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

Course Title
Loading Master Certification for Oil & Gas Terminals



H-STK© INCLUDED

Course Date/Venue
Session 1: May 02-06, 2027/Meeting Plus 9, City Centre Rotana, Doha, Qatar
Session 2: October 10-14, 2027/Meeting Plus 9, City Centre Rotana, Doha, Qatar

3.0 CEUs (30 PDHs) AWARD

Course Reference
OE0399(KN1)

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

Course Description







This practical and 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 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/Outcomes & Benefits for the Participants

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 "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 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

Our courses employ an interactive, learner-centred methodology that integrates theoretical knowledge with practical application. The training is delivered through a suitable combination of some or all of the following methods, selected according to the course content and learning objectives:

- Instructor-led presentations and facilitated discussions
- Practical workshops and participant presentations
- Hands-on exercises and real-world case studies
- Equipment demonstrations and technical drawings
- Hardware- and software-based simulations
- Gamification & Role Play in soft-skills courses only
- Virtual Reality (VR) and Augmented Reality (AR)
- Instructional videos and other relevant training resources

This blended approach encourages active participation, strengthens practical skills and supports the effective application of acquired knowledge in the workplace.

Learning Design & Customization

This course can be customized to the exact requirements of clients. Haward Technology is so proud of our huge capabilities in tailoring our courses to the training needs of our valued clients.

Course Certificate(s)

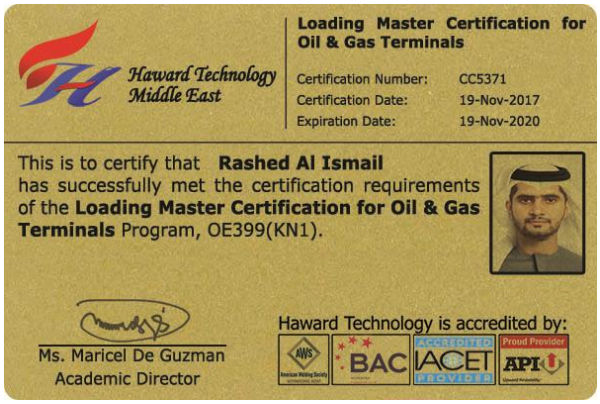
(1) Internationally recognized Competency Certificates and Plastic Wallet Cards will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Certificates are valid for 5 years.

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.



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

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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

P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 3091 714 | Fax: +971 2 3091 716 | E-mail: info@haward.org | Website: www.haward.org

Certificate Accreditations

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

- 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.

- 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.

Accommodation

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

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.

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. Luis Manuel is a **Senior Marine Offshore Engineer** with over **30 years** of extensive and practical experience within the **Oil**, **Gas**, **Petrochemical** and **Petroleum** industries. His expertise includes **Pipelines** & **Piping** Design, **International Ship and Port Facility Security Code** (**ISPS**) **Code**, Inspection & Maintenance (**ASME B31**, **API 579** & **API 580**), **Offshore Structure** Engineering, Risk-Based Inspection (**RBI**), Integrity Assessment, Forensic Analysis, Structural Analysis, Design & Engineering, Naval Architecture, Regulatory Compliance Inspections, **Stress & Fatigue Analysis** using **SACS**, **StruCad**, **Caesar II** and **Finite Element Analysis** simulators. He was the **Technical Advisor** and **Engineering Manager** of a leading international engineering firm where he led all Inspections, Structural Engineering and Pipeline Projects for **Total-ELF**, **Shell** and **Mobil**.

During his career life, Mr. Manuel has gained his thorough practical experience in **multiple engineering disciplines** that includes pipeline/piping inspection and engineering, naval engineering, container cargo lashing, aerospace engineering and offshore structural engineering (oil and gas exploration platforms) through several challenging positions such as the **Senior Pipelines Engineer**, **Senior Piping Engineer**, **Senior & Lead Structural Engineer**, **Staff Engineer**, **Naval Architect** and **Applications Engineer** for various international companies including **Chevron**, **ExxonMobil**, **Addax Petroleum**, **ZAGOC**, **NASSCO**, DWC, Point Engineering, **US ARMY**, W.S. & Atkins, Atlas Engineering, **Heerema Offshore**, Casbarian Engineering Associates (CEA), Textron Marine, Ingalls Shipbuilding and Peck & Hale. Further, he has been heavily involved in the development of fabrication and erection drawings for offshore structures including installation and rigging as well as in the instruction materials as authorized by EDI (**Engineering Dynamic Incorporated**) for the training of engineers on the Structural Analysis Computer System (**SACS**) software.

Mr. Manuel has a **Bachelor** degree in **Structural & Marine Engineering** from the **State University of New York**. Further, he is a **Certified Internal Verifier/Trainer/Assessor** by the **Institute of Leadership & Management** (**ILM**), a **Certified Instructor/Trainer** and the **author** of the book "**Offshore Platforms Design**" and the "**SACS Software Training Module**".

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 – 0915	***Operational Best Practices***
0915 – 0930	*Break*
0930 – 1100	***Operational Best Practices (cont'd)***
1100 – 1200	***Structured Approach to Oil & Gas Marine Terminal Management***
1200 – 1215	*Break*
1215 – 1420	***Structured Approach to Oil & Gas Marine Terminal Management (cont'd)***
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2

0730 – 0930	***Operational Procedures*** *Handling ● Loading of Oil & Gas Cargoes*
0930 – 0945	*Break*
0945 – 1100	***Operational Procedures (cont'd)*** *Discharging of Oil & Gas Cargoes*
1100 – 1200	***International Regulations Concerning Tankers*** *Physical Properties*
1200 – 1215	*Break*
1215 – 1420	***International Regulations Concerning Tankers (cont'd)*** *Types of Cargoes*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

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 – 0930	***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

Jaryl Castillo, Tel: +974 6652 9196, Email: jaryl@haward.org