COURSE OVERVIEW PM0262
Construction Quality Control and Site Inspection

Course Title
Construction Quality Control and Site Inspection

Course Date/Venue
Session 1: May 25-29, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE
Session 2: November 03-07, 2025/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Course Reference
PM0262

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Description

This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using our state-of-the-art simulators.

This course is designed to provide participants with a detailed and up-to-date overview of quality control in constructions. It covers the construction and quality; the ISO 9000; the certification of a quality management system; the quality/occupational health and safety/environment; the on-site responsibilities and interfaces; and the construction quality management and project quality plans.

During this interactive course, participants will learn the material management, nonconformities, quality audits and guidelines for auditing including a model procedure; the management reviews and completion report on site during construction; the construction supervision; the preconstruction site investigation, planning, scheduling, estimating and design; the project start-up and mobilization, materials and equipment/plant management, labor management, contractor/subcontractor management and cost control; and the safety/HSE management, supply chain management, risk management, contract and claim management, value engineering and application of controls.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on quality control in constructions
- Discuss construction and quality covering material, equipment, material and works, interested parties and project strategy
- Recognize contractual environment, quality control and quality assurance
- Explain ISO 9000 comprising of quality assurance, difficulties met and the rationale for formal quality management systems
- Interpret certification of a quality management system including quality/occupational health and safety/environment
- Recognize on-site responsibilities and interfaces as well as apply construction quality management and project quality plans
- Discuss construction contractors and construction-engineering interface
- Carryout material management, material control procedure, incoming inspection, ongoing inspection and maintenance and traceability
- Identify nonconformities and how to manage them as well as apply quality audits and guidelines for auditing including a model procedure
- Interpret management reviews and completion report on site during construction
- Illustrate construction completion and turnover covering activity phases on site, contractual milestones and responsibilities of parties present
- Employ procedure for turnover to the owner and construction completion and turnover by functional systems
- Apply construction supervision covering preconstruction site investigation, planning, scheduling, estimating and design
- Illustrate project start-up and mobilization, materials management, equipment/plant management, labor management, contractor/subcontractor management and cost control and management
- Implement safety/HSE management, supply chain management, risk management, contract and claim management, value engineering and application of controls

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of quality control in constructions for quality managers, quality engineer (QA/QC), project managers, project engineers, construction managers, construction engineers, site superintendents, supervisors and senior foremen.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Certificates are accredited by the following international accreditation organizations:-

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

- The International Accreditors for Continuing Education and Training (IACET - USA)

  Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

  Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

  Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Dr. Joe Nel, PEng, PhD, MSc, MBA, BSc, PMI-PMP, is **Senior Proj Management Consultant** with over **20 years** of experience within **Oil**, **Gas** and **Petrochemical** industries. His expertise includes **Proj** Management, **Project Risk Management**, **Risk Identification Tool Techniques**, **Project** Life Cycle, **Project Stakeholder** & Governan **Project Management** Processes, **Project Governance** & **Sta** Management, **Project** Management Methodology, **Project Integrat** Management, **Project** Management Plan, **Project Work** Monitorin Control, **Project Scope** Management, **Project Time** Management, **Project C** Management, **Project Quality** Management, **Value Engineering**, **Quality** Assuran **Project Human Resource** Management, **Project Communications** Manageme **Contract** Management, **Logistics & Supply Chain** Management, **Materi** Management, **Asset** Management, **Procurement & Purchasing** Management, **Qua Management System** (**QMS**), **Business** Management, **Time** Manageme **Performance** Management, **Construction** Management, **Negotiation & Presentat Skills**, **Supervisory & Management Skills**, **Purchasing**, **Warehousing**, **Coachin Mentoring** and **Strategic Decision Making**. Further, his experience includes resou management, systems development, financial analysis & forecast, risk identificatio analysis and material appraisal. He is currently the **Senior Consultant** wherein he responsible of the project management systems and processes.

During Dr. Nel's career life, he has shared his knowledge and practical expertise throu numerous trainings worldwide and as a **Professor**, **Lecturer & Facilitator** of vari **universities**. He has shown his expertise in challenging positions such as the **Proj Manager**, **Senior Consultant**, **Senior Trainer**, **Office Manager**, **General Product Manager**, **Junior Design Engineer** and **Site Engineer**.

Dr. Nel is a **Registered Professional Engineer** by **ECSA**, has **PhD** in **Indust Engineering**, **Master's** degrees in **Civil Engineering** and **Business Administrat** (**MBA**) and a **Bachelor's** degree in **Civil Engineering** from the **University Stellenbosch**. Further, he is an active **member** of the South African Institute of C Engineers (**SAICE**), the Institute of Municipal Engineers South Africa (**IMESA**) and Project Management South Africa (**PMSA**). Moreover, he is a **Certified Inter Verifier/Assessor/Trainer** by the **Institute of Leadership & Management** (**ILM Certified Instructor/Lecturer**, **Project Management Professional** and has certificati in **PRINCE2 Foundations** and **Construction Management** Program. He has delive numerous trainings, workshops, seminars, courses and conferences internationally.

Course Fee

US$ 5,500 per Delegate. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Construction & Quality*** *Material, Equipment, Material & Works ● Interested Parties ● Project Strategy ● Contractual Environment ● Quality Control & Quality Assurance*
0930 – 0945	*Break*
0945 – 1100	***ISO 9000*** *Quality Assurance ● Difficulties Met ● The Rationale for Formal Quality Management Systems ● Certification of a Quality Management System ● Quality/Occupational Health & Safety/Environment*
1100 – 1215	***On-Site Responsibilities & Interfaces*** *The Owner ● The EPCM Contractor ● Construction Contractors ● Suppliers' Representatives ● Special-Service Providers ● Utility Companies*
1215 – 1230	*Break*
1230 – 1420	***On-Site Responsibilities & Interfaces (cont'd)*** *The Insurer ● Authorities ● The Architect ● Plant Extensions & Modifications ● Small Construction Sites*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2

0730 – 0930	***Construction Quality Management*** *The Corporate Quality Manual ● Creating the Site Quality Plan ● The Organization Chart ● The Site Director ● The Site Quality Assurance Manager ● Responsibilities for Quality Control ● Case Study*
0930 – 0945	*Break*

0945 – 1100	***Project Quality Plans*** *The Project Quality Plan (PQP) ● The Limitations of PQPs ● The Detail Quality Plan (DQP)*
1100 – 1215	***Construction Contractors*** *Selecting the Construction Contractors ● The Initial Site Meeting with each Construction Contractors ● Site Quality Plan ● Inspection & Test Plan*
1215 – 1230	*Break*
1230 – 1420	***Construction Contractors (cont'd)*** *Procedures & Method Statements ● Inspection & Test records ● Construction Quality File ● Inspection, Measuring & Test Equipment ● Case Study*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3

0730 – 0930	***Construction-Engineering Interface*** *Types & Origins of Engineering Documents ● EPCM Contractor's Specifications & Drawings ● Suppliers' Documentation ● Construction Contractors' Specifications & Drawings ● Engineering Standards & Codes of Practice*
0930 – 0945	*Break*
0945 – 1030	***Construction-Engineering Interface (cont'd)*** *Document Control ● Engineering Site Queries ● 'As-Built' Drawings ● Information Technology Infrastructure ● Case Study*
1030 – 1100	***Material Management*** *Sources of Material ● Purchase Orders ● Material Storage Facilities ● Material Control Procedure ● Incoming Inspection, Ongoing Inspection & Maintenance ● Traceability ● Spare Parts ● Case Study*
1100 – 1215	*Break*
1215 – 1420	***Nonconformities*** *What are Nonconformities & How do we Manage them? ● Resolution ● Model Procedure ● Few or Many Nonconformity Reports ● Case Study*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4

0730 – 0930	***Quality Audits*** *Guidelines for Auditing, Including a Model Procedure ● Typical Audit Questions ● Case Study*
0930 – 0945	*Break*
0945 – 1100	***Management Reviews & Completion Report*** *Management Reviews on Site During Construction ● Construction Completion Report*
1100 – 1215	***Construction Completion & Turnover*** *Activity Phases on Site ● Contractual Milestones ● Responsibilities of Parties Present*
1215 – 1230	*Break*
1230 – 1420	***Construction Completion & Turnover (cont'd)*** *Construction Completion Procedure ● Procedure for Turnover to the Owner ● Construction Completion & Turnover by Functional Systems ● Case Study*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Four*

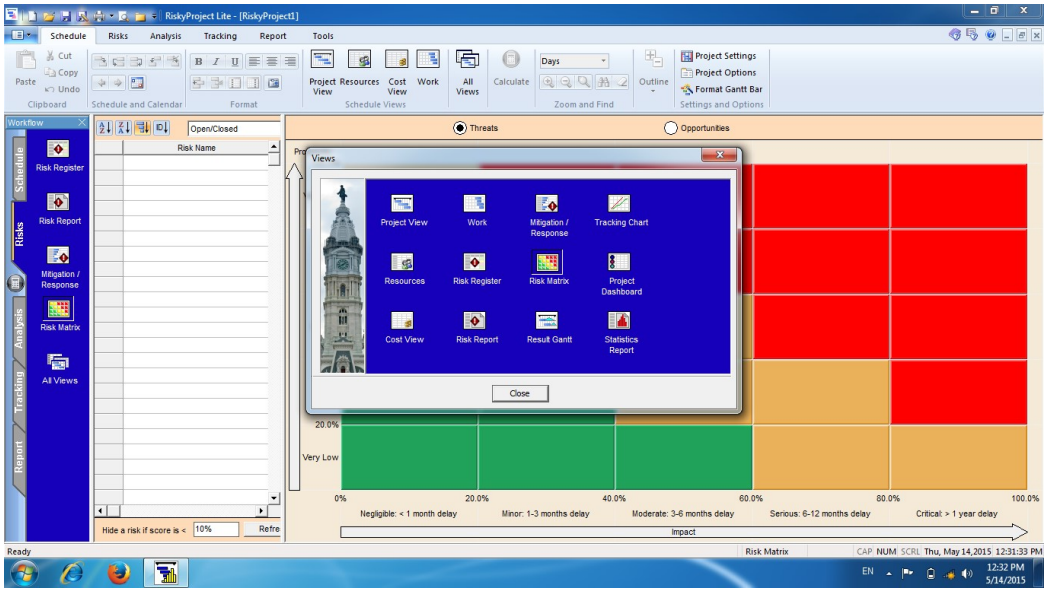
Day 5

0730 – 0930	***Construction Supervision*** *Preconstruction Site Investigation, Planning, Scheduling, Estimating & Design ● Project Start-Up & Mobilization ● Materials Management ● Equipment/Plant Management*
0930 – 0945	*Break*
0945 – 1100	***Construction Supervision (cont'd)*** *Labor Management ● Contractor/Subcontractor Management ● Cost Control & Management*
1100 – 1215	***Construction Supervision (cont'd)*** *Safety/HSE Management ● Supply Chain Management ● Risk Management*
1215 – 1230	*Break*
1230 - 1345	***Construction Supervision (cont'd)*** *Contract & Claim Management ● Value Engineering ● Application of Controls*
1345 - 1400	***Course Conclusion***
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Simulator (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using "MS Project" and "Risky Project Software".

"MS Project"



"Risky Project Software"

Course Coordinator

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