



*Training Course:
Mastering Project Engineering for Optimal
Project Management*

*21 - 25 February 2027
Cairo (Egypt)*

Training Course: Mastering Project Engineering for Optimal Project Management

Training Course code: EN235530 From: 21 - 25 February 2027 Venue: Cairo (Egypt) - Training Course Fees: 4410 € Euro

Introduction

Project engineering plays a pivotal role in ensuring that complex technical projects are delivered efficiently, safely, and within scope, time, and budget constraints. It bridges the gap between engineering design, project execution, and operational performance.

This 5-day intensive training program, developed by [Global Horizon Training Center](#), equips professionals with the skills required to manage engineering aspects of projects effectively. It integrates engineering practices with project management methodologies to enhance planning, coordination, execution, and delivery.

Participants will gain practical knowledge to manage multidisciplinary engineering projects, optimize resources, and ensure project success in dynamic environments.

Course Objectives

By the end of this program, participants will be able to:

- Understand the role of project engineering in project lifecycle
- Plan and manage engineering deliverables
- Coordinate multidisciplinary engineering teams
- Manage scope, cost, and schedule effectively
- Identify and mitigate technical risks
- Ensure quality and compliance in engineering execution
- Improve communication and stakeholder management
- Optimize project performance and delivery

Target Audience

- Project Engineers and Engineering Managers
- Mechanical, Electrical, Civil, and Industrial Engineers
- Project Coordinators and Supervisors
- Operations and Technical Managers
- Professionals involved in engineering project execution

Outline

Day 1: Foundations of Project Engineering

- Role of project engineering in project management
- Project lifecycle and engineering phases
- Scope definition and engineering deliverables
- Interface management

Day 2: Planning, Scheduling, and Resource Coordination

- Engineering planning and scheduling
- Work Breakdown Structure WBS
- Resource allocation and management
- Coordination across disciplines

Day 3: Cost Control, Risk, and Technical Challenges

- Engineering cost estimation and budgeting
- Risk identification and mitigation
- Managing technical uncertainties
- Change management in engineering projects

Day 4: Execution, Quality, and Performance Monitoring

- Engineering execution strategies
- Quality assurance and control QA/QC
- Monitoring project performance
- Managing project variations

Day 5: Leadership, Communication & Project Optimization

- Leadership in engineering teams
- Stakeholder communication and reporting
- Conflict resolution and decision-making
- Final workshop: Managing an engineering project lifecycle
- Review and evaluation

Registration form on the Training Course: Mastering Project Engineering for Optimal Project Management

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

Delegate Information

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 Personal E-Mail:
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Person Responsible for Training and Development

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 Position:
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 Personal E-Mail:
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Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
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