



COURSE OVERVIEW PM0268 Construction Quality Management & Control Onsite

Course Title

Construction Quality Management & Control Onsite

Course Date/Venue

Session 1: February 18-22, 2024/The Mouna Meeting Room, The H Dubai Hotel, Sheikh Zayed Rd - Trade Centre, Dubai, UAE

Session 2: March 03-07, 2024/Kizkulesi, Crown Plaza Istanbul Asia Hotels & Convention Center, Istanbul, Turkey



Course Reference

PM0268

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 project quality management plan, project quality plan, construction engineering, EPC projects, material management and project turnover. It covers the material, equipment, material and works, interested parties and project strategy; the contractual environment, quality control and quality assurance; and the ISO 9000 comprising of quality assurance, difficulties met and the rationale for formal quality management systems.



Further, this course will also discuss the certification of a quality management system including quality/occupational health and safety/environment; the on-site responsibilities and interfaces; the construction quality management and project quality plans; the construction contractors and construction-engineering interface; and the material management, material control procedure, incoming inspection, ongoing inspection and maintenance and traceability.

During this interactive course, participants will learn the nonconformities and how to manage them; the quality audits and guidelines for auditing including a model procedure; the management reviews and completion report on site during construction; the construction completion and turnover covering activity phases on site, contractual milestones and responsibilities of parties present; and the procedure for turnover to the owner, construction completion and turnover by functional systems.

Course Objectives

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

- Apply and gain an in-depth knowledge on project quality management including project quality plan, construction engineering, EPC projects, material management and project turnover
- 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

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** of the course materials, sample video clips of the instructor’s actual lectures & practical sessions during the course conveniently saved in a **Tablet PC**.*

Who Should Attend


This course provides an overview of all significant aspects and considerations of project quality management including project quality plan, construction engineering, EPC projects, material management and project turnover 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:-


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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.

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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.

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:



Mr. Pete Du Plessis is a **Senior Project Management Consultant** with over **35 years** of extensive experience. His expertise lies extensively in the areas of **Value Engineering, Project & Contracts Management Skills, Project & Construction Management, Project Planning, Scheduling & Control, Project Management, Project Leadership, Communication & Negotiation, Project Quality Management, Project Scheduling & Cost Control, Project Risk Management, Project Life Cycle, Project Stakeholder & Governance, Project Management Processes, Project Integration Management, Project Work Monitoring & Control, Project Scope Management, Commercial Negotiation Skills, Contract Management, Contract Negotiation, Risk Management & Contractors Selection, Supplier Assessment, Supplier & Contractors' Management, Supplier Claim Management, Effective Tendering & Supplier Selection, Supplier Relationship Management, Suppliers & Contractors Management, Suppliers Assessment & Performance Measurement, Effective Purchasing & Supplier Selection, Essential Management of Suppliers & Contractors, Contractors Agreements & SLAs, Contractors Evaluation, Budgeting & Forecasting Skills, Effective Budgeting & Cost Control, Financial Analysis & Reporting, Budget Preparation Skills, Business Process Development, Business Process Optimization, Business Process Analysis, Business Process Improvement, Business Continuity Planning, Service Provider Performance & Monitoring, Cash Flow Fundamentals, Business Finance Fundamentals, Business Continuity Fundamentals, Situational Analysis Fundamentals, Financial Management, Planning, Budgeting & Cost Control and Risk Management. Previously, he was the **Quality Manager of Benteler Automotive**, where he was responsible for implementing, controlling and managing quality and technical department processes and systems and mobilizing the quality control department, procedures and quality management system.**

During his career life, Mr. Plessis has worked with several prestigious companies occupying numerous challenging managerial and technical positions such as being the **Financial Manager, Operations Manager, Technical & Quality Manager, Logistics & Purchasing Manager, Head Metrologist, Quality Engineer, Project Engineer, Materials & Warehouse Planner & Controller, Quality Control Inspector, Consultant, Fitter & Machinist, Apprentice Fitter and Part-time Instructor..** All throughout his career, he has mastered and specialized in the application of project management, warehouse & inventory control, value chain analysis, logistics & strategic planning, process flow analysis, business process evaluation & re-engineering, master-plan development, capacity planning and site space-planning & development.

Mr. Plessis has a **Bachelor's degree with Honours in Industrial Engineering & Management.** Further, he has gained **Diploma in Quality & Production Management.** He is also a **Certified Assessor & Moderator** with the Manufacturing, Engineering & Related Services Education and Training Authority (MERSETA), a **Certified Trainer/Assessor** by the **Institute of Leadership & Management (ILM)** and a **Certified Instructor/Trainer** by the APICS. He has further delivered numerous trainings, courses, seminars, conferences and workshops internationally

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.

Course Fee

Dubai	US\$ 5,500 per Delegate + VAT . This rate includes H-STK® (Howard Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Istanbul	US\$ 6,000 per Delegate + VAT . This rate includes Participants Pack (Folder, Manual, Hand-outs, etc.), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

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	<i>Registration & Coffee</i>
0800 – 0815	<i>Welcome & Introduction</i>
0815 – 0830	PRE-TEST
0830 – 0930	Construction & Quality <i>Material, Equipment, Material & Works • Interested Parties • Project Strategy</i>
0930 – 0945	<i>Break</i>
0945 – 1100	Construction & Quality (cont'd) <i>Contractual Environment • Quality Control & Quality Assurance</i>
1100 – 1215	ISO 9000 <i>Quality Assurance • Difficulties Met • The Rationale for Formal Quality Management Systems</i>
1215 – 1230	<i>Break</i>
1230 – 1420	ISO 9000 (cont'd) <i>Certification of a Quality Management System • Quality/Occupational Health & Safety/Environment</i>
1420 – 1430	Recap
1430	<i>Lunch & End of Day One</i>



Day 2

0730 – 1000	On-Site Responsibilities & Interfaces The Owner • The EPCM Contractor • Construction Contractors • Suppliers' Representatives • Special-Service Providers • Utility Companies
1000 – 1015	Break
1015 – 1200	On-Site Responsibilities & Interfaces (cont'd) The Insurer • Authorities • The Architect • Plant Extensions & Modifications • Small Construction Sites
1300 – 1400	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
1400 – 1415	Break
1415 – 1550	Project Quality Plans The Project Quality Plan (PQP) • The Limitations of PQPs • The Detail Quality Plan (DQP)
1550 - 1600	Recap
1600	Lunch & End of Day Two

Day 3

0730 – 0930	Construction Contractors Selecting the Construction Contractors • The Initial Site Meeting with each Construction Contractors • Site Quality Plan • Inspection & Test Plan
0930 – 0945	Break
0945 – 1100	Construction Contractors (cont'd) Procedures & Method Statements • Inspection & Test records • Construction Quality File • Inspection, Measuring & Test Equipment • Case Study
1100 – 1215	Construction-Engineering Interface Types & Origins of Engineering Documents • EPCM Contractor's Specifications & Drawings • Suppliers' Documentation • Construction Contractors' Specifications & Drawings • Engineering Standards & Codes of Practice
1215 – 1230	Break
1230 – 1420	Construction-Engineering Interface (cont'd) Document Control • Engineering Site Queries • 'As-Built' Drawings • Information Technology Infrastructure • Case Study
1420 – 1430	Recap
1430	Lunch & End of Day Three

Day 4

0730 – 0930	Material Management Sources of Material • Purchase Orders • Material Storage Facilities • Material Control Procedure
0930 – 0945	Break
0945 – 1100	Material Management (cont'd) Incoming Inspection, Ongoing Inspection & Maintenance • Traceability • Spare Parts • Case Study





1100 – 1215	Nonconformities <i>What are Nonconformities & How do we Manage them?</i> • Resolution • Model Procedure • Few or Many Nonconformity Reports • Case Study
1215 – 1230	Break
1230 – 1420	Quality Audits <i>Guidelines for Auditing, Including a Model Procedure</i> • Typical Audit Questions • Case Study
1420 – 1430	Recap
1430	Lunch & End of Day Four

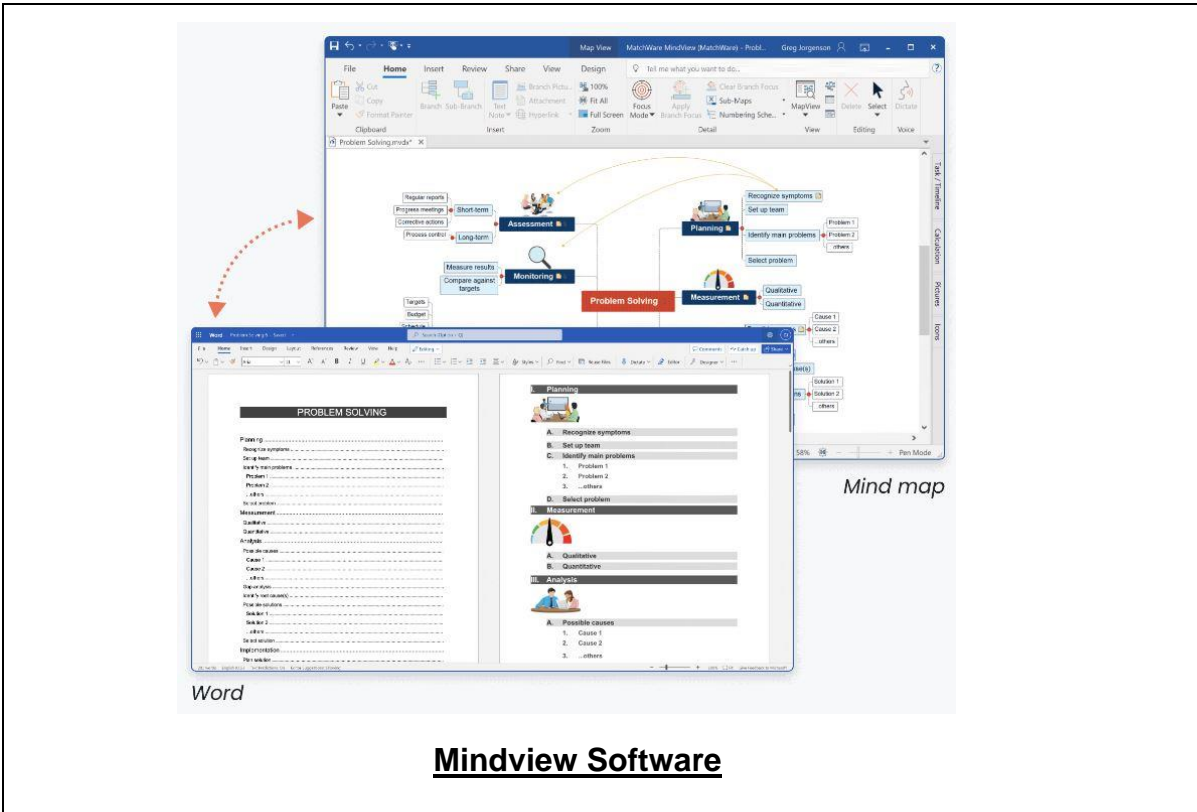
Day 5

0730 – 0930	Management Reviews & Completion Report <i>Management Reviews on Site During Construction</i> • Construction Completion Report
0930 – 0945	Break
0945 – 1100	Construction Completion & Turnover <i>Activity Phases on Site</i> • Contractual Milestones • Responsibilities of Parties Present
1100 – 1215	Construction Completion & Turnover (cont'd) <i>Construction Completion Procedure</i> • Procedure for Turnover to the Owner
1215 – 1230	Break
1230 – 1345	Construction Completion & Turnover (cont'd) <i>Construction Completion & Turnover by Functional Systems</i> • Case Study
1345 – 1400	Course Conclusion
1400 – 1415	POST-TEST
1415 – 1430	<i>Presentation of Course Certificates</i>
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 “Mindview Software”.



Course Coordinator

Kamel Ghanem, Tel: +971 2 30 91 714, Email: kamel@haward.org