

# COURSE OVERVIEW FE0990

# Equipment, Materials, Production and Services Certification Auditor in Oil & Gas Industry

### Course Title

Equipment, Materials, Production and Services Certification Auditor in Oil and Gas Industry

30 PDHs)

Course Reference FE0990

Course Date/Venue



Session(s)	Date	Venue		
1	February 10-14, 2025	Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE		
2	May 11-15, 2025	Al Khobar Meeting Room, Hilton Garden Inn, Al Khobar, KSA		
3	August 10-15, 2025	Oryx Meeting Room, Double Tree by Hilton AI Saad, Doha, Qatar		
4	November 09-13, 2025	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE		

### **Course Duration/Credits**

Five days/3.0 CEUs/30 PDHs

#### Course Description



#### This practical and highly-interactive course includes reallife 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 the Equipment, Materials, Production and Services Certification Auditor in Oil and Gas Industry. It covers the auditor's ethics, standards of conduct and personnel qualities; the audit program design and management, protocols, checklists and guides; the frequency of audits and selection of sites and quality assurance provisions; the auditor staffing and training and document management; the audit engagements covering pre-audit activities, on- site activities and post- audit activities; planning and conducting a site inspection and completing inspection reports; and developing recommendations and following-up and managing an effective inspection program.

During this interactive course, participants will learn the pre and post-inspection tasks, gathering information, recording observations accurately and developing and using checklists in continuous and formal inspections; handling employee reactions to the inspection process; analyzing data and setting priorities and observation techniques; the various standards and codes in process industry comprising of API, ASME, ASTM, ANSI, AWS, NBIC and ISO; and the proper inspection, auditing and certification methods for visual inspection destructive inspection and NDT certification.



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# **Course Objectives**

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

- Apply and gain an in-depth knowledge on equipment, materials, production and services certification auditor in oil and gas industry
- Discuss the auditor's ethics, standards of conduct and personnel qualities
- Carryout audit program design and management, protocols, checklists and guides
- Identify the frequency of audits and selection of sites and quality assurance provisions
- Perform auditor staffing and training and document management
- Conduct the audit engagements covering pre-audit activities, on- site activities and post- audit activities
- Plan and conduct a site inspection, complete inspection reports, develop recommendations and follow-up and manage an effective inspection program
- Establish pre and post-inspection tasks, gather information, record observations accurately and develop and use checklists in continuous and formal inspections
- Handle employee reactions to the inspection process, analyze data and set priorities and apply observation techniques
- Review various standards and codes in process industry comprising of API, ASME, ASTM, ANSI, AWS, NBIC and ISO
- Employ proper inspection, auditing and certification methods for visual inspection, destructive inspection and NDT certification, documentations and verification
- Apply materials, equipment, production and services inspection, auditing and certification

# Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK**<sup>®</sup>). The **H-STK**<sup>®</sup> 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 equipment, materials, production and services certification auditing in oil and gas industry for quality assurance professionals, certification auditors, engineers and technicians, procurement and supply chain professionals, HSE (health, safety, and environment) personnel, project managers, regulatory compliance officers, quality control inspectors, operations and maintenance personnel, consultants and advisors.

#### **Accommodation**

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



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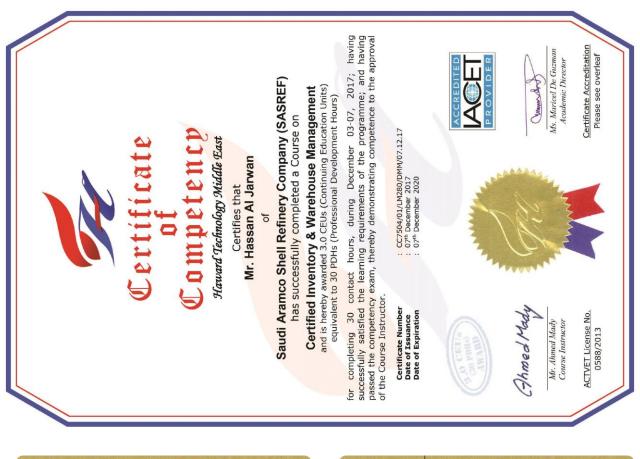
# Course Certificate(s)

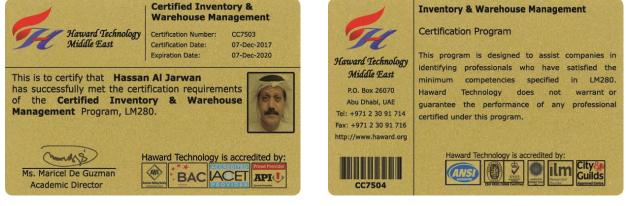
(1) Internationally recognized Competency Certificates and Plastic Wallet Cards will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Certificates are valid for 5 years.

### **Recertification is FOC for a Lifetime.**

### Sample of Certificates

The following are samples of the certificates that will be awarded to course participants: -







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FE0990-02-25|Rev.16|08 September 2024





(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

	C	Haward Technol Continuing Professional D			ge 1 of 1
	<u>CEU</u>	Official Trans	script of Rec	ords	
TOR Issuance	Date:	14-Nov-19			
HTME No. Participant Nan		8667-2014-9020-2555 Abdulsatar Al Otaibi			
Program	Program	Title	Program Date	No. of Contact Hours	CEU's
<b>Ref.</b> FE0990		Materials, Production and ertification Auditor in Oil and	November 10-14, 2019	30	3.0
	Gas industr	y.			
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Haward Technold (IACET), 2201 Cc	ooperative Way, Suite	roved as an Authorized Provider by 600, Herndon, VA 20171, USA. In obt	aining this approval, Haward Tech	Maricel De Guzmar Academic Director	r Training that it complie
Haward Technold (IACET), 2201 Cd with the ANSI/A	ooperative Way, Suite ACET 1-2013 Standa		aining this approval, Haward Tech standard of good practice internatior	Continuing Education and nology has demonstrated ally. As a result of their of	Training that it complie Authorized
Haward Technolo (IACET), 2201 Cc with the ANSI/A Provider membe Standard. Haward Technolo Education Units ( IACET is an inter	ooperative Way, Suite ACET 1-2013 Standa ership status, Hawa ogy's courses meet (CEUs) in accordance national authority th	600, Herndon <mark>, VA 20171, USA. In obt</mark> ind which is widely recognized as the	aining this approval, Haward Tech standard of good practice internation r IACET CEUs for programs that continuing education requirements for emrational Association for Continuin strict, research-based criteria and	Continuing Education and nology has demonstrated ally. As a result of their / qualify under the ANSI/ g Education & Training g Education & Training	Training that it complie Authorized IACET 1-2013 ntinuing (IACET).
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# 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: -



# 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.

• **\* \* \* BAC** 

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.



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### 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. Geoff Kaschula is a Senior Inspection Engineer with over 30 years of extensive experience within the oil, qas. petrochemical, process and power industries. His fields of specialization cover the areas of design. fabrication. construction, installation, commissioning, inspection maintenance of process equipment such as boilers, pressure vessels, piping systems, structures & storage tanks; condition assessment of rotating & auxiliary equipment like

compressors, steam turbines, pumps, heat exchangers & valves; Risk Based Inspection (RBI), Fitness-For-Service (FFS); welding & fabrication engineering, failure analysis, flaw evaluation, remnant life determination, capacity reviews for process and power equipment, asset management and project management. He has also worked extensively with international industry standards such as ASME, API, TEMA, BS/EN, ANSI & AWS to name a few. Mr. Kaschula is currently the Director of RBI-Asset Management.

Mr. Kaschula has handled wide-ranging responsibilities and assumed various important positions over the past 30 years in his career. Prior to founding his own company, he was the Quality Manager of Parsons Brinckerhoff, a power company, where he handled **design verification** of equipment such as boilers, pressure equipment, heat exchangers & pumps in addition to the overall development of management systems in compliance with international safety, quality and technical standards. He also worked as the Inspection Manager of Weltech where he was in charge of all major inspection activities and plant condition evaluation of petrochemical plants and power stations. He also worked extensively as a Project Manager for the design, fabrication and manufacturing of pressure vessels, heat exchangers and piping in accordance with ASME III & VIII standards. He also served as Technical Assessor, Inspection Engineer, Welding Engineer and QA/QC Engineer for companies like Arnot & Hendrina Power Station, Projects Expedited, Airtech Davidson & the Department of Transport. As the current **Director** of **RBI-Asset Management**, he oversees the overall operations of the company in providing technical and advisory services in the field of infrastructure asset management, design review, verification, inspection and condition assessment of major refinery equipment such as pressure vessels, storage tanks and piping systems.

Mr. Kaschula is a qualified Welding Engineer. He is also a certified API 510 Pressure Vessel Inspector, certified API 570 Piping Inspector, certified API 580 Risk Based Inspector, a Registered Inspector & Competent Person for Boilers, Pressure Vessels & Pressure Equipment as well as a Registered International Professional Welding Technologist by the International Institute of Welding (IIW) and a Certified Instructor/Trainer.



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# Training Methodology

All our Courses are including Hands-on Practical Sessions using equipment, Stateof-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**

Abu Dhabi	<b>US\$ 5,500</b> per Delegate + <b>VAT</b> . This rate includes H-STK <sup>®</sup> (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day
Al Khobar	<b>US\$ 5,500</b> per Delegate + <b>VAT</b> . This rate includes H-STK <sup>®</sup> (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day
Doha	<b>US\$ 6,000</b> per Delegate. This rate includes H-STK <sup>®</sup> (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Dubai	<b>US\$ 5,500</b> per Delegate + <b>VAT</b> . This rate includes H-STK <sup>®</sup> (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day

#### **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:

#### Dav 1

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0730 – 0800	Registration & Coffee	
0800 - 0815	Welcome & Introduction	
0815 - 0830	PRE-TEST	
0830 - 0930	Auditor's Ethics, Standards of Conduct & Personnel QualitiesConflict of InterestIndependenceProficiencyMaterial Facts andDisclosureDue Professional CareConfidentialityAttitudeTeamworkAdaptabilityDeterminationCommunicationsLeadership	
0930 - 0945	Break	
0945 – 1100	Audit Program Design & ManagementAudit Program Objectives and ScopeAudit Program OrganizationProtocols, Checklists and GuidesFrequency of Audits and Selection ofSitesQuality Assurance ProvisionsAuditor Staffing and TrainingDocument Management	



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1100 – 1215	<i>Conducting Audit Engagements: (1) Pre-Audit Activities</i> Establishment of Audit Scope and Objectives and their Communication to Interested Persons • Assembly and Review of Available Information Pertinent to the Audit • Preparation of the Audit Plan Directed at Efficient and Effective use of Resources to Achieve Audit Objectives
1215 – 1230	Break
1230 – 1420	<i>Conducting Audit Engagements: (1) Pre-Audit Activities (cont'd)</i> <i>Contact with the Auditee to Exchange Information and Begin to lay the</i> <i>Groundwork for a Cordial and Productive Working Relationship</i> • <i>Team</i> <i>Selection and Coordination to Assure that all Members are Capable and</i> <i>Prepared to Carry Out their Assigned Role</i> • <i>Determination of Final Report</i> <i>Scope, Format and Distribution</i>
1420 – 1430	<b>Recap</b> 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

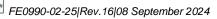
# Day 2

	Conducting Audit Engagements: (2) On-Site Activities
0730 – 0930	Opening Meeting
	Review of Findings • Closing Meeting
0930 - 0945	Break
0945 - 1100	Conducting Audit Engagements: (3) Post-Audit Activities
0545 - 1100	Reporting • Documentation • Corrective Action
	Site Inspection
	Plan and Conduct a Site Inspection  • Complete Inspection Reports •
1100 – 1215	Develop Recommendations and Follow-Up   Manage an Effective Inspection
	<i>Program</i> • <i>Establish Pre and Post-Inspection Tasks</i> • <i>What to Inspect and</i>
	where to Gather Information
1215 - 1230	Break
	Site Inspection (cont'd)
	Recording Observations Accurately • Developing and Using Checklists in
1230 – 1420	Continuous and Formal Inspections • Handling employee reactions to the
	inspection process • Analyzing data and setting priorities • Observation
	techniques
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

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	0730 - 0930	Standards & Codes in Process Industry API ● ASME ● ASTM ● ANSI ● AWS ● NBIC ● ISO
	0930 - 0945	Break
	0945 - 1100	<i>Inspection, Auditing &amp; Certification Methods</i> <i>Visual Inspection</i> • <i>Destructive Inspection</i> • <i>NDT</i>
	1100 - 1215	<i>Inspection, Auditing &amp; Certification Methods (cont'd)</i> <i>Certification</i> • <i>Documentations</i> • <i>Verification</i>
	1215 – 1230	Break
*** BAC		





1230 - 1420	<ul> <li>Materials Inspection, Auditing &amp; Certification</li> <li>Overview of Ferrous Pipe and Pipeline Materials • Carbon and Alloy Steels</li> <li>Practical Aspects of Metallurgical Properties</li> </ul>
1420 - 1430	<b>Recap</b> 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 Three

#### Day 4

	Materials Insuration Auditing S. Contification (cont/d)
	Materials Inspection, Auditing & Certification (cont'd)
0730 - 0930	<i>Chemistry and Material Test Reports</i> • <i>Fabrication of Line Pipe and Forged</i>
	Fittings
0930 - 0945	Break
	Materials Inspection, Auditing & Certification (cont'd)
0945 - 1100	Mechanical Properties: Strength and Toughness • Ductile and Brittle
	Fracture
1100 1015	Materials Inspection, Auditing & Certification (cont'd)
1100 – 1215	API 5L and ASTM Material Specifications • Markings on Pipe and Fittings
1215 - 1230	Break
	Equipment Inspection, Auditing & Certification
1230 - 1420	Pipes • Fitting • Valves • Pressure Vessels • Boilers • Tanks • Heat
	Exchangers
	Recap
1420 1420	Using this Course Overview, the Instructor(s) will Brief Participants about
1420 – 1430	the Topics that were Discussed Today and Advise Them of the Topics to be
	Discussed Tomorrow
1430	Lunch & End of Day Four

#### Day 5

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0730 – 0930	Equipment Inspection, Auditing & Certification (cont'd)
	Pumps • Compressors • Turbines • Motors
0930 - 0945	Break
0945 – 1100	Equipment Inspection, Auditing & Certification (cont'd)
	VFD • Gears • Machinery vs. Stationery Equipment
1100 1015	Production Inspection, Auditing & Certification
1100 – 1215	Inspection • Auditing • Certification
1215 – 1230	Break
1230 - 1345	Services Inspection, Auditing & Certification
	Inspection • Auditing • Certification
	Course Conclusion
1345 - 1400	Using this Course Overview, the Instructor(s) will Brief Participants about
	the Course Topics that were Covered During the Course
1400 - 1415	COMPETENCY EXAM
1415 – 1430	Presentation of Course Certificates
1430	Lunch & End of Course



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# Practical Sessions

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



<u>Course Coordinator</u> Mari Nakintu, Tel: +971 230 91 714, Email: <u>mari1@haward.org</u>



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