

€ TRAINING

Planning with Designing and Following Up in
Technical and Engineering Projects



8 - 12 September 2024
Manama (Bahrain)
Fraser Suites Seef Bahrain



Planning with Designing and Following Up in Technical and Engineering Projects

REF: P746 DATE: 8 - 12 September 2024 Venue: Manama (Bahrain) - Fraser Suites Seef Bahrain Fee: 4475 Euro

Introduction:

This training program delves into essential project management concepts, focusing on the entire project lifecycle, from design to execution. It empowers participants to effectively manage construction projects by mastering key processes such as tendering, cost control, risk analysis, and value engineering.

Program Objectives:

At the end of this program the participants will be able to:

- Construction Industry: Players, methods of delivery, and contracts.
- Design Stages and interaction with construction.
- Construction Phase: Planning, control, and closing.

Targeted Audience:

- Chief Executive Officers.
- Finance Managers.
- Human Resources Managers.
- Project Managers.
- Engineers and Planners.
- Information Technology Managers.

Program Outlines:

Unit 1:

Essential Project Management Concepts:

- What is a project and its Key Concepts.
- Delivery Methods of Projects.
- Types of Contracts for engineering projects.
- Projects and Operations.

- Project Life Cycle and PM Phases and key concepts.
- Project Management Processes.

Unit 2:

Project Design, Delivery Methods, and Construction Contracts:

- Design stages of project.
- Delivery methods of projects.
- Contract types for construction projects.
- Key considerations in selecting project delivery methods.
- Legal aspects of construction contracts.

Unit 3:

Construction Project Tendering and Planning:

- Tendering of construction projects.
- Planning for construction projects.
- Tender evaluation and selection criteria.
- Pre-construction planning and scheduling.
- Developing bid documents and procurement strategies.

Unit 4:

Managing Cash Flow, Costs, and Time:

- Cash Flow Analysis.
- Cost Control.
- Time Control.
- Managing project budgets and forecasts.
- Techniques for monitoring and adjusting schedules.

Unit 5:

Risk Analysis and Value Engineering in Construction Projects:

- Risk Analysis for construction projects.
- Value Engineering application in construction projects.
- Identifying and mitigating construction risks.
- Tools for risk management in construction.
- Integrating value engineering into project planning.