

COURSE OVERVIEW 0E0399(KN1) Loading Master Certification for Oil & Gas Terminals

Course Title

Loading Master Certification for Oil & Gas Terminals

Course Date/Venue

November 02-06, 2025/Slaysel 02 Meeting Room, Movenpick Hotel & Resort Al Bida'a Kuwait, City of Kuwait

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 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 "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

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

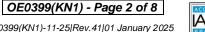
30% Hands-on Practical Exercises & Case Studies

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:-















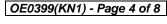




(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

















Certificate Accreditations

Certificates are accredited by the following international accreditation organizations:-



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.



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 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:



Mr. Luis Manuel is a Senior Offshore & Inspection Engineer with over 35 years of extensive and practical experience within the Oil, Gas, Petrochemical and Petroleum industries. His expertise includes Oil & Gas Marine Terminals, Vessel Hull & Machinery Survey, Oil & Gas Fields Terminal Operations, Seamanship, Shipping Overview, Marine Fire Fighting Equipment, Hull Damage Control, Vessel Rescue, Life Saving, Safety Process, Offshore Marine Operation Management,

Offshore Survey, Oil & Gas Terminals Loading & Discharging, Performance Monitoring of Offshore Structures, Offshore Pipeline Global Buckling, Offshore Modular Units, Offshore Structure Design & Construction, Offshore Project Management, Tanker Vetting for Terminals, Loading Master Certification for Oil & Gas Terminals, Port Terminals Crisis Management & Major Emergency Response. Further he is also well versed in ASME Post Construction Code, Inspection Planning, Fitness-for-Service (FFS) (API 579), Design, Inspection, Repair, Maintenance, Alteration and Reconstruction of Steel Storage Tanks (API-653), Positive Material Identification (API RP 578), Pressure Equipments and Pressure Vessels (ASME VIII & API-510); Tanker & Marine Terminals, Offshore Rig Inspection, Pipelines & Piping Design, Inspection & Maintenance (ASME B31, API 579 & API 580), Pipelines & Manifolds System, Offshore Structure Engineering, Single Buoy Mooring (SBM), Underwater Inspection by ROV, Subsea Pipeline Engineering, 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**, **Offshore Project Manager**, **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's 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. Sunday, 02nd November 2025

Day I.	Suriday, 02 November 2025
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

Mondav. 03rd November 2025 Day 2:

Day Z.	Monday, 05 November 2025
0730 - 0930	Operational Procedures
	Handling • Loading of Oil and 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. Tuesday, 04th November 2025

Day J.	ruesuay, 04 November 2025
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: Wednesday, 05th November 2025

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: Thursday, 06th November 2025

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

Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org



