COURSE OVERVIEW FE0124-3D
Field Quality Control Inspection

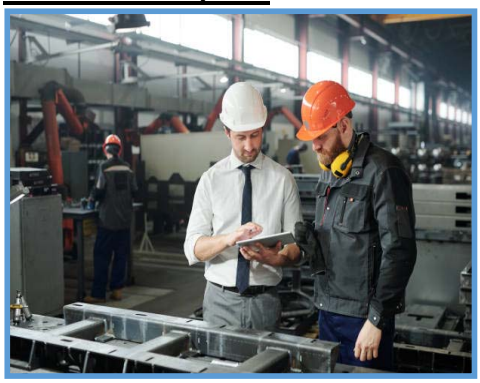
Course Title
Field Quality Control Inspection

Course Date/Venue
Please see page 3

Course Reference
FE0124-3D

Course Duration
Three days/1.8 CEUs/18 PDHs

Course Description



This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide participants with a detailed and up-to-date overview of Field Quality Control Inspection. It covers the importance of FQC and the key concepts in quality assurance and control; the quality standards and regulations and field inspection methods covering visual inspection techniques, non-destructive testing (NDT) methods, sampling and testing procedures and documentation of field inspection findings; the types of inspections in the field and common quality control tools; the safety in field quality inspections and material quality control; the construction quality control, non-destructive testing (NDT) in the field and inspection of equipment and machinery.

During this interactive course, participants will learn the managing of defects and non-conformities by identifying and reporting defects, corrective actions and rework procedures, handling non-conformance reports, documentation and tracking of defect resolution; the field testing, sampling procedures and documentation of inspection results; the quality control checklists and protocols, communication with project teams and stakeholders and quality audits and inspections; developing action plans based on findings; the root cause analysis for recurring quality issues; the preventive measures to avoid future issues; and monitoring the effectiveness of corrective actions.

Course Objectives

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

- Apply and gain an in-depth knowledge on field quality control inspection
- Discuss the importance of FQC and the key concepts in quality assurance and control
- Explain quality standards and regulations and apply field inspection methods covering visual inspection techniques, non-destructive testing (NDT) methods, sampling and testing procedures and documentation of field inspection findings
- Identify the types of inspections in the field and common quality control tools and apply safety in field quality inspections and material quality control
- Carryout construction quality control, non-destructive testing (NDT) in the field and inspection of equipment and machinery
- Manage defects and non-conformities by identifying and reporting defects, corrective actions and rework procedures, handling non-conformance reports, documentation and tracking of defect resolution
- Apply field testing, sampling procedures and documentation of inspection results
- Employ quality control checklists and protocols, communication with project teams and stakeholders and quality audits and inspections
- Develop action plans based on findings and apply root cause analysis for recurring quality issues
- Employ preventive measures to avoid future issues and monitor the effectiveness of corrective actions

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 conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of field quality control inspection for quality control inspectors/technicians, project managers/engineers, construction supervisors, contractors/subcontractors, compliance officers, safety managers, production supervisors, maintenance engineers, government inspectors and other technical staff.

Course Fee

US$ 3,750 per Delegate + **VAT.** This rate includes H-STK® (Haward Smart Training Kit), 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 Date/Venue

Session(s)	Date	Venue
1	May 26-28, 2025	Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
2	July 27-29, 2025	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
3	September 29-October 01, 2025	Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
4	November 23-25, 2025	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE

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 **1.8 CEUs** (Continuing Education Units) or **18 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:

Mr. Steve Magalios, CEng, PGDip (on-going), MSc, BSc, is a **Senior Welding & Pipeline Engineer** with almost **30 years** of extensive **On-shore/Offshore** experience in the **Oil & Gas**, **Construction**, **Refinery** and **Petrochemical** industries. His expertise widely covers in the areas of **Welding Technology**, **Welding & Fabrication**, **Welding Inspection**, **Pipeline** Operation & Maintenance, **Pipeline** Design & Construction, **Pipeline** Repair Methods, **Pipeline** Engineering, Pipeline Integrity Management System (**PIMS**), **Pipeline** Pigging, Piping & Pipe Support Systems, **Piping** Systems & Process Equipment, **Piping** System Repair & Maintenance, **Piping** Integrity Management, Computer Aided Design (**CAD**), **Building & Road** Design Skills, **Civil Engineering Design**, **Structural Reliability** Engineering, **Road** Construction & Maintenance, **Concrete Structures & Building Rehabilitation**, **Reinforced Concrete Structures Protection**, **Geosynthetics & Ground Improvement Methods**, **Blueprint** Reading & Interpretation, **Blue Print** Documentation, Mechanical **Drawings**, **P&ID**, **Flow Diagram** Symbols and **Land Surveying** & Property Evaluation. He is also well-versed in Lean & Sour Gas, Condensate, **Compressors**, **Pumps**, Flare Knockout Drum, Block **Valve** Stations, New Slug Catcher, Natural **Gas Pipeline** & Network, Scraper Traps, Burn Pits, Risk Assessment, HSE Plan & Procedures, Quality Plan & Procedures, Safety & Compliance Management, Permit-to-Work Issuer, ASME, API, ANSI, ASTM, BS, NACE, ARAMCO & KOC Standards, MS Office tools, **AutoCAD**, **STAAD-PRO**, GIS, ArcInfo, ArcView, Autodesk Map and various programming languages such as FORTRAN, BASIC and AUTOLISP. Currently, he is the **Chartered Professional Surveyor Engineer & Urban-Regional Planner** wherein he is deeply involved in providing exact data, measurements and determining properly boundaries. He is also responsible in preparing and maintaining sketches, maps, reports and legal description of surveys.

During his career, Mr. Magalios has gained his expertise and thorough practical experience through challenging positions such as a **Project Site Construction Manager**, **Construction Site Manager**, **Project Manager**, **Deputy PMS Manager**, **Head of the Public Project Inspection Field Team**, **Technical Consultant**, **Senior Consultant**, **Consultant/Lecturer**, **Construction Team Leader**, **Lead Pipeline Engineer**, **Project Construction Lead Supervising Engineer**, **Lead Site Engineer**, **Senior Site Engineer, Welding Engineer, Lead Engineer**, **Senior Site Engineer**, **R.O.W. Coordinator**, **Site Representative**, **Supervision Head** and **Contractor** for international Companies such as the Penspen International Limited, Eptista Servicios de Ingeneria S.I., J/V ILF Pantec TH. Papaioannou & Co. – Emenergy Engineering, J/V Karaylannis S.A. – Intracom Constructions S.A., Ergaz Ltd., Alkyonis 7, Palaeo Faliro, Piraeus, Elpet Valkaniki S.A., Asprofos S.A., J/V Depa S.A. just to name a few.

Mr. Magalios is a **Registered Chartered Engineer** and has a **Master's** and **Bachelor's** degree in **Surveying Engineering** from the **University of New Brunswick**, **Canada** and the **National Technical University of Athens**, **Greece**, respectively. Further, he is currently enrolled for **Post-graduate** in **Quality Assurance** from the **Hellenic Open University**, **Greece**. He has further obtained a Level 4B Certificates in Project Management from the National & Kapodistrian University of Athens, Greece and Environmental Auditing from the Environmental Auditors Registration Association (EARA). Moreover, he is a **Certified Instructor/Trainer**, a **Chartered Engineer** of Technical Chamber of Greece and has delivered numerous trainings, workshops, seminars, courses and conferences 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 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	***Overview of Field Quality Control (FQC)*** *Definition & Importance of FQC • Roles & Responsibilities in FQC • Key Concepts in Quality Assurance & Control • FQC in the Context of Construction & Manufacturing*
0930 – 0945	*Break*
0945 – 1030	***Quality Standards & Regulations*** *International Standards (ISO, ASTM, etc.) • National & Local Regulations • Industry-Specific Quality Standards • Compliance & Documentation Requirements*
1030 – 1130	***Field Inspection Methods*** *Visual Inspection Techniques • Non-Destructive Testing (NDT) Methods • Sampling & Testing Procedures • Documentation of Field Inspection Findings*
1130 – 1215	***Types of Inspections in the Field*** *Incoming Material Inspection • In-Process Inspection • Final Inspection • Post-Installation & Maintenance Inspections*
1215 – 1230	*Break*
1230 – 1330	***Common Quality Control Tools*** *Calibration & Measurement Tools • Inspection Software & Data Management Tools • Use of Checklists & Templates • Reporting Tools & Techniques*
1330 – 1420	***Safety in Field Quality Inspections*** *Personal Protective Equipment (PPE) • Safe Work Practices During Inspections • Hazard Assessment & Risk Management • Environmental Considerations*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day One*

Day 2

0730 – 0830	***Material Quality Control*** *Inspections for Raw Materials & Components • Documentation & Certification of Materials • Compliance Checks for Material Specifications • Testing Methods for Material Quality*
0830 – 0930	***Construction Quality Control*** *Inspection of Foundations & Structures • In-Process Monitoring of Construction Activities • Use of Measurement Tools for Quality Control • Ensuring Adherence to Engineering Drawings & Plans*
0930 – 0945	*Break*
0945 – 1100	***Non-Destructive Testing (NDT) in the Field*** *Types of NDT: Ultrasonic, Radiography, Eddy Current, etc. • Selection of Appropriate NDT Methods • Performing & Interpreting NDT Results • Reporting & Documenting NDT Findings*
1100 – 1215	***Inspection of Equipment & Machinery*** *Inspection of Mechanical, Electrical & Structural Systems • Preventive Maintenance Inspections • Alignment & Calibration of Equipment • Functional Tests & Performance Verification*
1215 – 1230	*Break*
1230 – 1330	***Managing Defects & Non-Conformities*** *Identifying & Reporting Defects • Corrective Actions & Rework Procedures • Handling Non-Conformance Reports (NCRs) • Documentation & Tracking of Defect Resolution*
1330 – 1420	***Field Testing & Sampling Procedures*** *Conducting Field Tests for Quality Verification • Sample Collection Methods & Protocols • Field Testing Equipment & Calibration • Interpreting Test Results & Ensuring Accuracy*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Two*

Day 3

0730 – 0830	***Documentation of Inspection Results*** *Creating Detailed Inspection Reports • Capturing Photographic Evidence • Maintaining Accurate Records of Inspections • Compliance with Legal & Contractual Documentation Standards*
0830 – 0930	***Quality Control Checklists & Protocols*** *Development of Standardized Checklists • Using Checklists for Systematic Inspections • Adapting Checklists for Different Types of Inspections • Ensuring Consistency & Thoroughness*
0930 – 0945	*Break*
0945 – 1030	***Communication with Project Teams & Stakeholders*** *Reporting Issues & Findings to Project Managers • Coordinating with Engineers, Contractors & Suppliers • Handling Client & Stakeholder Communication • Effective Use of Meetings & Documentation for Resolution*
1030 – 1130	***Quality Audits & Inspections*** *Internal Audits of Quality Control Processes • Conducting External Quality Audits • Preparation & Participation in Audits • Continuous Improvement through Audit Feedback*

1130 – 1230	***Corrective & Preventive Action Plans*** *Developing Action Plans Based on Findings • Root Cause Analysis for Recurring Quality Issues • Preventive Measures to Avoid Future Issues • Monitoring the Effectiveness of Corrective Actions*
1230 – 1245	*Break*
1245 – 1345	***Closing the Inspection & Final Reporting*** *Closing Out Inspection Activities • Final Inspections & Certification • Summarizing Findings in Final Reports • Handover & Follow-Up on Unresolved Issues*
1345 – 1400	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-

Course Coordinator

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