Course: Construction Quality Control and Site Inspection

Code	City	Hotel	Start	End	Price	Language - Hours
510	Dublin (Ireland)	Hotel Meeting Room	2025-01-13	2025-01-17	5450 €	En - 25

Needs & Benefits

Quality is the most elusive word in the construction industry. Buyers say they want it. Contractors say they deliver it. Yet the general perception is that quality (whatever it is) is declining in the field of construction. Skill and workmanship are frequent causes for the quality problems. Material selection is the next most common cause. Finally, inadequate or superficial design and/or preparation are responsible for a significant portion of the quality compromises. Today it is true that many accredited certified Contractors are professional in their approach, and owing to strict internal and external audits, maintain a high standard of operations compliant with their QA System. However, it has now become evident that although a QA Registered Contractor can boast of a wellâ€managed paperwork system, the same is not always true when it comes to supervising works out on site. Defects and failures still occur even though a Contractor is QA Registered. Many Clients have also become concerned that the influx of foreign labor if used on their sites could affect the standard of construction, not because they are bad trades men, but because of their lack of management and language skills and interpretation of Specification and Quality and Health & Safety requirements. Independent Site Inspectors provide reassurance and peace of mind that the works being carried out are in line with the contract documents and recognized workmanship standards. They monitor the conditions that works are carried out in to ensure that it is done as designed. They witness tests to verify that the works meet specified requirements. They monitor progress against the program so that an independent view of where the contract is at any given stage is balanced against the contractor's own assessments. By providing weekly reports they are able to advice on

all aspects of the works in progress and highlight any concerns to deal with it before it is too late. This training program is designed to cover the concepts, policies, and techniques of managing the QA and QC activities in construction business establishments.

Providing the participants with solid understanding of:

Implementing Quality Assurance Systems (QAS) in the construction field.

- The roles of Quality Control (QC) in modern construction enterprises.
- Tools and techniques for detecting and solving quality problems in site inspection,
- Setting quality control systems
- Ensuring high quality materials are used & the materials are installed correctly.
- Ensuring that the quality of installation is up to the desired standard according to the client requirements.
- Ensuring that the Engineers requirements & the Architectural plans are followed correctly.
- Ensuring the project meets the Building Codes and Standards

Who Should Attend?

Construction quality control managers & site engineers and their subordinates

Course Curriculum

Concepts and Basics

- The concept of quality,
- The achievement of Quality
- Inspection of quality
- Defects and their impact,

- Quality costs and their categories,
- How to turn quality costs into profits,
- Defect prevention concept,
- What is QA?
- The system approach to QA.
- Quality creator and quality user,
- Organization for quality,
- Applications in construction

The Construction Tradition

- Building and architecture
- Construction and project management contracts
- Construction contracts as quality systems
- Responsibilities of architects, engineers, and subcontractors
- Customer€Related Processes
- Definition of requirements,
- Review and approval,
- Customer communication

Quality in Procurement

- Supplier selection,
- Supplier evaluation,
- Verification of supplied items and services,
- Contractor's responsibilities.

Quality of Conformance in construction site

- Perfect construction concepts,
- Sampling and inspection plans,
- Disposition of nonconformities,

- Control of measurement methods and devices

Inspection and test planning

- Inspection and test characteristics
- Allocation of inspection and test points
- Inspection and test procedures
- Inspection and test devices (calibration).

Control and analysis of quality records

- Types of quality control records
- Record keeping
- Summarization of quality control records

The Scandinavian Academy for Training and Development employs modern methods in training and skills development, enhancing the efficiency of human resource development. We follow these practices:

- **Theoretical Lectures:**
  - We deliver knowledge through advanced presentations such as PowerPoint and visual materials, including videos and short films.
- **Scientific Assessment:**
  - We evaluate trainees skills before and after the course to ensure their progress.
- **Brainstorming and Interaction:**
  - We encourage active participation through brainstorming sessions and applying concepts through role play.
- **Practical Cases:**
  - We provide practical cases that align with the scientific content and the participants specific needs.
- **Examinations:**
  - Tests are conducted at the end of the program to assess knowledge retention.
- **Educational Materials:**
  - We provide both printed and digital scientific and practical materials to participants.
- **Attendance and Final Result Reports:**
  - We prepare detailed attendance reports for participants and offer a comprehensive program evaluation.
- **Professionals and Experts:**
  - The programs scientific content is prepared by the best professors and trainers in various fields.
- **Professional Completion Certificate:**
  - Participants receive a professional completion certificate issued by the Scandinavian Academy for Training and Development in the Kingdom of Sweden, with the option for international authentication.
- **Program Timings:**
  - Training programs are held from 10:00 AM to 2:00 PM and include coffee break sessions during lectures.