

COURSE OVERVIEW OE0111

Marine Spatial Planning & Environmental Impact Assessment

Course Title

Marine Spatial Planning & Environmental Impact Assessment

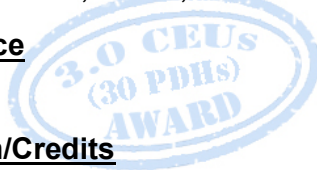
Course Date/Venue

Session 1: April 14-18, 2025/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
 Session 2: July 27-31, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE



Course Reference

OE0111



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.



Risk assessment is typically applied as an aid to the decision-making process. As options are evaluated, it is critical to analyze the level of risk introduced with each option. The analysis can address financial risks, health risks, safety risks, environmental risks and other types of business risks. An appropriate analysis of these risks will provide information which is critical to good decision making, and will often clarify the decision to be made. The information generated through risk assessment can often be communicated to the organization to help impacted parties understand the factors which influenced the decision.



As corporations have become more familiar with risk assessment techniques, these techniques are applied more frequently to improve their decision-making processes, even when there is no regulatory requirement to do so. As access to data and analytical techniques continues to improve, risk assessment will continue to become easier to perform and more applications, both mandatory and voluntary, can be expected.

This course is intended to provide an overview of the risk assessment field for managers and technical professionals in the Maritime and Offshore Oil and Gas industries. The risks addressed are primarily those affecting the safety of a vessel, facility or operation, but the methods discussed can also be applied to other types of risk. The concept of risk is defined, and the methods available to assess the risks associated with an operation are described. Guidelines for setting up and conducting successful risk studies are provided. Regulatory requirements that have prompted the development of modern risk assessment practices are described, and future regulatory trends are discussed. And finally, examples of risk assessment applications are discussed

Course Objectives

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

- Apply and gain in-depth knowledge on risk assessment implementation for the marine and offshore oil and gas industries
- Define risk assessment and its basics
- Employ risk assessment methods covering the risk assessment process, hazard identification methods, frequency assessment methods, consequence assessment methods and risk evaluation and presentation
- Conduct risk assessment that includes setting up of a risk analysis, selecting the right approach, conducting assessment and follow-up
- Identify risk limitations and potential problems
- Recognize marine systems as well as offshore oil and gas systems covering its hazards and safety regulations
- Explain the benefits of risk assessment applications through identifying hazards and protecting against them, improving operations, efficient use of resources and developing or complying with rules and regulations
- Implement proper risk based inspection that includes qualitative screening and quantitative model for equipment with measurable damage rate

Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Howard 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 complete and up-to-date overview of risk assessment implementation for the marine and offshore oil & gas industries for all marine and HSE professionals such as captains, masters, mates, engineers, supervisors, foremen and officers. Further, the course is beneficial to logistic and marine terminal staff.

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. Dino Glavina, MSc, is a Senior Master Marine Engineer with over 20 years of extensive within the Oil & Gas and Marine industries. His expertise widely covers in the areas of Offshore Marine Operations, Offshore Safety, Marine Environment Protection, Offshore Maintenance Management, Navigation, Ship Operation & Control, Cargo Handling Storage, Deck & Equipment Maintenance, Global Maritime Distress and Safety System (GMDSS), Electronic Chart Display and Information System (ECDIS), Vessel Audit & Inspection, Ballast Control Operation, Barge Supervision, Class & Statutory Surveys, Dry Docks Overhauling & Major Repairs Planning, Marine Units Inspection & Assessment, Mooring & Towing, Radio Operations, Automatic Radar Plotting Aid Management, Tanker Familiarization, Security Awareness, Seafarer Designated Security, Dynamic Positioning, Survival Craft & Rescue Boat Operations, Further Offshore Emergency Training (FOET), Helicopter Underwater Escape Training (HUET), Bridge Team Management and Bridge Resource Management.

Mr. Glavina has gained his practical and field experience through his various significant positions and dedication as the **Marine & HSE Superintendent, Platform Manager, Barge Master, Captain, Towing Master, Unlimited Master License, Mooring Master, Offshore Marine Instructor, Officer of the Watch (OOW) and Senior Instructor/Trainer** from various companies such as the RST Global Solutions, African Offshore Services Ltd. and Oil Tanker & LNG Vessels.

Mr. Glavina has a **Master’s degree in Maritime Engineering (Nautical Science & Maritime Safety)** from the **University of Rijeka, Croatia**. Further, he is a **Certified Instructor/Trainer** and holds a **Master of a Ship of 3000 GT Certificate** from the Standards of Training, Certification, and Watchkeeping (STCW) for **Seafarers**. He has delivered various trainings, seminars, conferences, workshops and courses globally.

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\$ 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.

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	Introduction Risk Assessment Definitions • The Basics of Risk Assessment • Risk Model Outputs • Risk Based Insights • Risk-Return Tradeoffs
0930 – 0945	Break
0945 – 1100	Risk Assessment Methods The Risk Assessment Process • Hazard Identification Methods
1100 – 1230	Risk Assessment Methods (cont'd) Frequency Assessment Methods • Consequence Assessment Methods
1230 – 1245	Break
1245 – 1420	Risk Assessment Methods (cont'd) Risk Evaluation & Presentation
1420 – 1430	Recap
1430	Lunch & End of Day One

Day 2

0730 – 0900	Conducting a Risk Assessment Set Up a Risk Analysis
0900 – 0930	Break
0930 – 1100	Conducting a Risk Assessment (cont'd) Selecting the Right Approach
1100 – 1215	Conducting a Risk Assessment (cont'd) Conducting the Assessment and Follow-up
1215 – 1230	Break
1230 – 1420	Conducting a Risk Assessment (cont'd) Risk Assessment Limitations and Potential Problems
1420 – 1430	Recap
1430	Lunch & End of Day Two

Day 3

0730 – 0900	Marine Systems: Hazards & Safety Regulations Major Hazards Related to Shipping
0900 – 0930	Break
0930 – 1100	Marine Systems: Hazards & Safety Regulations (cont'd) Potential Consequences of Shipping Accidents
1100 – 1215	Marine Systems: Hazards & Safety Regulations (cont'd) Regulations Governing Safety and Shipping



1215 – 1230	Break
1230 – 1420	Marine Systems: Hazards & Safety Regulations (cont'd) Conclusions and Future Trends
1420 – 1430	Recap
1430	Lunch & End of Day Three

Day 4

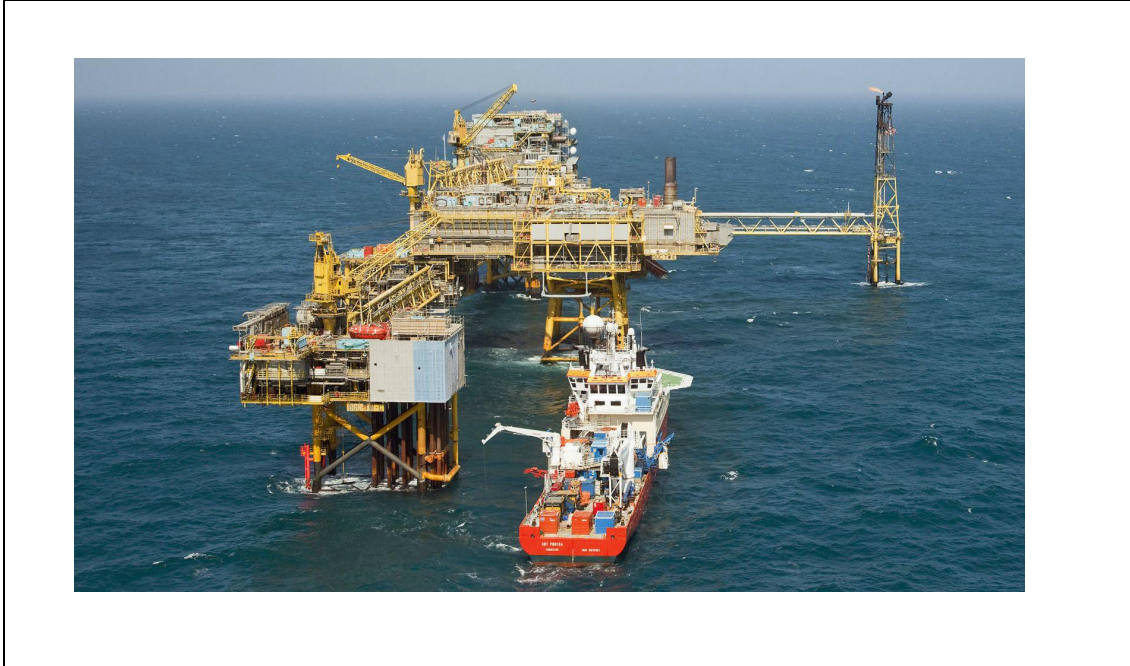
0730 – 0830	Offshore Oil & Gas Systems: Hazards & Safety Regulations Major Hazards of Offshore Oil and Gas Production
0830 – 0930	Offshore Oil & Gas Systems: Hazards & Safety Regulations (cont'd) Historical Progression of Regulations Governing Offshore Oil and Gas Development
0930 – 1100	Break
1100 – 1230	Offshore Oil & Gas Systems: Hazards & Safety Regulations (cont'd) Key Nations' Offshore Oil and Gas Regulatory Development
1230 – 1330	Break
1330 – 1420	Offshore Oil & Gas Systems: Hazards & Safety Regulations (cont'd) Conclusions and Future Trends
1420 – 1430	Recap
1430	Lunch & End of Day Four

Day 5

0730 – 0930	Benefits of Risk Assessment Applications Identifying Hazards and Protecting Against Them • Improving Operations
0930 – 0945	Break
0945 – 1200	Benefits of Risk Assessment Applications (cont'd) Efficient Use of Resources (ALARP/Cost Benefit Analysis) • Developing or Complying with Rules and Regulations
1200 – 1215	Break
1215 – 1315	Risk Based Inspection Qualitative Screening
1315 – 1420	Risk Based Inspection (cont'd) A Quantitative Model for Equipment with Measurable Damage Rate
1315 – 1345	Conclusion
1345 – 1400	Course Conclusion
1400 – 1415	POST-TEST
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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