

Advanced Construction Project Management: Planning to Execution

Project Management
Toronto (Canada)
20 - 24 Oct 2025

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Advanced Construction Project Management: Planning to Execution

Ref: 3127_135384 **Date:** 20 - 24 Oct 2025 **Location:** Toronto (Canada) **Fees:** 4700 **Euro**

Course Description

This intensive 5-day course provides a comprehensive overview of construction project management, covering key aspects from project initiation to closeout. Participants will learn essential skills in planning, scheduling, cost control, risk management, and stakeholder communication to successfully deliver construction projects on time and within budget.

Learning Objectives

- Develop and implement effective project management plans for construction projects
- Apply advanced scheduling and cost control techniques to optimize project performance
- Identify and mitigate risks throughout the project lifecycle
- Enhance communication and collaboration among project stakeholders
- Implement best practices for quality assurance and control in construction

Course Modules

Day 1: Project Initiation and Planning

- Introduction to construction project management
- Project lifecycle and delivery methods
- Developing the project charter and scope statement
- Stakeholder identification and analysis

Day 2: Scheduling and Resource Management

- Work breakdown structure WBS development
- Critical path method CPM scheduling
- Resource allocation and leveling
- Schedule compression techniques

Day 3: Cost Estimation and Control

- Cost estimation methodologies
- Developing project budgets
- Earned value management EVM
- Cash flow forecasting and management

Day 4: Risk Management and Quality Control

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a knight) on it, set against a background of concentric circles. The text 'UK Training PARTNER' is overlaid on the right side of the board.

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- Risk identification and assessment
- Risk response planning and implementation
- Quality management systems in construction
- Inspection and testing procedures

Day 5: Project Execution and Closeout

- Contract administration and change management
- Progress monitoring and reporting
- Managing subcontractors and suppliers
- Project closeout and lessons learned

Practical Wins for Participants

- Create a comprehensive project management plan for a construction project
- Develop a detailed project schedule using CPM techniques
- Implement an earned value management system for cost control
- Conduct a risk assessment and develop mitigation strategies for a case study project

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