



*Training Course:
Engineering Projects Planning and Control*

*19 - 23 July 2026
Cairo (Egypt)*

Training Course: Engineering Projects Planning and Control

Training Course code: EN235009 From: 19 - 23 July 2026 Venue: Cairo (Egypt) - Training Course Fees: 4410 € Euro

Introduction

Effective planning and control are essential for the successful delivery of engineering projects, ensuring that scope, time, cost, and quality objectives are achieved. In complex engineering environments, structured planning and robust control mechanisms enable better decision-making, resource optimization, and risk mitigation.

This program, designed by Global Horizon Training Center, equips participants with the methodologies, tools, and best practices required to plan, schedule, and control engineering projects efficiently across their lifecycle.

Course Objectives

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

- Develop comprehensive project plans aligned with project objectives
- Create Work Breakdown Structures WBS and project schedules
- Apply scheduling techniques such as CPM and PERT
- Monitor project progress and performance using KPIs
- Control project costs and manage budgets effectively
- Identify and mitigate project risks
- Utilize project control tools and reporting systems
- Improve decision-making and project delivery outcomes

Target Audience

This program is designed for:

- Project Managers and Project Engineers
- Planning and Scheduling Engineers
- Construction and Engineering Professionals
- Cost Control and Budgeting Specialists
- Supervisors and Team Leaders in engineering projects
- Professionals involved in project execution and monitoring

Outline

Day 1: Fundamentals of Project Planning

- Introduction to engineering project management
- Project lifecycle and key phases
- Defining project scope and objectives
- Work Breakdown Structure WBS development
- Resource planning and allocation

Day 2: Project Scheduling Techniques

- Scheduling concepts and methodologies
- Critical Path Method CPM and PERT
- Developing project schedules
- Network diagrams and dependencies
- Schedule optimization and resource leveling

Day 3: Project Cost Control and Performance Monitoring

- Cost estimation and budgeting
- Earned Value Management EVM concepts
- Performance measurement and KPIs
- Progress tracking and reporting
- Forecasting project outcomes

Day 4: Risk Management and Project Control Systems

- Risk identification and assessment
- Risk mitigation and contingency planning
- Project control systems and tools
- Change management and control
- Managing project deviations

Day 5: Integration, Reporting, and Case Studies

- Integrating planning and control processes
- Reporting and communication strategies
- Decision-making based on project data
- Lessons learned and continuous improvement
- Case studies and real-world applications

Registration form on the Training Course: Engineering Projects Planning and Control

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