

**COURSE OVERVIEW OE0062**  
**Bunker Fuel Supply and Economics**

**Course Title**

Bunker Fuel Supply and Economics

**Course Date/Venue**

Session 1: June 22-26, 2025/Boardroom 1,  
 Elite Byblos Hotel Al Barsha,  
 Sheikh Zayed Road, Dubai, UAE  
 Session 2: November 17-21, 2025/Fujairah  
 Meeting Room, Grand Millennium  
 Al Wahda Hotel, Abu Dhabi, UAE

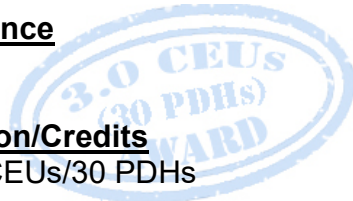


**Course Reference**

OE0062

**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.***

Bunker fuel quality analysis helps prevent costly ship engine failure, downtime, and repairs. Analysing marine bunker fuel also helps ship owners meet marine fuel environmental regulatory compliance.



The course will also discuss the Marpol Annex VI and other industry specifications. Bunker fuel testing and inspection capabilities located in major shipping centers around the world, including Singapore, Rotterdam, Shanghai, Panama, UK, UAE and the USA.



This course is designed to provide participants with a detailed and an up-to-date overview of fuel oil bunker analysis service (FOBAS). It covers the asphaltenes, ash, carbon residue and density; the flashpoint, hydrogen sulfide, microbes contamination and pour point; the stability, sulfur content, total sedimental potential (TSP), viscosity and water content; the bunker fuel chemical contamination screening, bunker fuel analysis and bunker fuel testing; the ISO 8217 bunker fuel testing and ISO 8217 fuel standard; the bunker quantity survey, marine fuel testing; and the bunker fuel adulterant testing in accordance with ISO 8217.

### **Course Objectives**

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

- Apply and gain an in-depth knowledge on fuel oil bunker analysis service (FOBAS)
- Identify asphaltenes, ash, carbon residue and density
- Recognize flashpoint, hydrogen sulfide, microbes contamination and pour point
- Review stability, sulfur content, total sedimental potential (TSP), viscosity and water content
- Carryout bunker fuel chemical contamination screening, bunker fuel analysis and bunker fuel testing
- Apply ISO 8217 bunker fuel testing and ISO 8217 fuel standard
- Carryout bunker quantity survey, marine fuel testing and bunker fuel adulterant testing in accordance with ISO 8217

### **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 fuel oil bunker analysis service (FOBAS) for control audits, rules, marine and terminal operations managers, superintendents, supervisors, engineers and other technical staff.

### **Accommodation**

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

### **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 Certificate(s)**

Internationally recognized certificates will be issued to all participants of the course 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.

### 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 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	<b>PRE-TEST</b>
0830 – 0930	<b>Introduction to Fuel Oil Bunker Analysis Service (FOBAS)</b>
0930 - 0945	Break
0945 – 1045	<b>Asphaltenes, Ash</b>
1045 – 1230	<b>Carbon Residue</b>
1230 – 1245	Break
1245 – 1420	<b>Density</b>
1420 - 1430	<b>Recap</b>
1430	End of Day One

**Day 2**

0730 – 0930	<b>Flashpoint</b>
0930 – 0945	Break
0945 – 1045	<b>Hydrogen Sulfide</b>
1045 – 1130	<b>Microbes Contamination</b>
1130 - 1230	<b>Pour Point</b>
1230 – 1245	Break
1245 – 1420	<b>Stability</b>
1420 - 1430	<b>Recap</b>
1430	End of Day Two

**Day 3**

0730 – 0930	<b>Sulfur Content</b>
0930 – 0945	Break
0945 – 1100	<b>Total Sedimental Potential (TSP)</b>
1100 – 1230	<b>Viscosity</b>
1230 – 1245	Break
1245 – 1420	<b>Water Content</b>
1420 - 1430	<b>Recap</b>
1430	End of Day Three

**Day 4**

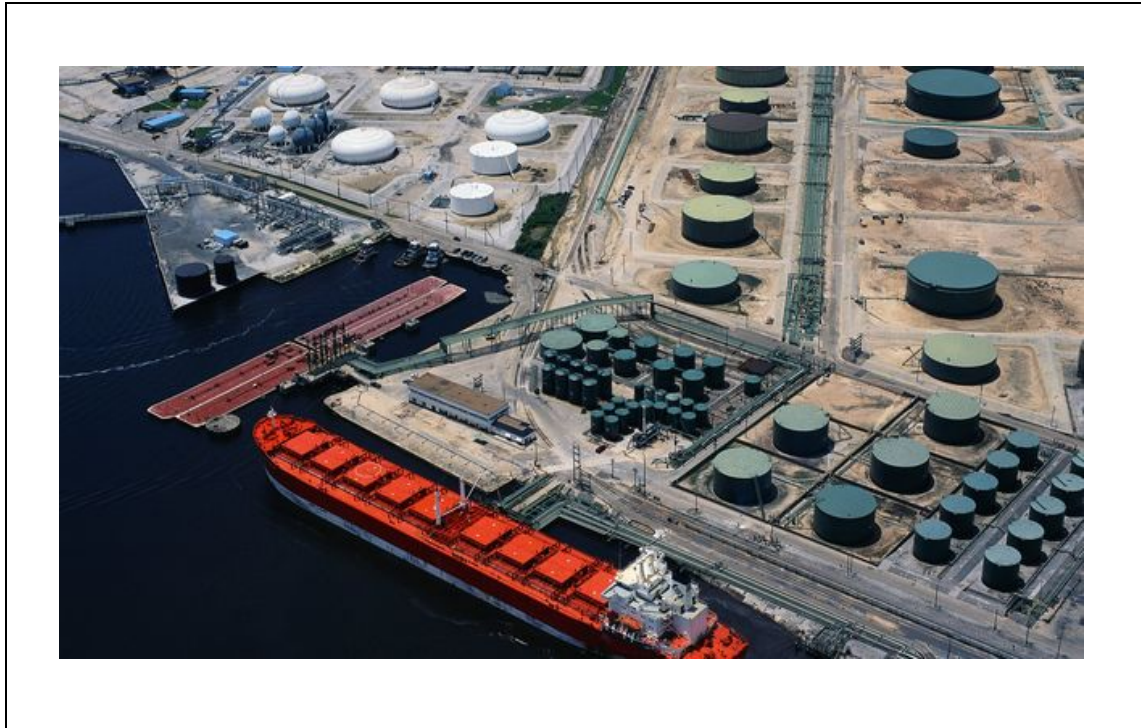
0730 – 0930	<b>Bunker Fuel Chemical Contamination Screening</b>
0930 – 0945	Break
0945 – 1100	<b>Bunker Fuel Analysis</b>
1100 – 1230	<b>Bunker Fuel Testing</b>
1230 – 1245	Break
1245 – 1420	<b>ISO 8217 Bunker Fuel Testing</b>
1420 - 1430	<b>Recap</b>
1430	End of Day Four

**Day 5**

0730 – 0930	<b>ISO 8217 Fuel Standard</b>
0930 – 0945	<i>Break</i>
0945 – 1045	<b>Bunker Quantity Survey</b>
1045 -1230	<b>Marine Fuel Testing</b>
1230 – 1245	<i>Break</i>
1245 – 1345	<b>Bunker Fuel Adulterant Testing ISO 8217</b>
1345 – 1400	<b>Course Conclusion</b>
1400 - 1415	<b>POST-TEST</b>
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>End of Course</i>

**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](mailto:mari1@haward.org)