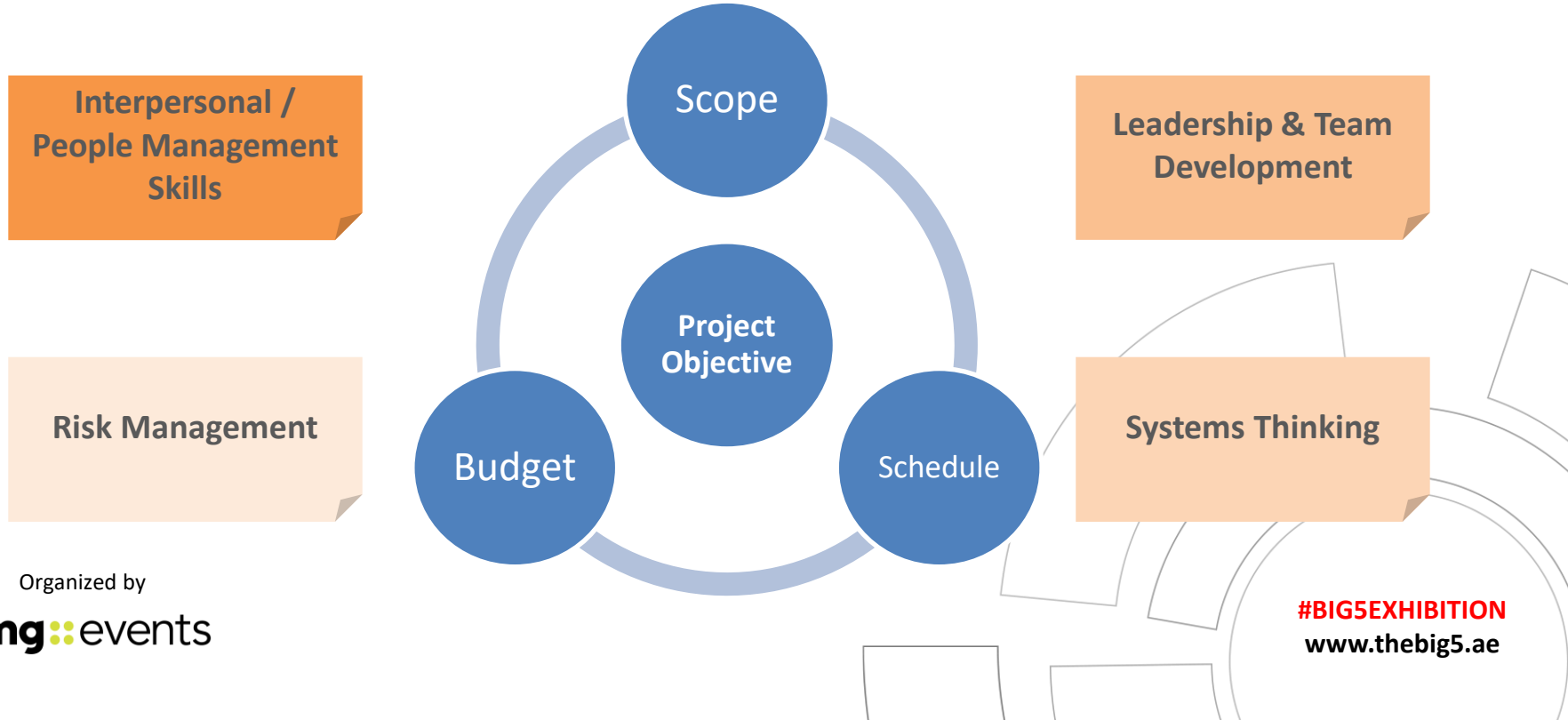
Sh. Hamdan Cancer Charity Hospital



**#BIG5EXHIBITION**  
**[www.thebig5.ae](http://www.thebig5.ae)**



# To lead **Complex Projects**, project professionals need more than ..



Organized by

**dmg** events

**#BIG5EXHIBITION**  
[www.thebig5.ae](http://www.thebig5.ae)

# What are the main challenges facing complex projects



Project **visibility** and clarity of objectives

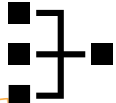


Clear **scope definition** and management

Clarity of project management process



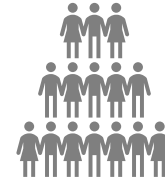
**Timely Design maturity**, especially when overlapped with construction



Effective **Resources Planning** throughout the entire project life cycle



Effective **Risk management**



**Management of various stakeholders'** with different objectives and a lot of interfaces



Effective **communication & Change Management** System

**#BIG5EXHIBITION**  
[www.thebig5.ae](http://www.thebig5.ae)

Organized by

**dmg** :: events

# What is project collaboration ?



Project collaboration is a method by which **teams and team leaders** plan, coordinate, control and monitor the project they are working on.

This collaborative project management process works across departmental, corporate and national boundaries and helps especially with projects as they grow in complexity.



# Why is it important? & what are the Benefits of Effective Collaboration



- Align teams towards achieving project goals
- Increase productivity and effectiveness
- Increase the knowledge sharing process
- Improve efficiency of communication
- Reduce internal conflicts and increase problem solving efficiency
- Build a stronger organization
- Promote more innovative inputs

#BIG5EXHIBITION  
[www.thebig5.ae](http://www.thebig5.ae)

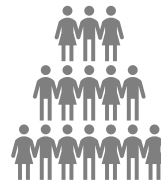
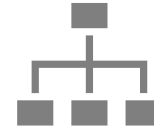
Organized by

**dmg** :: events

# Tools & Techniques



- Project **Information Management systems**
- Usage of **BIM / modelling** to manage design stage and clear clashes
- Enhance communication through **face-face meetings** to address issues
- **Empower the decision making** by setting effective delegations of responsibilities
- Adopt an **agile project management** approach



Organized by

**dmg** :: events

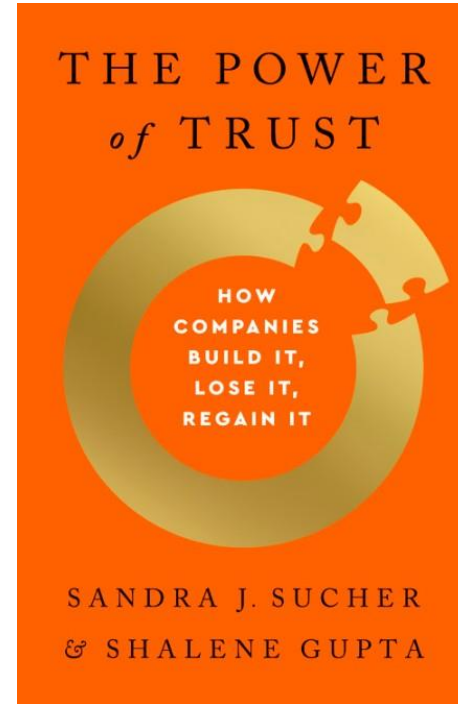
**#BIG5EXHIBITION**  
**www.thebig5.ae**

# Tools & Techniques



## Build Trust

Among the team and key stakeholders



Organized by

**dmg** :: events

**#BIG5EXHIBITION**  
**www.thebig5.ae**



# THANK YOU



Concrete



Facilities  
Management



Geotechnical  
& Engineering



HVAC R



Offsite  
& Modular



Project  
Management



Solar



Stone Design



Technology



Urban Design  
& Landscape