



*Training Course:
Planning, design and follow-up technical and
engineering projects*

*9 - 13 May 2027
Cairo (Egypt)*

Training Course: Planning, design and follow-up technical and engineering projects

Training Course code: EN624 From: 9 - 13 May 2027 Venue: Cairo (Egypt) - Training Course Fees: 4410 € Euro

Introduction

Technical and engineering projects require structured planning, precise design, and continuous follow-up to ensure successful delivery within scope, time, and budget. Effective coordination between design, execution, and monitoring phases is essential to achieve high-quality outcomes and operational efficiency.

This program, designed by Global Horizon Training Center, equips participants with the methodologies, tools, and practical skills required to plan, design, and effectively follow up on engineering and technical projects across their lifecycle.

Course Objectives

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

- Understand the lifecycle of technical and engineering projects
- Develop detailed project plans and schedules
- Apply engineering design principles and coordination practices
- Monitor project progress and performance effectively
- Manage resources, risks, and constraints
- Implement follow-up and reporting systems
- Ensure quality and compliance with technical standards
- Improve project delivery and operational efficiency

Target Audience

This program is designed for:

- Project Engineers and Project Managers
- Technical and Engineering Professionals
- Planning and Scheduling Engineers
- Construction and Operations Supervisors
- Consultants and Design Engineers
- Professionals involved in project coordination and execution

Outline

Day 1: Fundamentals of Engineering Project Management

- Overview of project lifecycle initiation, planning, execution, closure
- Types of engineering projects
- Roles and responsibilities
- Introduction to project planning tools
- Key success factors

Day 2: Project Planning and Scheduling

- Work Breakdown Structure WBS
- Project scheduling techniques Gantt, CPM
- Resource planning and allocation
- Cost estimation basics
- Risk identification and planning

Day 3: Engineering Design and Coordination

- Design process and stages
- Technical specifications and standards
- Multidisciplinary coordination civil, mechanical, electrical
- Design reviews and approvals
- Managing design changes

Day 4: Project Monitoring and Follow-Up

- Progress tracking and reporting
- Performance indicators KPIs
- Earned Value Management EVM basics
- Quality control and assurance
- Communication and stakeholder management

Day 5: Risk Management, Optimization, and Case Studies

- Risk analysis and mitigation strategies
- Problem-solving and decision-making
- Project optimization techniques
- Lessons learned and best practices
- Case studies and real-world applications

Registration form on the Training Course: Planning, design and follow-up technical and engineering projects

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

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