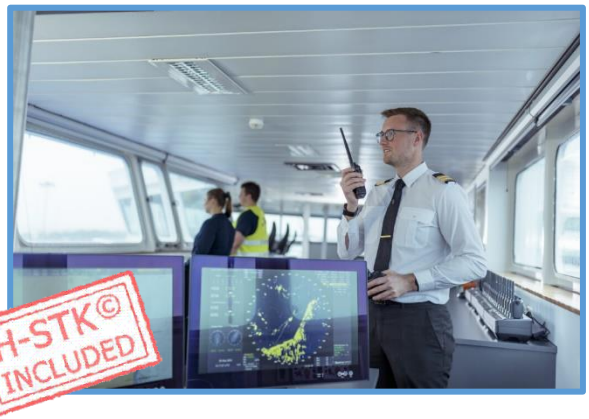
COURSE OVERVIEW OE0093
Specialized Marine Competency Program



Course Title
Specialized Marine Competency Program

Course Date/Venue
Session 1: April 06-10, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE
Session 2: August 04-08, 2025/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Course Reference
OE0093

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.

This course is designed to provide participants with a detailed and up-to-date overview of Specialized Marine Competency Program. It covers the global significance of maritime trade including maritime regulations and compliance; the key components of ship structure, principles of buoyancy and stability and types of marine vessels and their purposes; the marine safety management systems, emergency response and preparedness; the marine pollution prevention techniques, ballast water management and waste management on ships; and the principles of navigation, bridge resource management (BRM), cargo handling and stowage.

Further, the course will also discuss the weather charts and forecasts interpretation; the impact of weather on vessel operations; the marine communication systems, watchkeeping principles, marine engineering basics and electrical systems on board; the proper maintenance and repair, fuel management and ballast water and waste management; and the critical systems and equipment and dynamic positioning (DP) systems.

During this interactive course, participants will learn the offshore and subsea operations, tanker operations, search and rescue (SAR) operations, ice navigation and polar operations and port and terminal operations; building effective teams onboard; the conflict resolution and cultural sensitivity and motivate crew members; the crisis management, human behavior and marine risk assessment; and the emerging trends in maritime technology including career development and competency building.

Course Objectives

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

- Apply and gain an in-depth knowledge on specialized marine competency program
- Discuss the global significance of maritime trade including maritime regulations and compliance
- Identify the key components of ship structure, principles of buoyancy and stability and types of marine vessels and their purposes
- Recognize marine safety management systems and apply emergency response and preparedness
- Apply marine pollution prevention techniques, ballast water management and waste management on ships
- Discuss the principles of navigation and apply bridge resource management (BRM), cargo handling and stowage
- Interpret weather charts and forecasts and identify the impact of weather on vessel operations
- Recognize marine communication systems, watchkeeping principles, marine engineering basics and electrical systems on board
- Employ proper maintenance and repair, fuel management and ballast water and waste management
- Discuss critical systems and equipment and dynamic positioning (DP) systems
- Apply offshore and subsea operations, tanker operations, search and rescue (SAR) operations, ice navigation and polar operations and port and terminal operations
- Build effective teams onboard, apply conflict resolution and cultural sensitivity and motivate crew members
- Apply crisis management and human behavior and marine risk assessment
- Discuss the emerging trends in maritime technology including career development and competency building

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 provides a basic overview of all significant aspects and considerations of specialized marine competency program for seafarers, marine engineers and technicians, port and harbor personnel, marine surveyors and inspectors, maritime safety and environmental specialists, naval architects and ship designers, maritime trainers and instructors and other technical staff.

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.

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.

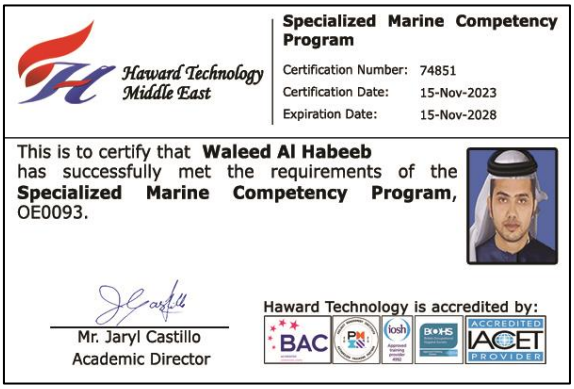
Course Certificate(s)

(1) Internationally recognized 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 of 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)

CEU Official Transcript of Records

TOR Issuance Date: 15-Nov-23

HTME No. 74851

Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
OE0093	Specialized Marine Competency Program	November 11-15, 2023	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date **3.0**

TRUE COPY

Jaryl Castillo
Academic Director

Haward Technology has been approved as an Accredited Provider by the International Association for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2018 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 1-2018 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 | E-mail: info@haward.org | Website: www.haward.org

Certificate Accreditations

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**. 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.

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 & Dischargin**, **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.

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	***Marine Industry Overview*** *Global Significance of Maritime Trade • Types of Vessels & their Functions • Overview of Marine Industries: Shipping, Fishing, & Energy • Key Stakeholders in the Maritime Sector*
0930 – 0945	*Break*
0945 – 1040	***Maritime Regulations & Compliance*** *International Maritime Organization (IMO) Standards • SOLAS (Safety of Life at Sea) Convention • MARPOL (Marine Pollution) Regulations • Flag State versus Port State Control*
1040 – 1135	***Ship Design & Stability Basics*** *Key Components of Ship Structure • Principles of Buoyancy & Stability • Types of Marine Vessels & their Purposes • Stability-Related Emergencies (e.g., Capsizing)*
1135 – 1230	***Marine Safety Management Systems*** *Safety Culture & Risk Assessment • Emergency Preparedness & Drills • Role of ISM (International Safety Management) Code • Key Safety Management Documentation*
1230 – 1245	*Break*
1245 – 1335	***Emergency Response & Preparedness*** *Types of Emergencies Onboard (e.g., Fire, Collision) • Use of Lifesaving Equipment (Lifeboats, Life Jackets) • Communication Protocols During Emergencies • Crew Roles in an Emergency Situation*
1335 - 1420	***Environmental Awareness & Responsibilities*** *Marine Pollution Prevention Techniques • Importance of Ballast Water Management • Waste Management on Ships • Role of Seafarers in Protecting the Marine Environment*
1420 – 1430	***Recap*** *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 – 0830	***Principles of Navigation*** *Basics of Marine Charts & Plotting • Understanding Navigational Aids (e.g., Buoys, Lighthouses) • Use of GPS & Electronic Chart Systems • Collision Avoidance Rules (COLREGs)*
0830 - 0930	***Bridge Resource Management (BRM)*** *Importance of Teamwork on the Bridge • Effective Communication Techniques • Stress & Fatigue Management • Decision-Making & Leadership on the Bridge*
0930 – 0945	*Break*

0945 – 1030	***Cargo Handling & Stowage*** *Types of Cargo (Dry Bulk, Liquid, Containers) • Cargo Securing Methods • Loading & Unloading Operations • Understanding Ship Stability During Cargo Handling*
1030 – 1230	***Marine Meteorology*** *Interpreting Weather Charts & Forecasts • Impact of Weather on Vessel Operations • Understanding Tides & Currents • Severe Weather Precautions (e.g., Cyclones, Storms)*
1230 – 1245	*Break*
1245 – 1335	***Marine Communication Systems*** *GMDSS (Global Maritime Distress & Safety System) • Radio Communication Procedures • Distress & Urgency Signals • Use of Satellite Communication Systems*
1335 - 1420	***Watchkeeping Principles*** *Duties of an Officer on Watch • Managing Watch Schedules • Maintaining Proper Lookout & Situational Awareness • Reporting Procedures During Watch*
1420 – 1430	***Recap*** *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 – 0830	***Marine Engineering Basics*** *Types of Marine Engines (Diesel, Gas Turbines) • Engine Room Layout & Components • Cooling & Lubrication Systems • Energy Efficiency Measures for Ships*
0830 - 0930	***Electrical Systems on Board*** *Marine Power Generation & Distribution • Role of Electrical Officers • Common Electrical Faults & Troubleshooting • Safety Precautions While Working with Electrical Systems*
0930 – 0945	*Break*
0945 – 1030	***Maintenance & Repair*** *Planned Maintenance Systems (PMS) • Condition-Based Monitoring Techniques • Tools & Equipment Used in Ship Repairs • Recordkeeping for Maintenance Activities*
1030 – 1230	***Fuel Management*** *Types of Marine Fuels (HFO, MGO, LNG) • Fuel Storage & Treatment • Understanding Fuel Efficiency Measures • Impact of IMO 2020 Sulfur Cap on Fuel Usage*
1230 – 1245	*Break*
1245 – 1335	***Ballast Water & Waste Management*** *Ballast Water Treatment Systems • Managing Oil & Sewage Waste Onboard • MARPOL Annex Compliance for Waste Discharge • Impact of Waste on Marine Ecosystems*
1335 - 1420	***Critical Systems & Equipment*** *Fire Detection & Suppression Systems • Steering Gear Systems & Operations • Propulsion Systems & their Components • Emergency Power & Backup Systems*
1420 – 1430	***Recap*** *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 Three*

Day 4

0730 – 0830	***Dynamic Positioning (DP) Systems*** *Overview of DP Systems & Applications • Sensors & Reference Systems in DP • Role of the DP Operator • Challenges in DP Operations (e.g., Weather, Seabed)*
0830 - 0930	***Offshore & Subsea Operations*** *Overview of Offshore Energy Installations • Basics of Subsea Engineering • Support Vessels for Offshore Operations • Diving & Remotely Operated Vehicle (ROV) Operations*
0930 – 0945	*Break*
0945 – 1030	***Tanker Operations*** *Types of Tankers (Oil, Chemical, LNG) • Tank Cleaning & Gas-Freeing Procedures • Precautions for Handling Hazardous Cargo • Emergency Response in Tanker Operations*
1030 – 1230	***Search & Rescue (SAR) Operations*** *Principles of SAR Missions • Use of Rescue Boats & Equipment • Coordination with Coast Guards & MRCCs • Case Studies of Successful SAR Operations*
1230 – 1245	*Break*
1245 – 1335	***Ice Navigation & Polar Operations*** *Challenges of Navigating in Icy Waters • Icebreaking Vessels & their Operations • Cold Weather Precautions & Survival • Polar Code Compliance*
1335 - 1420	***Port & Terminal Operations*** *Understanding Port Facilities & Operations • Pilotage & Tug Assistance • Port State Control Inspections • Cargo Loading & Unloading at Terminals*
1420 – 1430	***Recap*** *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 5

0730 – 0830	***Maritime Leadership & Teamwork*** *Building Effective Teams Onboard • Conflict Resolution & Cultural Sensitivity • Motivating Crew Members • Leadership Challenges in Multicultural Settings*
0830 – 0930	***Crisis Management & Human Behavior*** *Understanding Human Behavior in Crises • Psychological Aspects of Emergency Situations • Training Crew for Emergency Scenarios • Managing Post-Crisis Recovery*
0930 – 0945	*Break*
0945 – 1100	***Marine Risk Assessment*** *Identifying Hazards & Risks • Conducting Safety Audits & Inspections • Developing Risk Mitigation Plans • Incident Investigation & Reporting*
1100 – 1200	***Emerging Trends in Maritime Technology*** *Automation & Autonomous Vessels • Green Technologies & Alternative Fuels • Smart Shipping & Digital Twins • Cybersecurity in the Maritime Sector*
1200 - 1215	*Break*

1215 - 1300	***Career Development & Competency Building*** *Pathways for Marine Certification & Training • Importance of Lifelong Learning in the Industry • Opportunities in Specialized Marine Roles • Networking & Professional Development*
1300 - 1315	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1315 – 1415	***COMPETENCY EXAM***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

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

Course Coordinator

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