

COURSE OVERVIEW OE0040

Oil & Gas Marine Terminals: Operation, Management & Safety

Course Title

Oil & Gas Marine Terminals: Operation, Management & Safety

Course Date/Venue

Session 1: April 06-10, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE
 Session 2: September 08-12, 2025/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

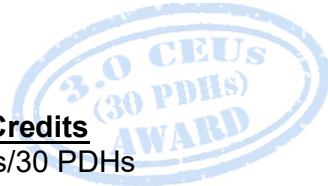


Course Reference

OE0040

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 “MS Excel” applications.

This course is essential for marine terminal personnel. All applicable marine terminal regulations (current & proposed) and policies pertaining to marine transfer operations and spill contingency planning will be discussed. Attendants will receive a solid foundation of the requirements for oil & hazardous material facilities and transfer operations.



The course will concentrate on Oil & Gas Marine Terminals and will cover all Operational and Managerial requirements for Oil/Gas marine terminals from the Human Factor up to the Vessel/Tanker operations within the oil/gas industry. This will cover the On-shore/Off-shore Terminals, Hydrocarbon properties & Handling, Regulations & Requirements, Terminal Planning, Vessel Operations, Terminal Management & Operations, Security & Safety and other essential topics related to Export/Import Oil & Gas.



The topics presented during this training course will provide companies with the information necessary to meet current and proposed compliance requirements more economically while maintaining the highest level of safety.

Course Objectives

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

- Optimize the operations of oil and gas marine terminals
- Apply an in-depth knowledge on operations and management of oil and gas marine terminals
- Implement the international regulations and requirements for the oil and gas marine terminals and acknowledge the importance of the human factor in the operation and management of the marine terminal
- Employ proper planning techniques in stowage and transfer systems and command the various planning and transfer requirements for oil and gas marine terminal
- Discuss the different vessel operations in the oil and gas marine terminal such as oil tankers (crude & product) and gas carriers (LNG / LPG)
- Gain a good terminal management skill and employ the various terminal support operations such as berthing support, cargo transfer support, emergency response and vessel departure support
- Apply proven safe practices and procedures during the various operations in oil and gas terminals and manage oil spill contingency and emergency response plans
- Employ proper qualitative and quantitative risk assessment techniques in oil and gas marine terminal 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 covers the systematic techniques of optimizing oil and gas marine terminals for marine terminal managers, superintendents, supervisors, engineers, port captains, custody superintendents, facility managers, facility training coordinators, safety & environmental managers/engineers/officers, spill management team members, transfer supervisors, marine shipping coordinators and dock maintenance planners.

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 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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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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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.

Course Fee

US\$ 8,000 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 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:



Captain Mohamed Ghanem, MSc, BSc, is a Senior Master Marine Engineer with extensive experience in Marine Engineering within Oil & Gas, Refinery and Marine industry. His expertise widely covers in the areas of Global Maritime Distress Safety System (GMDSS), Marine Operations, International Maritime Conventions & Codes, International Ship and Port Facility Security Code (ISPS) Code, Buoyage System & International Code of Signals, Oil & Gas Marine Terminals, Port Terminals Crisis Management & Major Emergency Response, Marine Hazards Prevention & Control, Single Buoy Mooring System (SBM), Emergency Response Procedure, Oil Spill Management & Recovery, Oil Spill Management & Response, Oil Spill Prevention & Control, Oil Spill Combating Operations, Oil Spill Awareness, Oil & Gas Marine Terminals, Offshore Marine Operation Management, International Maritime Conventions & Codes, Vessel Hull & Machinery Survey, Oil & Gas Fields Offshore Survey, Oil & Gas Terminals Loading & Discharging, Marine Engineering, Terminal Operations, Seamanship, Shipping Overview, Marine Fire Fighting Equipment, Life Saving, Safety Process, Major Emergency Management & Control, Crisis Management during Oil Spill and Firefighting. He is currently the Jack Up Barge Engineer & Captain of ADNOC Drilling wherein he oversees all the operations onboard the vessel including navigation, maintenance and compliance with local regulations.

During his life career, Captain Mohamed has gained his practical and field experience through his various significant positions and dedication as the **Barge Engineer & Marine Planner Onboard, Trainee Barge Engineer Onboard, Assistant Barge Master II Onboard, Assistant Barge Master Onboard, Site Engineer, Marine Surveyor, Ship Repair Engineer, Vessel Repairing Engineer, Metal Cutting & Welding Planner, Marine Engineer Onboard, Technical Manager and Maintenance Mechanical Engineer** from the Shelf Drilling Co, Marine & Engineering Consulting, ADMARINE III (X-GSF 103) at ADES, Oceandro Large Yacht Builder, International Inspection Company, Synchrony-Lift Works and B-Tech Company.

Captain Mohamed has **Master and Bachelor** degrees in **Naval Architecture & Marine Engineering**. Further, he is a **Certified Instructor/Trainer, a Certified Trainer, Assessor & Internal Verifier** by the **Institute of Leadership of Management (ILM)** and holds a certificate in **Marine III Engineer** and **OIM & Mobile Offshore Drilling Unit (MODU)**. He is an **active member** of The International Transport Workers' Federation (ITF), UK and has delivered numerous courses, workshops, trainings and conferences worldwide.

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	The Onshore/Offshore Oil & Gas Marine Terminal Introduction of Director & Course Participants – Alignment of Expectations • Introduction to the Course with Outline of Course Objectives (Pre-Reads) • Definitions to be Used in the Course & in Line with Terminal Practice (Pre-Reads) • Basic Properties of Hydrocarbons & Types of Cargoes – Why the Terminal? • Historical Developments
0930 – 0945	Break
0945 – 1200	Oil & Gas Marine Terminal: Regulations & Requirements Regulations for Terminals & for Vessels while at Terminals (International, National, Local Port, Terminal)
1200 – 1215	Break
1215 – 1330	Oil & Gas Marine Terminal: Regulations & Requirements (cont'd) Major Terminal Management Concerns (Fire, Weather, Pollution, Ship Stability & Integrity, Communications, Documentation, Adequacy of Emergency Response Plans, Adequately Trained Terminal & Vessel Personnel)
1330 – 1420	Oil & Gas Marine Terminal – The Human Factor The Human Factor in Terminal Operations
1420 – 1430	Recap
1430	Lunch & End of Day One

Day 2

0730 – 0930	Oil Terminal Planning-Stowage & Transfer Systems Terminal Planning Factors–Onshore & Offshore
0930 – 0945	Break
0945 – 1100	Gas Terminal Planning-Stowage & Transfer Systems Terminal Planning Factors–Onshore & Offshore
1100 – 1230	General Terminal Planning & Transfer Requirements Terminal Planning Factors
1230 – 1245	Break
1245 – 1420	General Terminal Planning & Transfer Requirements (cont'd) Terminal Planning Factors (cont'd)
1420 – 1430	Recap
1430	Lunch & End of Day Two

Day 3

0730 – 0930	Vessel Operations (Oil Tankers – Crude & Product) Planning Oil Tanker Stowage & Cargo Transfer Handling • Vessel Stability & Structural Integrity Considerations • Loading • Discharging • Ballasting • Tank Cleaning
0930 – 0945	Break



0945 – 1100	Vessel Operations (Gas Carriers – LNG/LPG) Planning Gas Carrier Stowage & Cargo Transfer Handling • Vessel Stability & Structural Integrity Considerations • Loading • Discharging • Ballasting • Re-Liquefaction • Cool Down
1100 – 1230	Vessel Operations (Special Topics) The Use of Inert Gas Systems • The Use of Crude Oil Washing & Tank Cleaning • Ballasting Systems for Tankers & Gas Carriers
1230 – 1245	Break
1245 – 1420	Vessel Operations (Special Topics) (cont'd) Consideration of Pumping Rates & Charter Parties • Documentation Requirements
1420 – 1430	Recap
1430	Lunch & End of Day Three

Day 4

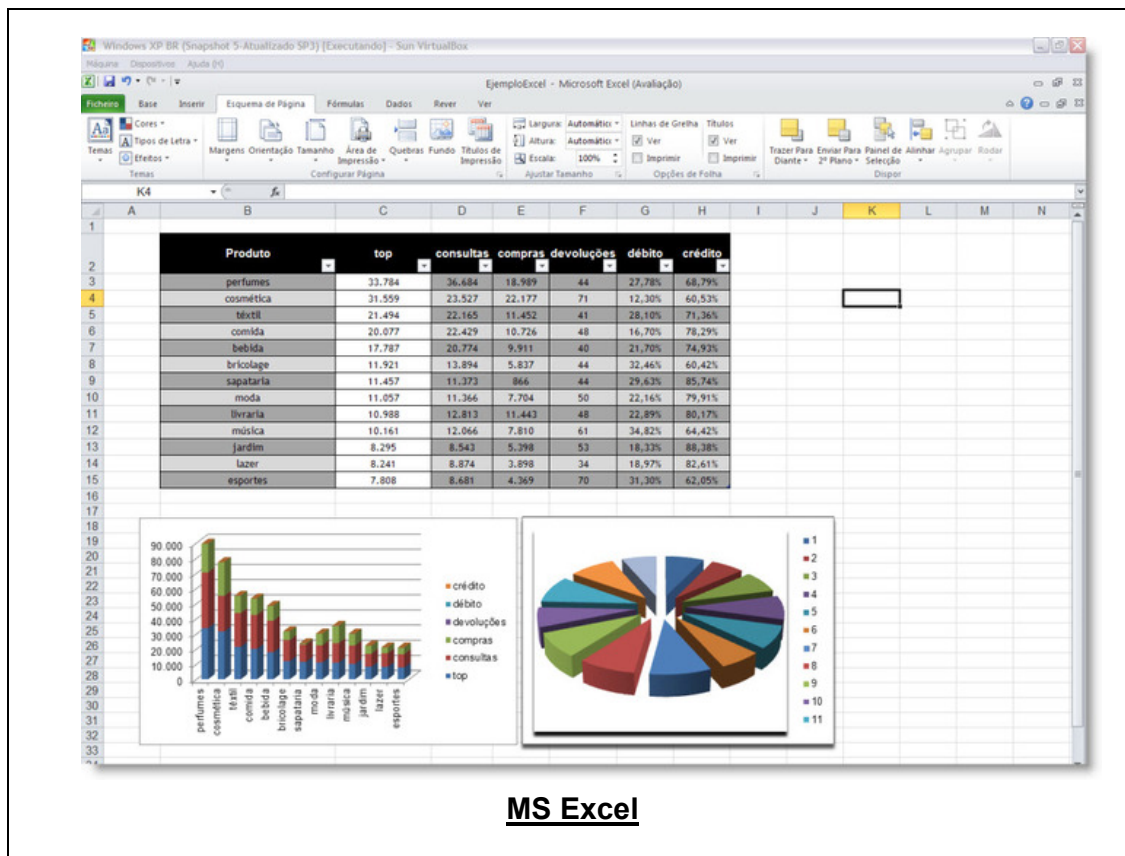
0730 – 0930	Terminal Management & Support Operations Management & Supervision • Terminal Support Operations
0930 – 0945	Break
0945 – 1100	Terminal Management & Support Operations (cont'd) Safety & Security in the Marine Terminal • Maintenance & Repair
1100 – 1200	Safe Operations in Oil & Gas Terminals Safety & Safety Culture • Weather Considerations • Hazardous Cargoes
1200 – 1215	Break
1215 – 1420	Safe Operations in Oil & Gas Terminals (cont'd) Topping Off Considerations & Procedures • Fire Prevention & Containment • Fire Fighting Systems & Procedures
1420 – 1430	Recap
1430	Lunch & End of Day Four

Day 5

0730 – 0900	Oil Spill Contingency & Emergency Response Plans
0900 – 0915	Break
0915 – 1045	Qualitative & Quantitative Risk Assessments
1045 – 1200	Workshop: Port Charges in the Arabian Gulf States
1200 – 1215	Break
1215 – 1345	Open Forum
1345 – 1400	Course Conclusion
1400 – 1415	POST-TEST
1415 – 1430	Presentation of Course Certificates
1430	Lunch & End of Course

Simulators (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 our “MS Excel” application.



Course Coordinator

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