COURSE OVERVIEW OE0072
Rig Inspection

Course Title
Rig Inspection

Course Date/Venue
August 24-28, 2025/ Meeting Plus 8, City Centre Rotana Doha Hotel, Doha, Qatar

Course Reference
OE0072

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

Course Description

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

This course is designed to provide participants with a comprehensive overview of Rigs inspection and Audit. It covers the roles and responsibilities of rig inspectors and auditors; the safety considerations during rig inspections and audits; the drilling rig systems and equipment and types of drilling rigs and components of rig floor, drill string, mud system, and power system; the regulatory compliance requirements, inspections and audits; permitting and licensing processes; the environmental regulations and considerations; the rig inspection or audit and checklists; the potential issues and hazards; and the electrical and control systems, mechanical systems and safety systems.

During this interactive course, participants will learn the inspection and audit requirements; the best practices for maintaining and operating electrical and control systems, mechanical systems and equipment, drilling equipment and safety systems and procedures; the documentation requirements for rig inspections and audits; the reporting and recordkeeping requirements; the common issues and challenges with documentation and reporting; and the advanced rig inspection and audit techniques; the use of technology for rig inspections and audits; and the third-party inspections and audits.

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

- Apply and gain an in-depth knowledge on rigs inspection and audit
- Discuss the roles and responsibilities of rig inspectors and auditors and the safety considerations during rig inspections and audits
- Recognize drilling rig systems and equipment, types of drilling rigs and components of rig floor, drill string, mud system, and power system
- Perform regulatory compliance requirements for drilling rigs, compliance inspections and audits, permitting and licensing processes, and environmental regulations and considerations
- Plan and prepare rig inspection or audit, develop and customize checklists, identify potential issues and hazards and communicate with rig personnel and management
- Explain the electrical and control systems, mechanical systems and safety systems
- Recognize inspection and audit requirements for electrical and control systems, mechanical systems and equipment, drilling equipment and safety systems and procedures
- Identify hazards and potential issues and apply best practices for maintaining and operating electrical and control systems, mechanical systems and equipment, drilling equipment and safety systems and procedures
- List the documentation requirements for rig inspections and audits including the reporting and recordkeeping requirements
- Identify common issues and challenges with documentation and reporting as well as communicate and follow-up after the inspection or audit
- Employ advanced rig inspection and audit techniques, use technology for rig inspections and audits and apply third-party inspections and audits

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 completion selection and design for those who are involved in drilling operations and want to expand their knowledge on completion design and selection. This course is suitable for drilling engineers, well completion engineers, reservoir engineers, production engineers, and any other professionals involved in the design and execution of drilling operations.

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.

- 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 Fee

US$ 8,500 per Delegate. 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 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. Stan Constantino (**Konstantinos Papakonstantinou**), MSc, BSc, is a **Senior Petroleum & Reservoir Engineer** with over **40 years** of **Offshore & Onshore** extensive experience within the **Oil**, **Gas & Petroleum** industries**.** His area of expertise include **Artificial Lift** Technology, **Fishing** Operations, **Drilling & Work-Over** Operations, Directional Drilling, **Drilling** Production & Operations, **Horizontal Wells**, **Well Surveillance**, **Well** Testing, Design & Analysis, **Well** Testing **& Oil Well Performance**, **Well Log** Interpretation, **Well Workover** Supervision, **Coiled Tubing** Operations & Interventions, **Coiled Tubing** Technology, **Cased Hole Logging**, Advanced Petrophysics/Interpretation of **Cased Hole Logs**, **Cased Hole Formation Evaluation**, **Cased Hole Formation** Evaluation, **Cased Hole Evaluation**, **Cased-Hole Logging**, Applied **Production Logging & Cased Hole & Production Log** Evaluation, **Cased Hole Logging & Formation** Evaluation, **Open Hole Logging** Methods, Open & Cased Hole Logging, **Wireline Logging**, **Mud Logging**, **Production Logging**, **Slick Line**, **Fractured Reservoir** Classification & Evaluation, Screening of Oil Reservoirs for **Enhanced Oil Recovery**, **Improved Oil Recovery**, **Enhanced Oil Recovery** Techniques, **Oil Reservoir** Evaluation & Estimation, **Reserves & Resources**, **Reserves Estimation** & **Uncertainty**, **Reserve** Evaluation, **Play Assessment & Prospect Evaluation**, **OIP Estimation & Range** of **Uncertainty**, **Reservoir** Characterization, **Water Flooding**, **Reservoir** Souring & Water Breakthrough, **Reservoir Performance** Using Classical Methods, **Fractured Reservoir** Evaluation & Management, **Reservoir Surveillance** & Management, **Reservoir Engineering** & Simulation, **Reservoir Monitoring**, **Pressure Transient** Testing & **Reservoir** Performance Evaluation, **Reservoir** Characterization, **Reservoir** Engineering Applications with ESP & Heavy Oil, **Reservoir** Volumetrics, Water Drive **Reservoir**, **Unconventional Resource & Reserves** Evaluation, **Oil & Gas Reserves** Estimation, **Petrophysics & Rock** Properties**, Seismic** Technology, Geological and Geophysical (**G&G**) Data Interpretation, **Geological** Modelling, **Water Saturation**, **Crude Oil & Natural Gas** Demand, **Exploration Agreements & Financial** Modelling, **Seismic Survey** Evaluation, **Exploration Well** Identification, **Field Production** Operation, **Field Development** & Production of Oil & Gas, **Field Development** Evaluation, Crude Oil Marketing, **Core & Log Data** Integration, **Core Logging**, Advanced **Core & Log Integration**, **Well Logs & Core Analysis**, Special Core Analysis (**SCAL**), **Petroleum Economic** Analysis, **Oil Industry** Orientation, **Oil Production & Refining**, **Crude Oil Market**, **Global Oil Supply & Demand**, **Global Oil Reserves**, **Crude Oil** Types & Specifications, **Oil Processing**, **Oil Transportation-Methods**, **Oil & Gas** Exploration and Methods, **Oil & Gas** Extraction, Technology Usage in Industrial Security; **Upstream**, **Midstream** & **Downstream Operations**; **Oil Supply & Demand**, **Oil Contracts**, **Government Legislation & Oil Contractual Agreements**, **Oil Projects** & Their Feasibility (revenue and profitability), Rock & Fluid Properties, Fluid Flow Mechanics, Fluid Properties and Phase Behavior (**PVT**), PVT Analysis, Material Balance, Darcy's Law & Applications, Radial Flow, **Gas Well** Testing, Natural Water Influx, EOR Methods, **Pressure Transient Analysis** and **Petrophysical Log Analysis**. Currently, he is the **CEO** & **Managing Director** of **Geo Resources Technology** wherein he is responsible in managing the services and providing technical supports to underground energy related projects concerning **field development**, **production**, **drilling**, **reservoir engineering** and **simulation**.

Throughout his long career life, Mr. Stan has worked for many international companies such as the **Kavala Oil**, **North Aegean Petroleum Company** and **Texaco Inc.**, as the **Managing Director**, **Operations Manager**, **Technical Trainer**, **Training Consultant**, **Petroleum Engineering & Exploration Department Head**, **Assistant Chief Petroleum Engineer**, **Reservoir Engineer, Resident Petroleum Engineer**, **Senior Petroleum Engineer** and **Petroleum Engineer** wherein he has been managing the evaluation of exploration wells, reservoir simulation, development training, production monitoring, wireline logging and well testing including selection and field application of well completion methods.

Mr. Stan has a **Master's** degree in **Petroleum Engineering** and a **Bachelor's** degree in **Geology** from the **New Mexico Institute of Mining & Technology** (**USA**) and from the **Aristotelian University** (**Greece**) respectively. Further, he is a **Certified Instructor/Trainer**, a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership of Management (ILM**) and a member of the Society of Petroleum Engineers, USA (**SPE**), Society of Well Log Professional Analysts, USA (**SPWLA**) and European Association of Petroleum Geoscientists & Engineers (**EAGE**). Moreover, Mr. Stan published numerous scientific and technical papers and delivered various trainings, courses and workshops worldwide.

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 director(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: ***Sunday, 24th of August 2025***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction to Rig Inspection & Audit*** *Importance of Rig Inspection and Audit • Regulatory Requirements and Industry Standards • Roles and Responsibilities of Rig Inspectors and Auditors • Safety Considerations During Rig Inspections and Audits*
0930 – 0945	*Break*
0945 – 1100	***Rig Systems & Equipment*** *Drilling Rig Systems and Equipment • Types of Drilling Rigs*
1100 – 1230	***Rig Systems & Equipment (cont'd)*** *Components of the Rig Floor, Drill String, Mud System, and Power System*
1230 – 1245	*Break*
1245 – 1420	***Rig Systems & Equipment (cont'd)*** *Rig Maintenance and Inspection Requirements*
1420 - 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2: ***Monday, 25th of August 2025***

0730 – 0930	***Regulatory Compliance*** *Regulatory Requirements for Drilling Rigs • Compliance Inspections and Audits*
0930 – 0945	*Break*
0945 – 1045	***Regulatory Compliance (cont'd)*** *Permitting and Licensing Processes • Environmental Regulations and Considerations*
1045 – 1230	***Rig Inspection & Audit Planning*** *Planning and Preparing for a Rig Inspection or Audit • Checklist Development and Customization*
1230 – 1245	*Break*
1245 – 1420	***Rig Inspection & Audit Planning (cont'd)*** *Identifying Potential Issues and Hazards • Communication with Rig Personnel and Management*
1420 - 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3: **Tuesday, 26th of August 2025**

0730 – 0930	***Electrical & Control Systems*** *Inspection and Audit Requirements for Electrical and Control Systems*
0930 – 0945	*Break*
0945 – 1045	***Electrical & Control Systems (cont'd)*** *Identifying Hazards and Potential Issues • Best Practices for Maintaining and Operating Electrical and Control Systems*
1045 – 1230	***Mechanical Systems & Equipment*** *Inspection and Audit Requirements for Mechanical Systems and Equipment*
1230 – 1245	*Break*
1245 – 1420	***Mechanical Systems & Equipment (cont'd)*** *Identifying Hazards and Potential Issues • Best Practices for Maintaining and Operating Mechanical Systems and Equipment*
1420 - 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4: **Wednesday, 27th of August 2025**

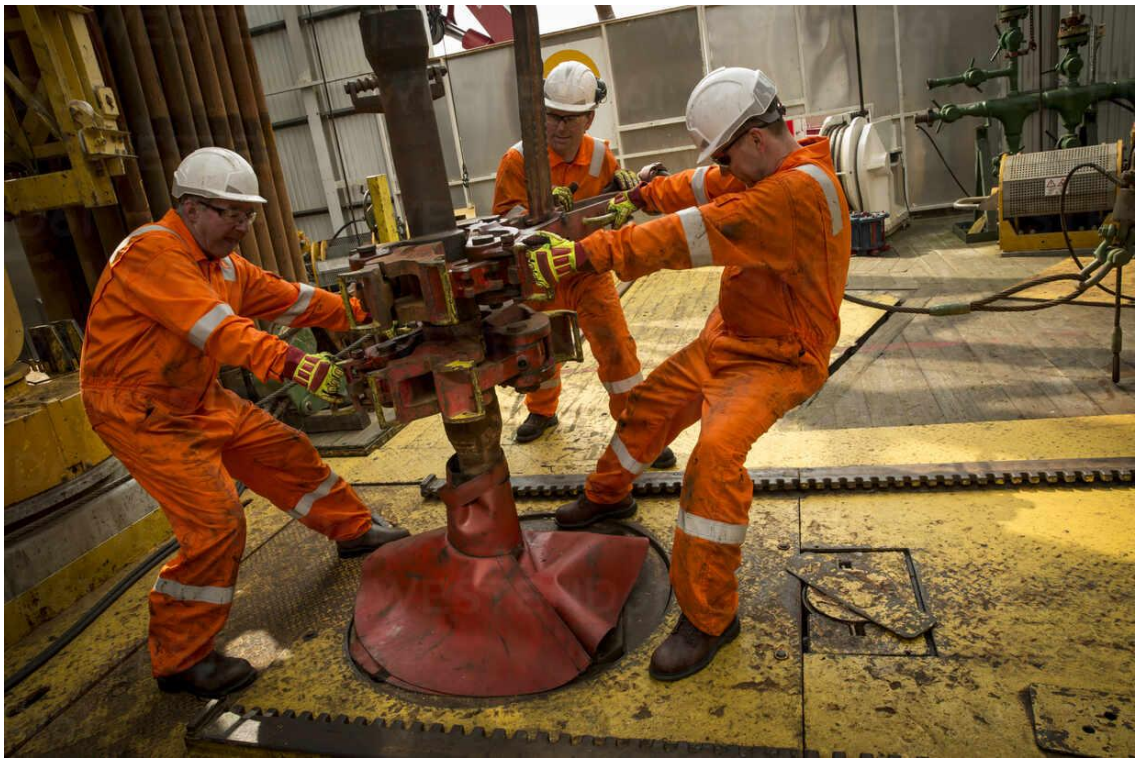
0730 – 0930	***Drilling Equipment Inspection*** *Inspection and Audit Requirements for Drilling Equipment • Identifying Hazards and Potential Issues with Drilling Equipment*
0930 – 0945	*Break*
0945 – 1045	***Drilling Equipment Inspection (cont'd)*** *Best Practices for Maintaining and Operating Drilling Equipment • Drilling Equipment Testing and Certification Requirements*
1045 – 1230	***Safety Systems & Procedures*** *Inspection and Audit Requirements for Safety Systems and Procedures*
1230 – 1245	*Break*
1245 – 1420	***Safety Systems & Procedures (cont'd)*** *Identifying Hazards and Potential Issues with Safety Systems and Procedures • Best Practices for Maintaining and Operating Safety Systems and Procedures*
1420 - 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5: **Thursday, 28th of August 2025**

0730 – 0930	***Documentation & Reporting*** *Documentation Requirements for Rig Inspections and Audits • Reporting and Recordkeeping Requirements*
0930 – 0945	*Break*
0945 – 1045	***Documentation & Reporting (cont'd)*** *Common Issues and Challenges with Documentation and Reporting • Communication and Follow-up After the Inspection or Audit*
1045 – 1230	***Advanced Rig Inspection & Audit Techniques*** *Using Technology for Rig Inspections and Audits*
1230 – 1245	*Break*
1245 – 1345	***Advanced Rig Inspection & Audit Techniques (cont'd)*** *Third-Party Inspections and Audits • Continuous Improvement and Lessons Learned*
1345 - 1400	***Course Conclusion***
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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