

COURSE OVERVIEW TM1127
Advanced Oil Field Manager

Course Title

Advanced Oil Field Manager

Course Date/Venue

Please refer to page 2

Course Reference

TM1127

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 detailed and up-to-date overview of Advanced Oil Field Manager. It covers the oil field life cycle and value chain, field development planning and governance and compliance in field operations; the asset integrity and reliability management, contracting and supply chain strategy, leadership and decision-making in field management and production optimization strategies; the subsurface and surface data, reservoir surveillance techniques, decline curve and material balance analysis; the reservoir simulation in field management and the oil recovery (EOR) techniques; and the well and facilities integrity, oil field digitalization and automation.



Further, the course will also discuss the cost control and production economics, advanced drilling project management and completion engineering for field managers; the workover and well intervention management, drilling and completion HSE best practices and rig and equipment management; the real-time drilling data management and operational risk management; and the process safety in oil fields, emergency response and crisis management.



During this interactive course, participants will learn the environmental management in oil fields, security of oil field assets, insurance and risk financing and field performance benchmarking; the emerging technologies and applications of digital twins; the automation of inspection and maintenance; the pilot projects and field trails and the integrated field management strategies; the sustainability and energy transition; and the advanced data analytics in field operations.

Course Objectives

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

- Get certified as a “*Certified Oil Field Manager*”
- Illustrate oil field life cycle and value chain, field development planning and governance and compliance in field operations
- Apply asset integrity and reliability management, contracting and supply chain strategy, leadership and decision-making in field management and production optimization strategies
- Integrate subsurface and surface data and apply reservoir surveillance techniques, decline curve and material balance analysis and reservoir simulation in field management
- Employ enhanced oil recovery (EOR) techniques, well and facilities integrity, oil field digitalization and automation
- Carryout cost control and production economics, advanced drilling project management and completion engineering for field managers
- Apply workover and well intervention management, drilling and completion HSE best practices and rig and equipment management
- Carryout real-time drilling data management, operational risk management, process safety in oil fields, emergency response and crisis management
- Apply environmental management in oil fields, security of oil field assets, insurance and risk financing and field performance benchmarking
- Discuss the emerging technologies, applications of digital twins, automation of inspection and maintenance and pilot projects and field trails
- Illustrate integrated field management strategies, sustainability and energy transition and advanced data analytics in field operations

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 oil field manager for oil field managers and superintendents, production and operations engineers, reservoir engineers and petroleum engineers, field development planners and project managers, asset managers and field development team leaders and other technical staff.

Course Date/Venue

Sessions	Date	Venue
1	June 23-27, 2025	TBA Meeting Room, JW Marriott Hotel Madrid, Madrid, Spain
2	August 17-21, 2025	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
3	October 06-10, 2025	Hampstead Meeting Room, London Marriott Hotel Regents Park, London, UK
4	December 15-19, 2025	TBA Meeting Room, Grand Hyatt Athens, Athens, Greece

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 Fee

Madrid/London/Athens	US\$ 8,800 per Delegate + VAT . This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Dubai	US\$ 5,500 per Delegate + VAT . This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

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. Successful candidate will be certified as a “*Certified Oil Field Manager*”. 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:-



- (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.

* Haward Technology * CEUs * Haward Technology * CEUs * Haward Technology * CEUs * Haward Technology *



Haward Technology Middle East
Continuing Professional Development (HTME-CPD)

CEUs

CEU Official Transcript of Records

TOR Issuance Date: 14-Nov-24
HTME No. 74851
Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
TM1127	Advanced Oil Field Manager	Nov 10-14, 2024	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date **3.0**

TRUE COPY

Jaryl Castillo
 Academic Director

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












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Certificate Accreditations

Haward’s certificates are accredited by the following international accreditation organizations: -

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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**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). 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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The International Accreditors for Continuing Education and Training (IACET - USA)

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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

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



Mr. Pete Du Plessis is a **Senior Energy & Management Consultant** with over **30 years** of extensive experience. His expertise lies extensively in the areas of Energy Management Systems (**EnMS**) **ISO 50001**, **Energy Efficiency & Consumption**, **Energy Policy & Planning**, Energy Performance Indicators (**EnPIs**), **Energy Management & Implementation**, Reducing **Energy Consumption & Improving Energy Efficiency**, **Energy Regulatory Compliance**, **Data Quality Control & Assessment**, **Creative Thinking &**

Problem-Solving Techniques, **Change Management**, **Negotiation & Presentation Skills**, **Emotional Intelligence**, **Business Writing Skills**, **Leadership & Team Building**, **Coaching & Mentoring**, **Time & Stress Management**, **Human Resources Management**, **Customer Service Excellence**, **Training Needs & Evaluating Training**, **Contract Management**, **Tendering & Supplier Selection**, **Budgeting & Forecasting Skills**, **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**, **SWOT Analysis**, **Gap Analysis**, **Change Management**, Human Resource Management (**HRM**), Human Resource Development (**HRD**), **HR Business Development**, **HR Practices & Strategy**, **Behaviour Based Interviewing & Recruitment**, **Learning & Development**, **Project Management**, **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 **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.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop 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	Oil Field Life Cycle & Value Chain <i>Exploration and Appraisal Phase Integration • Development Planning and Execution • Production and Enhanced Recovery Stages • Decommissioning and Asset Retirement Obligations</i>
0930 – 0945	<i>Break</i>
0945 – 1030	Field Development Planning <i>Reservoir Appraisal Data Integration • Conceptual Design of Facilities and Infrastructure • Cost and Schedule Optimization Techniques • Risk Assessment and Mitigation Planning</i>
1030 – 1130	Governance & Compliance in Field Operations <i>Regulatory Frameworks (Local and International) • Environmental Compliance Obligations • Health and Safety Governance • Community and Stakeholder Engagement</i>
1130 – 1215	Asset Integrity & Reliability Management <i>Asset Performance Monitoring Frameworks • Integrity Management Systems for Pipelines, Wells and Facilities • Inspection and Maintenance Strategies • Data-Driven Decision-Making for Reliability</i>
1215 – 1230	<i>Break</i>
1230 – 1330	Contracting & Supply Chain Strategy <i>Local Content Requirements and Procurement Strategies • Vendor Evaluation and Selection • Contract Types: EPC, O&M, PSC • Supply Chain Risk Management</i>
1330 – 1420	Leadership & Decision-Making in Field Management <i>Situational Leadership Models for Oil Field Context • Decision-Making Under Uncertainty • Leading Multidisciplinary Teams • Building a High-Performance Operational Culture</i>
1420 – 1430	Recap <i>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</i>
1430	<i>Lunch & End of Day One</i>

Day 2

0730 – 0830	Production Optimization Strategies <i>Artificial Lift Systems Design and Selection • Well Performance Monitoring and Enhancement • Production Allocation and Reconciliation • Field Data Management Systems</i>
0830 – 0930	Reservoir Management Interface <i>Integration of Subsurface and Surface Data • Reservoir Surveillance Techniques • Decline Curve and Material Balance Analysis • Role of Reservoir Simulation in Field Management</i>
0930 – 0945	<i>Break</i>



0945 – 1100	Enhanced Oil Recovery (EOR) Techniques Chemical EOR Methods • Thermal and Gas Injection Processes • EOR Screening Criteria for Mature Fields • Economic Evaluation of EOR Options
1100 – 1215	Well & Facilities Integrity Well Integrity Monitoring Systems • Management of Aging Wells and Facilities • Corrosion Monitoring and Control • Emergency Preparedness for Integrity Failures
1215 – 1230	Break
1230 – 1330	Oil Field Digitalization & Automation Real-Time Data Acquisition Systems • Use of AI and Machine Learning in Operations • SCADA and DCS Integration • Cybersecurity Challenges in Digital Oil Fields
1330 – 1420	Cost Control & Production Economics Cost Structure of Oil Field Operations • Methods for Lifting Cost Reduction • Benchmarking Against Industry KPIs • Forecasting Production Costs and Revenues
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	Advanced Drilling Project Management Well Design and Planning Principles • Drilling Risk Identification and Control • Time and Cost Estimation for Drilling Programs • Non-Productive Time (NPT) Analysis
0830 – 0930	Completion Engineering for Field Managers Completion Design Selection Criteria • Sand Control and Zonal Isolation Techniques • Intelligent Completions Overview • Impact of Completion Design on Production
0930 – 0945	Break
0945 – 1100	Workover & Well Intervention Management Workover Planning and Execution • Coiled Tubing and Snubbing Operations • Fishing and Milling Operations • Lessons Learned from Workover Failures
1100 – 1215	Drilling & Completion HSE Best Practices Well Control and Blowout Prevention Systems • Drilling Fluids and Cuttings Management • Safe Rig Move and Rig-up Practices • Contractor Safety Management
1215 – 1230	Break
1230 – 1330	Rig & Equipment Management Rig Selection and Specification • Maintenance Strategies for Rigs • Mobile versus Platform Rig Considerations • Contracting and Cost Controls for Rig Services
1330 – 1420	Real-Time Drilling Data Management Use of WITSML and Real-Time Data Protocols • Mud Logging and Formation Evaluation • Integration of Drilling Data into Decision Making • Remote Operations Centers
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 Three





Day 4

0730 – 0830	Operational Risk Management Hazard Identification Methods (HAZID, HAZOP) • Barrier Management in Oil Field Operations • Bowtie Analysis Application • Quantitative Risk Assessment (QRA)
0830 – 0930	Process Safety in Oil Fields Safety-Critical Equipment Management • Layers of Protection Analysis (LOPA) • Incident Investigation Techniques • Safety Culture and Human Factors
0930 – 0945	Break
0945 – 1100	Emergency Response & Crisis Management Oil Spill Contingency Planning • Well Control Emergency Response • Crisis Communication Protocols • Tabletop and Full-Scale Exercise Design
1100 – 1215	Environmental Management in Oil Fields Emission and Discharge Control Strategies • Waste Management in Field Operations • Biodiversity Protection Near Oil Fields • Compliance with ISO 14001 Principles
1215 – 1230	Break
1230 – 1330	Security of Oil Field Assets Physical Security Measures for Facilities • Cybersecurity of Operational Technology • Security Risk Assessments • Coordination with National Security Agencies
1330 – 1420	Insurance & Risk Financing Types of Oil Field Insurance Coverage • Claims Management Process • Self-Insurance versus Third-Party Insurance • Risk Transfer Through Contractual Mechanisms
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 Four

Day 5

0730 – 0830	Field Performance Benchmarking Use of Global Benchmarks for Performance • Production Efficiency Metrics • Downtime Analysis and Mitigation • Continuous Improvement Systems
0830 – 0930	Innovation in Oil Field Management Emerging Technologies (Nanotechnology, Robotics) • Applications of Digital Twins • Automation of Inspection and Maintenance • Pilot Projects and Field Trials
0930 – 0945	Break
0945 – 1100	Integrated Field Management Strategies Collaboration Between Disciplines (Reservoir, Drilling, Production) • Integrated Asset Modeling • Portfolio Management of Field Assets • Shared Services and Centralized Operations
1100 – 1215	Sustainability & Energy Transition Carbon Intensity Reduction Strategies • Flaring and Venting Minimization • Integration of Renewables in Field Operations • ESG Reporting for Field Managers
1215 – 1230	Break

1230 – 1300	Advanced Data Analytics in Field Operations <i>Predictive Analytics for Maintenance • Production Forecasting Using AI • Big Data Management Challenges • Data Governance and Quality Control</i>
1300 – 1345	Final Case Study & Action Planning <i>Group Exercise: Develop a Field Optimization Plan • Presentation of Findings and Recommendations • Peer Review and Feedback • Personal Action Plan for Applying Course Learnings</i>
1345 – 1400	Course Conclusion <i>Using this Course Overview, the Instructor(s) will Brief Participants about Topics that were Covered During the Course</i>
1315 – 1415	COMPETENCY EXAM
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch & End of Course</i>

Practical Sessions

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



Course Coordinator

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