

**COURSE OVERVIEW HE0799**  
**Oil Spill Aerial Surveillance**

**Course Title**

Oil Spill Aerial Surveillance

**Course Date/Venue**

Session 1: January 05-09, 2025/Boardroom 1,  
 Elite Byblos Hotel Al Barsha, Sheikh  
 Zayed Road, Dubai, UAE

Session 2: July 07-11, 2025/Fujairah Meeting  
 Room, Grand Millennium Al Wahda  
 Hotel, Abu Dhabi, UAE



**H-STK<sup>©</sup>**  
**INCLUDED**

**Course Reference**

HE0799

**Course Duration/Credits**

Five days/3.0 CEUs/30 PDHs



**Course Description**



***This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt in the class will be applied using oil spill management and response simulator.***



The International Convention on Oil Pollution Preparedness, Response and Cooperation, 1990 (OPRC) calls for the International Maritime Organization, along with relevant international and regional organisations, oil and shipping industries, to develop a comprehensive training programme in the field of oil pollution preparedness and response including the availability of expertise for the development and implementation of training programmes. In this regard, it was decided to develop three model training courses aimed at the following:-s

Level one: First Responders

Level two: Supervisors and On-Scene Commanders

Level three: Administrators and Senior Managers



The Level Two course (Response to Marine Oil Spills Course for Supervisors and On-Scene Commanders) is designed to be conducted either as an intensive one week course or in modular fashion. The Level Three course (Response to Marine Oil Spills Seminar for Administrators/Senior Managers) is designed to be conducted as an intensive two day seminar.

This course is designed to provide participants with a comprehensive knowledge and skills required by IMO to certify them as Level-2 and Level-3 in Oil Pollution Preparedness, Response and Cooperation (OPRC). It covers the oil spill response and the causes, fate and effects of spilled oil; the contingency planning, response management and organization; the regulatory and legal aspects/requirements; the marine spill response strategies; the international co-operation and the legal framework; the liability and compensation; the roles and responsibilities in spill management; and the sensitivity mapping and the behavior and fate of an oil spills.

During this interactive course, participants will learn the environmental and economic impact of oil spills; the assessment and quantifications; the medical aspects and hazard identification; the spill response objectives and policy issues; the operation planning, containment, protection and recovery of oil; the shoreline clean up, site safety, waste management and trajectory management; the national/international cooperation and volunteers; the incident command, control and management; handling claims and legal aspects; participating in media press management and info sharing to community; information gathering and records keeping; liability and compensation; and the termination and post-incident debriefing.

### **Course Objectives**

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

- Apply and gain an in-depth knowledge on oil spill combating operations
- Carryout contingency planning and emergency response and discuss MARPOL and KEPA regulations and effective combating management
- Apply communication with public and media and review legal frameworks and limit the impact on the organization's reputation
- Discuss oil spill response and the causes, fate and effects of spilled oil
- Carryout contingency planning, response management and organization
- Identify regulatory and legal aspects/requirements
- Illustrate marine spill response strategies, international co-operation and the legal framework, liability and compensation
- Recognize the roles and responsibilities of spill management
- Discuss sensitivity mapping and the behavior and fate of an oil spills
- Explain the environmental and economic impact of oil spills assessment and quantifications and the medical aspects and hazard identification
- Review spill response objectives and policy issues
- Carryout operation planning, oil spill response options, containment, protection and recovery of oil
- Describe dispersants and in-situ burning as well as apply shoreline clean up and site safety
- Employ waste management and trajectory modelling

- Participate in national/international cooperation and volunteers and perform incident command, control and management
- Carryout claims handling and legal aspects as well as participate in media press management and info sharing to community
- Gather information and records keeping
- Apply liability and compensation, termination of response and post-incident debriefing

### **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 supervisors, on-scene commanders, administrators and senior managers. The course is also essential for managers, engineers and other technical and admin staff involved in oil spill management within ports, marine terminals, environmental, safety, HSE, marine operations, maintenance, marine authorities, municipalities, governmental and regulatory authorities.

### **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 Fee**

**US\$ 7,500** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

### **Accommodation**

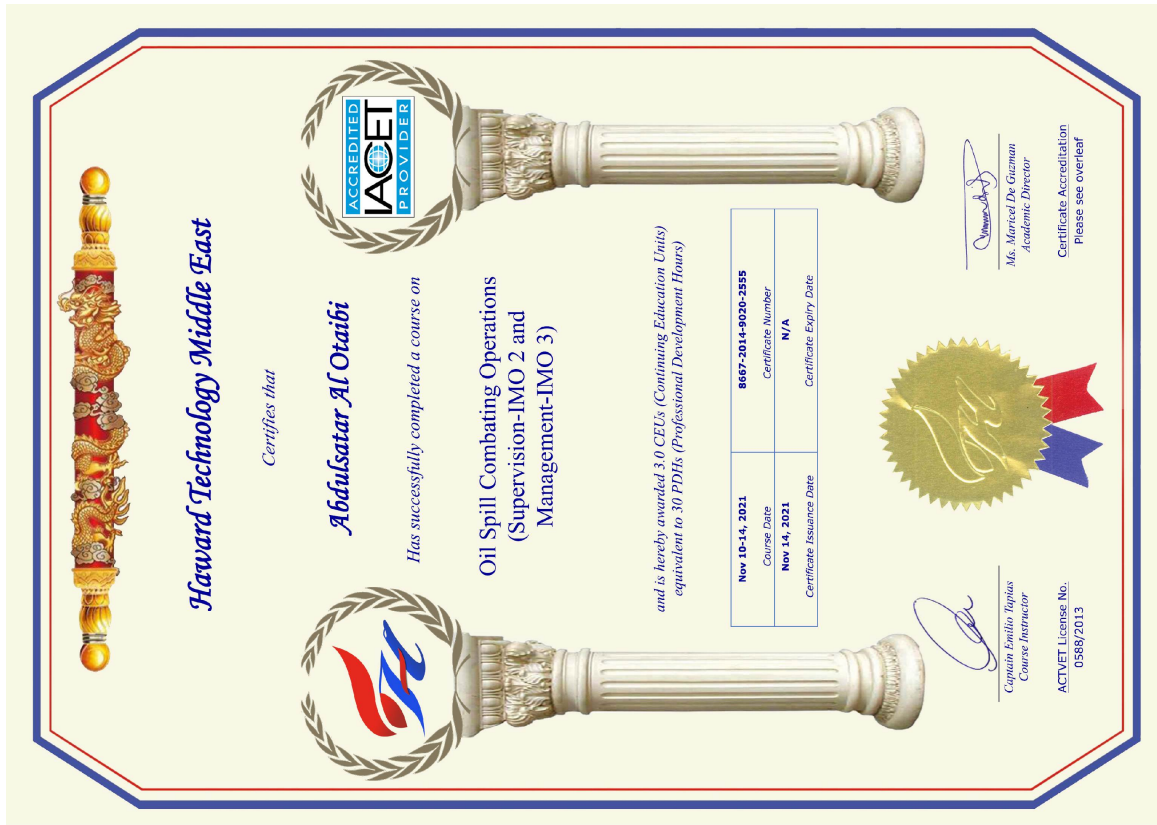
Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

**Course 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.

**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 \* CEUs \* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \*



**Haward Technology Middle East**

Continuing Professional Development (HTME-CPD)

CEUs

### CEU Official Transcript of Records

**TOR Issuance Date:** 14-Nov-21

**HTME No.** 3558-6717-5364-9527

**Participant Name:** Abdulsatar Al Otaibi

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE0799	Oil Spill Combating Operations (Supervision-IMO 2 and Management-IMO 3)	10 Nov-14 Nov, 2021	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), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2013 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

\* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \*


**Certificate Accreditations**

Certificates are accredited by the following international accreditation organizations: -

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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.

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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.

### 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 Abdel Monem Hosny, PhD, MSc, MFG, PGDip, BSc**, is a **Senior Health, Safety & Environmental Expert** with over **45 years** of **marine and industrial** experience. His expertise covers **Oil Spill Combating Operations, Oil Spill Management & Response, Oil Spill Prevention & Control, Crisis Management During Oil Spill, Advanced CSR & Sustainability Principles, Corporate Social Responsibility (CSR), Sustainability & Environmental Awareness, Environmental Management, HSE Management, Risk Assessment** in Production Facilities, **HSSE Principles & Practices, HSE Quantitative Risk Assessment, Chemical Spills, Safety Precaution & Response Action Plan, Incident Command System (ICS), Incident Report & Investigation, Marine Hazards Prevention & Control, Distress & Salvage, Shipboard Systems, Ship Damage Control & Salvage, Safety & Emergency Management, Shipboard Operations, Emergency Preparedness, Emergency Evacuation, Mooring, Hazardous Area Classification, Marine Services and Control, Navigational Safety, Maritime Security, Environmental Management & Technology (ISO14001), Hazardous Waste Management & Pollution Prevention, LPG, Filling Station Work Place Safety, Accident Investigation and Reporting, and Emergency Response Planning**. Currently, he is the **Environmental Manager & Consultant of Petrojet Company** that provides integrated services to **Oil, Gas and Petrochemical** industries and undertakes complex projects internationally.

Previously, Captain Hosny was the **General Director of Environmental Development Commission** with the Egyptian Environmental Affairs Agency (**EEAA**). Further, he oversees the **environmental planning** and the identification of environmental conditions for ideal land use for **developing projects** in **urban, industrial and tourist areas**, supervises the planning, organizing and coordinating the creation of pilot projects for the **conservation & protection** of the **environment**, offers technical support for urban, industrial and tourist projects in the environmental and development field. Moreover, he was the **Senior Specialist & On-scene Commander** for the **Integrated Coastal Zone Management Department** with the **EEAA**. Herein, he was responsible for the **design, supervision and implementation of National Oil Spill Contingency Plan** and the **Monitoring & Pollution Sources Inspection Program** for the whole country. He also served as a **focal point for competent authorities and sectors** which deal with **marine pollution** and with the **Regional Organization** for the **Conservation of the Environment of the Red Sea and Gulf of Adan (PERSGA)** and further represented the agency in **international meetings and conferences**.

Earlier in his career life, Captain Hosny worked with **Damietta Port Authority** and the **Port Control Tower** as the **Maritime Services General Manager, Captain, Container Ships & Handling Cargo Manager, Port Areas Manager, Lieutenant Commander, Operating Researcher & Computer Analyst, Navy Officer and Ensign** wherein he managed the control for **all marine units**, the preparation, planning and control of **all marine service activities**, the prevention and control of **marine pollution accidents**, the implementation of channel sedimentation cleanup work, the scheduling of operational work on **ships** and the manoeuvring and in-out channel scheduling of **pilot boats and ships**.

Captain Hosny has a **PhD in Environmental Sciences**, a **Master's degree in Environmental Management** and in **Foreign Going**, a **Post-Graduate Diploma in Operation Researches** and a **Bachelor's degree in Naval Military Science** as well as in **Maritime Studies**. Further, he is a **Certified Instructor/Trainer, a Certified Trainer, Assessor & Internal Verifier** by the **Institute of Leadership of Management (ILM)**, a **Certified CQ1 & IRCA Approved ISO 45001:2018 Auditor, a Certified ISO 14001 Lead Auditor** and a recognized member of the **Operation Researches Society, Maritime Transport Sector in Pollution & Prevention of Pollution from Ships** in international ports and **Chartered Institute of Logistics and Transport (CILT)**. He 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	<i>Registration &amp; Coffee</i>
0800 – 0815	<i>Welcome &amp; Introduction</i>
0815 – 0830	<b>PRE-TEST</b>
0830 – 0915	<i>Overview of Spill Response</i>
0915 – 0930	<i>Causes, Fate &amp; Effects of Spilled Oil</i>
0930 – 0945	<i>Break</i>
0945 – 1030	<i>Contingency Planning, Response Management &amp; Organization</i>
1030 – 1145	<i>Regulatory &amp; Legal Aspects/Requirements</i>
1145 – 1230	<i>Marine Oil Spill Response Strategies</i>
1230 – 1245	<i>Break</i>
1245 – 1315	<i>International Co-operation &amp; the Legal Framework</i>
1315 – 1420	<i>Liability &amp; Compensation</i>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day One</i>

**Day 2**

0730 – 0815	<i>Spill Management: Roles &amp; Responsibilities</i>
0815 – 0930	<i>Sensitivity Mapping</i>
0930 – 0945	<i>Break</i>
0945 – 1045	<i>Behavior &amp; Fate of an Oil Spill</i>
1045 – 1230	<i>Environmental &amp; Economic Impact of Oil Spills</i>
1230 – 1245	<i>Break</i>
1245 – 1330	<i>Assessment &amp; Quantifications</i>
1330 – 1420	<i>Medical Aspects &amp; Hazards Identification</i>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Two</i>

**Day 3**

0730 – 0835	<i>Spill Response Objectives &amp; Policy Issues</i>
0835 – 0930	<i>Operations Planning</i>
0930 – 0945	<i>Break</i>
0945 – 1020	<i>Oil Spill Response Options - Optional</i>
1020 – 1230	<i>Containment, Protection &amp; Recovery of Oil</i>
1230 – 1245	<i>Break</i>
1245 – 1315	<i>Dispersants</i>
1315 – 1420	<i>In-Situ Burning - Optional</i>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Three</i>



**Day 4**

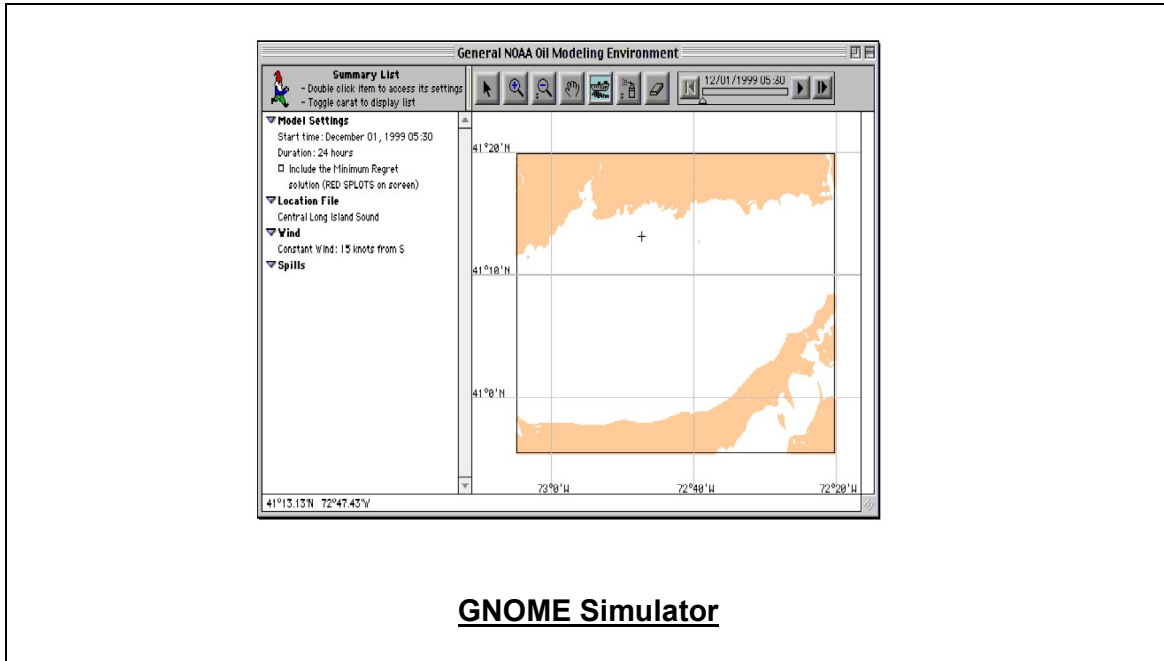
0730 – 0800	<i>Shoreline Clean-Up</i>
0830 – 0930	<i>Site Safety</i>
0930 – 0945	<i>Break</i>
0945 – 1050	<i>Waste Management</i>
1050 – 1230	<i>Trajectory Modelling</i>
1230 – 1245	<i>Break</i>
1245 – 1330	<i>National/International Cooperation &amp; Volunteers</i>
1330 – 1420	<i>Incident Command, Control &amp; Management</i>
1420 – 1430	<i>Recap</i>
1430	<i>Lunch &amp; End of Day Four</i>

**Day 5**

0730 – 0815	<i>Claims Handling &amp; Legal Aspects</i>
0815 – 0930	<i>Media &amp; Press Management &amp; Info Sharing to Community</i>
0930 – 0945	<i>Break</i>
0945 – 1045	<i>Information Gathering &amp; Record Keeping</i>
1045 – 1230	<i>Liability &amp; Compensation</i>
1230 – 1245	<i>Break</i>
1245 – 1315	<i>Termination of Response</i>
1315 – 1345	<i>Post-Incident Debriefing</i>
1345 – 1400	<i>Course Conclusion</i>
1400 – 1415	<i>POST-TEST</i>
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch &amp; End of Course</i>

**Simulator (Hands-on Practical Sessions)**

Practical session will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using the simulator “GNOME Simulator”.



**Course Coordinator**

Mari Nakintu, Tel: +971 2 30 91 714, Email: [mari1@haward.org](mailto:mari1@haward.org)