



المركز العالمي للتدريب والتطوير  
International Centre For Training & Development



# CC1601

## QUALITY PAVEMENT CONTROL

### Construction and Sustainability



**ACTVET**  
Abu Dhabi Centre for  
Technical and Vocational  
Education and Training  
مركز أبوظبي للتعليم  
التقني والتدريب  
المهني

**GInI** GLOBAL  
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International Association  
for Health and Occupational Safety  
and the Environment

**EFQM**  
Member



## Course Introduction:

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In this course you will learn the responsibility of QA/QC in the construction industry specifically and direct to the point, how to develop quality plan, method statement, inspect, audit and engage root cause analysis develop metrics in order to monitor the effective implementation of work performed. Generate specific and general information on the aspect of Quality.

## Course Objectives:

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

- Apply the knowledge of the principles and practices of quality control and sustainable pavement construction
- Demonstrate the design requirements, properties and characteristics of site foundations
- Implement the standard operating procedures for construction in different regions or global engineering contexts
- Gather data about the essentials to solve complex problems in construction
- Investigate the quality of constructions based on standard operating procedures and financial viability
- Prepare QA/QC for site work and communicate well with project manager, construction manager, project engineers, and site foreman

## Who Should Attend?

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Everyone who is interested in understanding the aspect of QA/QC in the construction industry such as engineers, supervisor's construction managers, and other interested parties.

The course would undoubtedly be of immense value and interest to:

Road Engineers, Quality Engineers, Technicians (including Laboratory) and decisions makers from:

- All Municipalities
- All Departments of Public Works
- Airports Authorities
- Civil Engineering Consultants
- Road Construction Companies (large and small)
- Bituminous binder manufacturers/suppliers
- Asphalt manufacturers/applicators
- Stone quarry Companies
- Entrepreneurs with a vision for niche markets

# Course Outline:

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## 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
- Nonconformity, corrective and preventive action
- Procedure overview Corrective and preventive action (workshop)
- Internal audit procedure

## DAY 5: QA/QC EFFECTIVENESS

- Problem solving
- Root cause analysis (workshop)
- Metrics "measuring tools"
- Codes & Standards

## Course Certificate:

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**International Center for Training & Development (ICTD)** will award an internationally recognized certificate(s) for each delegate on completion of training.

## Course Methodology:

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**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

## Course Fees:

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**To be advised as per the course location.** This rate includes participant's manual, Hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

## Course Timings:

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### Daily Course Timings:

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|---------------|-------------------------------|
| 08:00 - 08:20 | Morning Coffee / Tea          |
| 08:20 - 10:00 | First Session                 |
| 10:00 - 10:20 | Recess (Coffee/Tea/Snacks)    |
| 10:20 - 12:20 | Second Session                |
| 12:20 - 13:30 | Recess (Prayer Break & Lunch) |
| 13:30 - 15:00 | Last Session                  |