



# Quality Assurance & Quality Control for Engineers Training Course

11 – 15 January 2027  
Cairo



## Quality Assurance & Quality Control for Engineers Training Course

**Ref:** 36219\_16797 **Date:** 11 – 15 January 2027 **Location:** Cairo **Fees:** 4100 Euro

## Quality Assurance & Quality Control for Engineers Training Course Overview:

This course is designed to equip engineers with in-depth knowledge of quality assurance and quality control processes specific to construction and engineering projects. The curriculum focuses on the practical aspects of implementing quality protocols during various stages of project development, from design to construction, ensuring compliance and excellence in delivery.

### Target Audience:

- Engineers
- Project Managers
- Quality Control Personnel
- Construction Managers

### Targeted Organizational Departments:

- Engineering
- Quality Assurance
- Quality Control
- Construction Management

### Targeted Industries:

- Construction
- Infrastructure Development
- Civil Engineering

### Course Offerings:

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

- Understand the quality improvement process.
- Implement a quality improvement plan.
- Use data quality tools and quality control tools.
- Develop and manage quality improvement initiatives.
- Apply continuous quality improvement principles.



## Training Methodology:

Case studies  
Group work  
Interactive sessions  
Feedback sessions

## Course Toolbox:

- Fundamentals of Quality Control and Improvement Solution Manual
- Set of quality assurance tools
- Quality management system training modules
- Toolkit of quality control tools

## Course Agenda:

### Day 1: Introduction to Quality Assurance and Control

- **Topic 1:** Overview of Quality Management Systems for Engineers
- **Topic 2:** Importance of Quality Assurance in Engineering Projects
- **Topic 3:** Quality Assurance Tools for Construction
- **Topic 4:** Quality Reporting for Engineering Projects
- **Reflection & Review:** Review of day's topics and group discussion on the application of learned quality control techniques.

### Day 2: Implementing Quality Control in Projects

- **Topic 1:** Construction Quality Control Techniques
- **Topic 2:** Engineering Quality Improvement
- **Topic 3:** Quality Tools for Construction Managers
- **Topic 4:** Design Quality Control in Engineering
- **Reflection & Review:** Case study analysis and feedback on quality improvement implementation strategies.



### Day 3: Advanced Quality Assurance Strategies

- **Topic 1:** Infrastructure Development Quality Assurance
- **Topic 2:** Advanced Quality Control Techniques
- **Topic 3:** Civil Engineering Quality Control Techniques
- **Topic 4:** Quality Assurance Responsibilities in Construction
- **Topic 5:** Construction Material Testing Procedures
- **Reflection & Review:** Interactive session on integrating quality assurance into daily engineering practices.

### Day 4: Quality Management in Practice

- **Topic 1:** Rework Procedures in Construction Management
- **Topic 2:** Quality Improvement Process for Engineers
- **Topic 3:** Quality Management Systems for Engineers
- **Topic 4:** Overview Construction Quality Control
- **Topic 5:** The Role Of Quality Assurance Engineer
- **Reflection & Review:** Group workshop on problem-solving using quality management tools.

### Day 5: Rework and Reporting

- **Topic 1:** Complete Rework Items Procedures
- **Topic 2:** Strategic Application of Quality Control in Construction Projects
- **Topic 3:** Finalizing Quality Improvement Initiatives
- **Topic 4:** Effective Reporting Techniques
- **Reflection & Review:** Final review session and feedback, preparation for course certification.

## How This Course is Different from Other Quality Assurance & Quality Control Courses:

#### How This Course Stands Out:

This specialized training for engineers emphasizes practical application of quality assurance and control techniques tailored to engineering projects, focusing on construction and infrastructure. It combines theoretical knowledge with hands-on tools, enhancing participants' ability to implement and manage quality systems effectively.

This agenda provides a structured and detailed framework, ensuring a comprehensive approach to quality control in engineering, equipping participants to handle the complexities of quality management in their professional roles.