

**COURSE OVERVIEW OE0445(AR1)-4D**

**Tanker & Marine Terminals**

Operations, Charter Parties, Laytime, Demurrage, Loss Control, Audits, Rules & Regulations

**Course Title**

Tanker & Marine Terminals: Operations, Charter Parties, Laytime, Demurrage, Loss Control, Audits, Rules & Regulations

**Course Reference**

OE0445(AR1)-4D

**Course Duration/Credits**

Four days/2.4 CEUs/24 PDHs



**Course Date/Venue**

Session(s)	Date	Venue
1	March 04-07, 2024	Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
2	June 03-06, 2024	Jubail Hall, Signature Al Khobar Hotel, Al Khobar, KSA
3	September 02-05, 2024	Boardroom, Warwick Hotel Doha, Doha, Qatar
4	December 09-12, 2024	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

**Course Description**



***This practical, 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.***

The domestic and international rules governing the qualifications for personnel serving on tank vessels have changed in recent years and the operation of marine terminals has become more socially and environmentally sensitive. Accidents, the potential for accidents and the extreme consequence that can result for operating companies has heightened the need not only for effective operations but a need to be able to show that operations meet international best practice.

This course addresses some of the serious, often complex issues facing the industry today and details practical areas of ship operations and will concentrate on tanker operations, tanker charter parties, laytime and demurrage, petroleum cargo loss control, terminal operations audits and marine rules and regulations.

The course will also provide an excellent practical review of tanker operations without being loaded down with excessive technical detail. It details tanker types, sizes, uses and design of tank vessels; cargo and classification methods; tanker route planning and navigation; tanker cleaning practices and procedures; cargo planning, operations and measurement; and maintenance practices. Further, the relative laws, regulations, and regulatory bodies and industry organizations will also discuss such as IMO, API, ISO, ASTM, ISPS, etc. The basics of charter parties, worldscale and vessel performance will also be covered during the course.

### **Course Objectives**

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

- Apply systematic techniques in tanker and marine terminal operations, charter parties, laytime, demurrage, loss control, audits, rules and regulations
- Identify the types, sizes uses and design of tank vessels, types of cargo and classification methods
- Employ tanker cleaning practices and procedures, cargo measurement, cargo lightering and maintenance practices
- Recognize the types of tankers' charter parties and discuss the chartering terms and definitions
- Apply tankers' vetting techniques, voyage cost structure, laytime calculation demurrage calculations and gain knowledge on worldscale and freight rates
- Discuss ship and shore measurement terms and definitions and the difference between static and dynamic measurement
- Illustrate petroleum loss prevention and petroleum loss investigations
- Apply inventory and custody transfer accounting, cargo reconciliation and voyage analysis
- Employ safety aspects and concerns
- Audit inventory control and losses, tank strapping and certification, environmental issues, handling of hazardous waste in storage tanks, leak detection and prevention, soil remediation, personnel training program, safety issues, security issues
- Gain knowledge on the industry acts, rules and conventions, ISPS code and other security issues, pollution laws and regulations

### **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, 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 on the operations, charter parties, laytime, demurrage, loss control, audits, rules and regulations of tanker and marine terminals for marine operations managers, superintendents, supervisors, engineers and other technical staff.

### 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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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 **2.4 CEUs** (Continuing Education Units) or **24 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.

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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.

**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 oversee 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.

### Training Methodology

This interactive training course includes the following training methodologies as a percentage of the total tuition hours: -

- 30% Lectures
- 20% Workshops & Work Presentations
- 30% Case Studies & Practical Exercises
- 20% Software, Simulators & 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\$ 6,500</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\$ 6,500</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\$ 7,500</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\$ 6,500</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.

### Accommodation

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

### 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 – 0745	<i>Registration &amp; Coffee</i>
0745 – 0800	<i>Welcome &amp; Introduction</i>
0800 – 0815	<b>PRE-TEST</b>
0815 – 0930	<b>Tanker Operations</b> <i>Types, Sizes, Uses and Design of Tank Vessels • Maritime terms and Definitions • Types of Cargo and Classification Methods</i>
0930 – 0945	<i>Break</i>
0945 – 1115	<b>Tanker Operations (cont'd)</b> <i>Tanker Route Planning and Navigation • Tankers' Anatomy • Cargo Planning and Operations</i>
1115 - 1230	<b>Tanker Operations (cont'd)</b> <i>Tanker Cleaning Practices and Procedures • Cargo Measurement • CargoLightering • Maintenance Practices</i>



1230 - 1245	Break
1245 - 1420	<b>Tanker Charter Parties, Laytime and Demurrage</b> Types of Tankers' Charter Parties • Chartering Terms and Definitions • Typical Charter Parties Clauses • Tankers Vetting Techniques • Voyage Cost Structure • Notice of Readiness Implications
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**

0730 - 0930	<b>Tanker Charter Parties, Laytime and Demurrage (cont'd)</b> Laytime Calculation • Elements of a Demurrage Claim • Investigating a Claim • Demurrage Calculations • Worldscale and Freight Rates • Disputes Arbitration and Litigation
0930 - 0945	Break
0945 - 1115	<b>Petroleum Cargo Loss Control</b> Ship and Shore Measurement Terms and Definitions • Static vs. Dynamic Measurement • Aspects of Measurement Accuracy
1115 - 1230	<b>Petroleum Cargo Loss Control (cont'd)</b> Petroleum Loss Prevention • Petroleum Loss Investigations • Inventory and Custody Transfer Accounting
1230 - 1245	Break
1245 - 1420	<b>Petroleum Cargo Loss Control (cont'd)</b> Cargo Reconciliation and Voyage Analysis • Investigation Cases Documentation • Safety Aspects and Concerns • Legal Aspects of Custody Transfer
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 Two

**Day 3**

0730 - 0930	<b>Terminal Operations Audits</b> Regulatory and Industry Organizations • Inventory Control and Losses • Tank Strapping and Certification
0930 - 0945	Break
0945 - 1215	<b>Terminal Operations Audits (cont'd)</b> Terminal Auditing - Compliance/Safety/Inventory • Environmental Issues • Handling of Hazardous Waste in Storage Tanks
1215 - 1230	Break
1230 - 1330	<b>Terminal Operations Audits (cont'd)</b> Leak Detection and Prevention • Soil Remediation • Personnel Training Programs



1330 – 1420	<b>Terminal Operations Audits (cont'd)</b> Safety Issues • Security Issues
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 Four

#### **Day 4**

0730 – 0930	<b>Marine Rules and Regulations</b> Governing National and International Authorities • Industry Organizations (IMO, API, ISO, ASTM)
0930 – 0945	Break
0945 – 1145	<b>Marine Rules and Regulations (cont'd)</b> Industry Acts, Rules and Conventions • Classification Societies
1145 – 1245	<b>Marine Rules and Regulations (cont'd)</b> Oil Spill Prevention and Cleanup • ISPS Code and other Security Issues
1245 – 1300	Break
1300 – 1345	<b>Marine Rules and Regulations (cont'd)</b> Pollution Laws and Regulations • Future of Single and Double Hull
1345 – 1400	<b>POST-TEST</b>
1400 – 1415	<b>Course Conclusion</b> Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course
1415 – 1430	Presentation of Course Certificates
1430	Lunch & End of Course

#### **Practical Sessions**

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



#### **Course Coordinator**

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