London TDM

Civil and Construction Engineering Training Courses

Course Venue: Malaysia - Kuala Lumpur

Course Date: From 03 May 2026 To 07 May 2026

Course Place: Royale Chullan Hotel

Course Fees: 6,000 USD

Introduction

The "Quality Control in Construction Projects" course is designed to enhance the understanding and application of quality management principles within construction projects. Participants will gain practical knowledge and skills required to ensure project quality standards are met efficiently and effectively. This course caters to construction professionals seeking to improve project outcomes by integrating quality control processes.

Objectives

- Understand the fundamentals of quality management in construction.
- Identify and implement essential quality control processes and tools.
- Develop skills to effectively monitor and manage project quality.
- Enhance problem-solving abilities in dealing with quality issues.
- Learn how to integrate quality control with other project management processes.

Course Outlines

Day 1: Introduction to Quality Control in Construction

- Overview of Quality Control and Assurance
- The Importance of Quality in Construction Projects
- Quality Control Standards and Regulations
- Roles and Responsibilities in Quality Management
- Case Studies: Success and Failures in Project Quality

Day 2: Quality Planning and Documentation

- Developing a Quality Management Plan
- Identifying Quality Requirements
- Tools for Quality Planning
- Creating and Managing Quality Documentation
- Revision and Control of Quality Documents

Day 3: Quality Control Processes and Tools

- Inspection and Testing Techniques
- Non-Destructive Testing Methods
- Utilizing Checklists and Quality Audit Tools
- Data Collection and Analysis for Quality Control
- Implementing Corrective and Preventive Actions

Day 4: Monitoring and Measuring Project Quality

- Setting Up Quality Metrics and Indicators
- Real-Time Monitoring of Quality Activities
- Conducting Effective Quality Audits
- Reporting Quality Performance
- Feedback Mechanisms for Continuous Improvement

Day 5: Integrating Quality Control with Project Management

- Working with Project Managers and Teams
- Balancing Quality with Project Constraints
- Integrating Quality Control in Procurement Processes
- Risk Management and Its Impact on Quality
- Closing the Loop: Final Quality Review and Handover