

Construction Quality Control Program

Course Objectives:

Upon successful completion of this course, the delegates will be able to:

- Implement Quality Assurance Systems (QAS) in the construction field.
- Perform the roles of Quality Control (QC) in modern construction enterprises.
- Use the tools and techniques for detecting and solving quality problems in site inspection, setting quality control systems and use high quality materials and installation with the desired standards in accordance to the requirements
- Recognize the quality objectives, forms, documents and the required procedures
- Audit, inspect and use the corrective and preventive action procedure in quality control
- Carryout problem solving and determine the root cause and analysis as well as the specific codes and standards in effective quality control

Who Should Attend?

This course is intended for senior engineers, projects engineers, design engineers, construction quality control managers as well as site engineers and their subordinates.

Course Outline:

Day 1:

Introduction QA/QC

- Concept and Vocabulary
- Overview of Construction Process
- Quality
- Quality from within the ISO Standard
- Quality Advocate

Day 2:

Quality Objectives

- Quality Objective (Workshop)
- Quality Policy
- Quality Team & Responsibility

Day 3:

QA/QC Forms, Documents & Procedures

- Document Control
- Document Control & Obsolete Procedure
- Quality Plan Overview
- Method Statement Development

Day 4:

QA/QC Audit & Inspection

- Auditing in General
- Audit Procedure
- QA/QC General Inspection
- Non-conformity, Corrective and Preventive Action Procedure Overview Corrective and Preventive Action
- Internal Audit Procedure

Day 5:

QA/QC Effectiveness

- Problem Solving
- Root Cause Analysis
- Metrics “Measuring Tools”
- Codes & Standards

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work
- Discussion
- Presentation