



COURSE OVERVIEW HE1264

IMO Hazardous & Noxious Substance (HNS) Operations Level

Course Title

IMO Hazardous & Noxious Substance (HNS) Operations Level

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

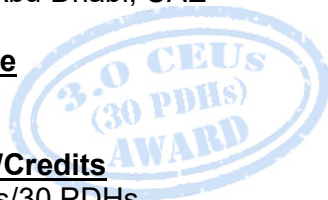


Course Reference

HE1264

Course Duration/Credits

Five day/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 IMO HNS operations level. It covers the essential knowledge and skills to handle, respond to, and mitigate incidents involving hazardous and noxious substances in maritime and offshore environments. The course covers the International Maritime Organization (IMO) HNS Convention, classification of hazardous substances, risk assessment, emergency response protocols, and environmental impact mitigation.



During this interactive course, participants will learn the HNS response and legislation covering international legislation, codes of practice, compensation and liability regime; the chemical substances, HNS transportation and key components of an emergency response system; the response organization and response methods for vessels from the HNS release; the health and safety, decontamination, disposal and post – operational activity; and the media awareness and contingency plan development.





Course Objectives

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

- Apply and gain a good working knowledge on IMO HNS operations level
- Discuss HNS response and the legislation covering the international legislation, codes of practice, compensation and liability regime
- Identify the chemical substances, HNS transportation and the key components of an emergency response system
- Recognize response organization and differentiate the response methods for vessels from the HNS release
- Recognize health and safety, as well as demonstrate decontamination, disposal and post – operational activity
- Determine media awareness and develop a contingency plan

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 an overview of all significant aspects and considerations of IMO HNS operations level for HNS terminal first responders and supervisors, on-scene commanders and for those who have responsibilities for marine, port and handling facility operations that may potentially lead to a release of HNS in the marine environment

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\$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate(s)


Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours

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.

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. Mohamed Ghanem, MSc, BSc, is a Senior HSE & Master Marine Engineer with extensive experience in **Health & Safety and Marine Engineering** within **Oil & Gas, Refinery and Marine** industry. His expertise widely covers in the areas of **Safe Isolation of Plant & Equipment, HAZOP & HAZID, HAZMAT & HAZCOM** Storage & Disposal, As Low as Reasonably Practicable (**ALARP**), Process Hazard Analysis (**PHA**), Process Safety Management (**PSM**), **Hazardous Materials & Chemicals** Handling, **Pollution Control, Environment, Health & Safety** Management, **Process Risk** Analysis, Effective Tool Box Talks, Construction Sites Safety, **HSSE Management** System, **HSSE Audit & Inspection, HSEQ Procedures, Authorized Gas** Testing, **Confined Space Entry & Rescue, Risk** Management, **Quantitative & Qualitative Risk** Assessment, **Working at Height, Firefighting** Techniques, **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 & Discharging, 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, Mr. 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, HSE Engineer Site Engineer, Marine Surveyor, Ship Repair Engineer, Vessel Repairing Engineer, Metal Cutting & Welding Planner, HSE Specialist, HSE Safety Officer, 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.

Mr. Mohamed has **Master's** and **Bachelor'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 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 – 0930	Introduction to HNS Response
0930 – 0945	<i>Break</i>
0945 – 1030	Legislation
1030 – 1230	Chemical Substances
1230 – 1245	<i>Break</i>
1245 – 1420	Chemical Substances (cont'd)
1420 – 1430	Recap
1430	<i>Lunch & End of Day One</i>

Day 2

0730 – 0930	HNS Transportation
0930 – 0945	<i>Break</i>
0945 – 1100	Key Components of an Emergency Response System
1100 – 1230	Response Organization
1230 – 1245	<i>Break</i>
1245 – 1420	Response Organization (cont'd)
1420 – 1430	Recap
1430	<i>Lunch & End of Day Two</i>

Day 3

0730 – 0930	Response Methods - Vessels
0930 – 0945	<i>Break</i>
0945 – 1100	Response Methods - HNS Releases
1100 – 1230	Health & Safety
1230 – 1245	<i>Break</i>
1245 – 1420	Health & Safety (cont'd)
1420 – 1430	Recap
1430	<i>Lunch & End of Day Three</i>

Day 4

0730 – 0930	Decontamination
0930 – 0945	<i>Break</i>
0945 – 1100	Disposal
1100 – 1230	Post - Operational Activity
1230 – 1245	<i>Break</i>
1245 – 1420	Post - Operational Activity (cont'd)
1420 – 1430	Recap
1430	<i>Lunch & End of Day Four</i>



Day 5

0730 – 0930	<i>Media Awareness</i>
0930 – 0945	<i>Break</i>
0945 – 1100	<i>Contingency Planning</i>
1100 – 1230	<i>Tabletop Exercises</i>
1230 – 1245	<i>Break</i>
1245 – 1345	<i>Tabletop Exercises (cont'd)</i>
1345 – 1400	<i>Course Conclusion</i>
1400 – 1415	POST-TEST
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch & End of Course</i>

Practical Sessions

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



Course Coordinator

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