



*Training Course:
Construction Quality Management (CQM)*

*24 - 28 May 2027
Kigali (Rwanda)*

Training Course: Construction Quality Management (CQM)

Training Course code: MA234594 From: 24 - 28 May 2027 Venue: Kigali (Rwanda) - Training Course Fees: 6350 € Euro

Introduction

Construction projects demand rigorous quality management to ensure compliance with specifications, safety standards, and client expectations. This program, developed by [Global Horizon Training Center](#), provides a comprehensive framework for managing quality throughout the construction lifecycle—from planning and design to execution and project closeout.

Participants will gain practical knowledge of quality control and assurance processes, inspection techniques, documentation, and continuous improvement practices. The course also emphasizes the integration of quality management with project management, risk control, and regulatory compliance to deliver successful, defect-free construction projects.

Course Objectives

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

- Understand the principles and importance of Construction Quality Management
- Differentiate between Quality Assurance QA and Quality Control QC
- Develop and implement Quality Management Plans QMP
- Apply inspection and testing procedures in construction projects
- Ensure compliance with codes, standards, and specifications
- Identify and manage quality risks and non-conformities
- Utilize documentation and reporting systems for quality tracking
- Integrate quality management with project execution and control
- Implement continuous improvement practices in construction projects

Target Audience

This program is designed for:

- Construction Project Managers and Engineers
- Quality Assurance and Quality Control QA/QC Engineers
- Site Engineers and Supervisors

- Contractors and Subcontractors
- Consultants and Project Owners' Representatives
- HSE and Compliance Professionals in construction
- Professionals involved in construction project delivery and inspection

Outline

Day 1: Foundations of Construction Quality Management

- Introduction to Construction Quality Management CQM
- Quality Concepts and Principles in Construction
- Quality Assurance QA vs. Quality Control QC
- Roles and Responsibilities in Quality Management
- Standards and Codes ISO, ASTM, Local Regulations
- Developing a Quality Management Plan QMP

Day 2: Quality Planning and Documentation

- Quality Planning Processes in Construction Projects
- Inspection and Test Plans ITPs
- Method Statements and Work Procedures
- Document Control and Record Management
- Material Quality Control and Approval Processes
- Supplier and Subcontractor Quality Management

Day 3: Inspection, Testing, and Compliance

- Inspection Techniques and Procedures
- Testing Methods for Construction Materials and Works
- Site Quality Control Practices
- Non-Conformance Reports NCR and Corrective Actions
- Quality Audits and Compliance Monitoring
- Ensuring Regulatory and Contractual Compliance

Day 4: Quality Control in Project Execution

- Integrating Quality with Project Management
- Monitoring and Controlling Quality Performance
- Risk Management in Construction Quality
- Managing Defects and Rework
- Communication and Coordination for Quality Assurance
- Case Studies: Quality Failures and Lessons Learned

Day 5: Continuous Improvement and Best Practices

- Quality Performance Measurement KPIs
- Root Cause Analysis and Problem Solving
- Continuous Improvement Techniques Lean, Six Sigma Basics
- Lessons Learned and Knowledge Management

- Digital Tools and Technology in Quality Management
- Final Case Study and Practical Applications

Registration form on the Training Course: Construction Quality Management (CQM)

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

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Payment Method

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