

COURSE OVERVIEW OE0399(KN1)
Loading Master Certification for Oil & Gas Terminals

Course Title

Loading Master Certification for Oil & Gas Terminals

Course Reference

OE0399(KN1)

Course Duration/Credits

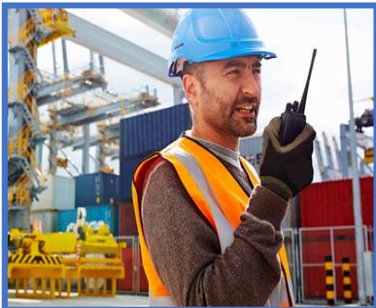
Five days/3.0 CEUs/30 PDHs



Course Date/Venue

| Session(s) | Date | Venue |
|------------|-----------------------|---|
| 1 | March 03-07, 2024 | Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE |
| 2 | June 10-14, 2024 | Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE |
| 3 | September 08-12, 2024 | Jubail Hall, Signature Al Khobar Hotel, Al Khobar, KSA |
| 4 | December 08-12, 2024 | Club C Meeting Room, Ramada, Plaza by Wyndham Istanbul City Center, Sisli, Turkey |

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.



The loading master person-in-charge (PIC) is the marine transfer operator at the marine terminal who supervises the movement of petroleum products between tanker ships, barges, and the terminal while the vessel is berthed at the dock. In this capacity the marine transfer operator ensures that all regulatory aspects concerning protection of the environment and maritime security are adhered to during marine transfer operations. Of particular importance is ensuring no water pollution occurs from a spill or a breach of security from the access of unauthorized personnel.



This course is designed to provide participants with a detailed and up-to-date overview of loading master for oil and gas terminals. It covers the procedures for handling, loading and discharging of oil and gas cargoes; the updated international regulations; the operational efficiency for oil storage and transport; the compliance, safety and environmental performances; and the special safety, maintenance and emergency procedures for oil and gas tankers.



Course Objectives

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

- Master operational best practices and apply a structured approach to oil and gas marine terminal management
- Identify improved procedures for the handling, loading and discharging of oil and gas cargoes
- Use updated international regulations concerning tankers including physical properties and types of cargoes
- Implement and increase the operational efficiency for oil storage and transport
- Disclose loss awareness and techniques to prevent losses
- Improve compliance, safety and environmental performances including pollution prevention and marine response to spills
- Clarify pumps and pipeline systems including loading and discharge operations
- Develop, plan and implement special safety, maintenance and emergency procedures for oil and gas tankers

Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Howard 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 is intended for port and terminal operations managers, port operations shift executives, marine officers, mooring masters, plant managers and supervisors, barge superintendent and executives, plant superintendent (off-site and on-site), process engineers, HSE officers and executives, logistics and distributions executives, deck leaders, deck crews and other technical staff.

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)

(1) Internationally recognized Wall Competency Certificates and Plastic Wallet Card Certificates 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 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.

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

CEUs
Page 1 of 1

CEU Official Transcript of Records

TOR Issuance Date: 19-Nov-17
HTME No. PAR11317
Participant Name: Rashed Al Ismail

| Program Ref. | Program Title | Program Date | No. of Contact Hours | CEU's |
|--|--|-----------------|----------------------|------------|
| OE399(KN1) | Loading Master Certification for Oil & Gas Terminals | Nov 15-19, 2017 | 30 | 3.0 |
| Total No. of CEU's Earned as of TOR Issuance Date | | | | 3.0 |

TRUE COPY


 Maricel De Guzman
 Academic Director

Haward Technology has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2013 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 1-2013 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

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 **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.

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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.

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 Jack-up Barge Captain with extensive experience in Drilling Rigs, Jackup Barge Operations and MODU within the Oil & Gas industry. His expertise widely covers in the areas of Jack-up Barges, Rig Safety Protocols, Drilling Rigs & Jack-up Barges Maintenance & Servicing, Drilling Rig Components, Naval & Marine Engineering, Marine Planning & MODU Stability, Rig Move Operation, UWILD, Stability Reports, Draft Surveys, Rig Reactivation & Under Water Surveys, Damage Survey & Cost Estimation, Tanker Vetting for Terminals, Loading Master Certification for Oil & Gas Terminals, Marine Terminal Operation, Liquefied Gas Tankers & Jetty Operation, Global Maritime Distress Safety System (GMDSS), 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 Prevention & Control, Oil Spill Combating Operations, Oil & Gas Marine Terminals, Offshore Marine Operation Management, Vessel Hull & Machinery Survey, Oil & Gas Fields Offshore Survey, Oil & Gas Terminals Loading & Discharging, Terminal Operations, Seamanship, Shipping Overview, Marine Fire Fighting Equipment, Hull Damage Control, Vessel Rescue, Life Saving, Safety Process, Major Emergency Management & Control, Crisis Management during Oil Spill and Firefighting. He is currently the Jack Up Barge Captain & Marine Planner 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, Design Engineer, Ship Yard Site Engineer/QC Engineer, Marine Draft Surveyor, Ship Repair Engineer, Vessel Repairing Engineer, Metal Cutting & Welding Planner, Marine Engineer Onboard, Technical Manager, Maintenance Mechanical Engineer and Reserve Marine Officer** 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 **Bachelor's** degree in **Naval Architecture & Marine Engineering** and currently enrolled in **Master's** degree 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 Fee

| | |
|-----------|---|
| Dubai | 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. |
| Abu Dhabi | 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 |
| Al Khobar | 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. |
| Istanbul | US\$ 8,500 per Delegate + VAT . This rate includes Participants Pack (Folder, Manual, Hand-outs, etc.), 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:

Day 1

| | |
|-------------|---|
| 0730 – 0800 | <i>Registration & Coffee</i> |
| 0800 – 0815 | <i>Welcome & Introduction</i> |
| 0815 – 0830 | PRE-TEST |
| 0830 – 0915 | Operational Best Practices |
| 0915 – 0930 | <i>Break</i> |
| 0930 – 1100 | Operational Best Practices (cont'd) |
| 1100 – 1200 | Structured Approach to Oil & Gas Marine Terminal Management |
| 1200 – 1215 | <i>Break</i> |
| 1215 – 1420 | Structured Approach to Oil & Gas Marine Terminal Management (cont'd) |
| 1420 – 1430 | Recap |
| 1430 | <i>Lunch & End of Day One</i> |

Day 2

| | |
|-------------|---|
| 0730 – 0930 | Operational Procedures <i>Handling • Loading of Oil and Gas Cargoes</i> |
| 0930 – 0945 | <i>Break</i> |
| 0945 – 1100 | Operational Procedures (cont'd) <i>Discharging of Oil & Gas Cargoes</i> |
| 1100 – 1200 | International Regulations Concerning Tankers <i>Physical Properties</i> |
| 1200 – 1215 | <i>Break</i> |
| 1215 – 1420 | International Regulations Concerning Tankers (cont'd) <i>Types of Cargoes</i> |
| 1420 – 1430 | Recap |
| 1430 | <i>Lunch & End of Day Two</i> |





Day 3

| | |
|-------------|---|
| 0730 – 0930 | Operational Efficiency Oil Storage |
| 0930 – 0945 | Break |
| 0945 – 1100 | Operational Efficiency (cont'd) Oil Transport |
| 1100 – 1200 | Loss Awareness & Techniques to Prevent Losses |
| 1200 – 1215 | Break |
| 1215 – 1420 | Loss Awareness & Techniques to Prevent Losses (cont'd) |
| 1420 – 1430 | Recap |
| 1430 | Lunch & End of Day Three |

Day 4

| | |
|-------------|--|
| 0730 – 0930 | Compliance, Safety & Environmental Performances Pollution Prevention • Marine Response to Spills |
| 0930 – 0945 | Break |
| 0945 – 1100 | Compliance, Safety & Environmental Performances (cont'd) Pollution Prevention • Marine Response to Spills (cont'd) |
| 1100 – 1200 | Pumps & Pipeline Systems Loading & Discharge Operations |
| 1200 – 1215 | Break |
| 1215 – 1420 | Pumps & Pipeline Systems (cont'd) Loading & Discharge Operations (cont'd) |
| 1420 – 1430 | Recap |
| 1430 | Lunch & End of Day Four |

Day 5

| | |
|-------------|--|
| 0730 – 0830 | Safety & Environmental Management |
| 0930 – 0945 | Break |
| 0945 – 1100 | Safety & Environmental Management (cont'd) |
| 1100 – 1215 | Maintenance & Emergency Procedures for Oil & Gas Tankers |
| 1215 – 1230 | Break |
| 1230 – 1300 | Maintenance & Emergency Procedures for Oil & Gas Tankers (cont'd) |
| 1300 – 1315 | Course Conclusion |
| 1315 – 1415 | COMPETENCY EXAM |
| 1415 – 1430 | Presentation of Course Certificates |
| 1430 | Lunch & End of Course |





Practical Sessions

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



Course Coordinator

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