XCELERATE TRAINING INSTITUTE

your learning & development partner

PROJECT MANAGEMENT

Construction Project Management

DURATION	LANGUAGE	FORMAT
5 days	English	Classroom / Online

Upcoming dates

Dates	Venue	Format	Fee
3 – 7 May 2027	Live online	Online (live)	€1,200
14 – 18 Jun 2027	Bahrain	Classroom	€4,800
8 – 12 Nov 2027	Live online	Online (live)	€1,200

Register or ask a question

Online: x8ti.com/course/construction-project-management/

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Construction Project Management

Introduction

As a construction project manager, you oversee the entire project lifecycle, from initial client requirements to final handover. This Xcelerate course equips you with the knowledge and skills to effectively manage construction projects.

Learning Objectives

The objectives of this training course are to empower professionals with:

- A functional overview of the core elements of construction project management and the skills required to coordinate building projects
- The onset knowledge of the role of a Construction project manager, and the competencies needed to set yourself apart in construction management
- Knowledge on how to become adept at applying project management principles
- Knowledge on techniques for projects of various sizes and complexity
- Ability to achieve successful project delivery
- Practical experiences through the management of the project with cases, scenarios, and challenges
- Fundamental and advanced knowledge of managing stakeholders of construction projects.
- The ability to capture and understand the needs of clients and stakeholders, and create reporting structures accordingly
- The skill and ability to communicate and manage change even among construction workers, thereby supporting project functions seamlessly
- Time Management and cost management skills to avoid falling behind schedule, and over budget
- Advanced skills in how to identify risks & mitigate them
- The experience and knowledge to oversee the health and safety of all construction workers, project team members, and other stakeholders
- The knowledge and experience to effectively and successfully closeout the project

Training Methodology

This collaborative Construction Project Management Masterclass will comprise the following training methods:

- Lectures
- Seminars & Presentations
- Group Discussions
- Assignments
- Case Studies & Functional Exercises

Like all Xcelerate acclaimed courses, this masterclass also follows the ‘Do-Review-Learn-Apply’ model.

Benefits for Your Organisation

Through this course, the respective organizations through the trained professionals will benefit as follows:

- Trained and experienced professionals who deliver successful projects on time, and within budget
- Lean operations, and cost-improvised advanced technologies, thereby contributing to better productivity, output, and reduced costs
- Being at the forefront of emerging trends and technologies to secure a competitive edge in the Construction industry
- Key Construction team members, and stakeholders, being aware of the elements and complexities of construction project management
- Better risk assessment profiling and management of risks
- Seamless project delivery through better project planning, negotiation with vendors/contractors, and communication with stakeholders
- Increased credibility in the industry, through trained professionals, hence leading to potentially greater investments through investors

Benefits for You

Professionals taking this course will benefit in the following ways:

- Increased understanding and knowledge, a comprehensive overview of the construction project management process
- Gaining the essential skills required for managing a construction project
- Becoming effective, and adept at applying project management principles and techniques to projects of various sizes and complexity, to achieve successful project delivery
- Increased knowledge, and experience to train construction workers on industrial best practices
- Enhanced perspective and foresight to effectively assess future risks so that they don’t negatively impact the organization
- Enhanced skill and ability to introduce lean operations, and lean behaviors
- Enhanced career prospects, boosting your project management skills
- The ability to bring all your projects to successful conclusions – in time, under budget, and to the expectation of the key stakeholders
- Increased your professional marketability through the certification

Who Should Attend

- Construction project managers
- Management and/or senior management of organizations who must understand the importance of all elements that need expertise in construction project management
- Professionals looking to develop their careers in Construction Project Management
- Junior engineers/project managers
- Civil Engineers, Designers, Architects, Construction Clients, Consultants, Contractors, and other stakeholders.
- Any other professional, who would like to find out and learn more about project management in the

Construction Industry

Course Outline

Introduction to Construction Management

- Overview of the construction industry.
- Project & Life Cycle
- What is Construction Management

Project Delivery Method / Management of a Construction Project

- Project management methods
- Project delivery methods
- Payment and procurement methods
- The design-bid-build method
- The design-build method
- Construction manager at risk (CMAR)
- Integrated project delivery (IPD)
- Embracing Change

Planning & Scheduling / Construction Scheduling

- Project Planning
- Types of schedules
- Planning versus scheduling
- Bottom-up & Top-Down Scheduling
- Work Breakdown Structure “WBS”
- Network diagrams
- Schedule activity start and finish dates
- Assigning duration, costs, and resources
- Establishing early start, late start, and finish times
- Identify the critical path
- Bar Charts, Precedence Diagrams

Time Management

- Time management Cycle
- Time management factors
- Schedule Level of Reporting
- Progress Reports
- Progress Report Analysis
- Project Crashing
- Examples & Solutions
- Schedule Update

Construction Finance – Cost Estimating, Planning & Control

- Managing Construction Costs
- Cost Types
- Types of Estimates
- Pre-Estimate Process
- Factors that Impact the Estimation
- Estimation Process
- Monitoring & Controlling
- Labor Cost & Control
- Equipment Cost & Control
- Materials Costs & Control
- General Overhead Cost & Control
- Reports
- Earned Value
- EV Example & Solution

Procurement Management

- Public Projects Vs Private Projects
- Procurement Selection Methods
- Vendor Selection
- Types of contracts
- PDM & Selection Methods

Quality Management

- Quality in Construction
- Quality Shortfall
- TQM
- Six Sigma
- Quality Assurance
- Quality Control

Safety Management

- What is Safety
- Safety Reports & interpretations
- OSHA
- Incidents & SDS
- Safety Manager Plan
- Safety Plan in Project Phases

Construction Risk Management

- Defining risk
- The role of the construction manager

- Risk vs. project type
- Risk vs. project delivery method
- Risk analysis approaches
- Establishing a documentation system
- Methods of controlling risk
- Understanding risk transfer

Introduction to Lean Construction

- Introduction to lean
- Lean in Construction
- Embracing lean productivity
- Lean processes
- Identifying wastes
- Minimizing wastes at the project level
- Empowerment of the field workers
- Pull planning
- Continuous improvement

Construction Technology on the Jobsite

- Use of Tablets, rather than printed drawings
- Laser scanning vs tape measurements
- Bringing VR into perspective
- Benefits of using technology
- Ways technology has changed the field

Project Close-Out

- Closeout Process
- Punch List
- Substantial Completion/Final Completion

Innovation in the Construction Industry

- Types of the construction projects
- Productivity challenges in the construction industry
- Megatrends of the construction industry
- Technological and innovative trends rising in our construction industry
- Case studies

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Registration Form

Construction Project Management

Preferred dates: ..... Venue or online: .....

Duration: 5 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Email: .....

Payment

☐ Please invoice me ☐ Please invoice my company

Signature: ..... Date: .....

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Email this form
info@x8ti.com

Register online
Open the course page