

**COURSE OVERVIEW OE0412(KO2)**

**Mooring & Unmooring Operations for Tanker: SBM & FPSO**

**Course Title**

Mooring & Unmooring Operations for Tanker: SBM & FPSO

**Course Date/Venue**

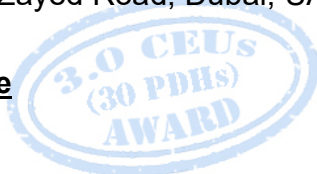
Session 1: January 20-24, 2025/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Session 2: August 17-21, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE



**Course Reference**

OE0412(KO2)



**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 Offshore Engineering, Single Buoy Mooring (SBM) System, Rigging Works & Lifting Operations. It covers the the aspects of offshore engineering; the single buoy mooring system design, features, configuration and options; and the proper procedure of rigging safety and rigging equipment.



During this interactive course, participants will learn the design criteria in accordance with Oil Companies International Marine Forum (OCIMF) guidelines; the proper techniques of installation and removal of SBMs system; the communication and control; the classification society for approval of requirements and the SBMs maintenance philosophy.

### Course Objectives

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

- Apply and gain an in-depth knowledge on single buoy mooring system (SBM)
- Characterize the aspects of offshore engineering
- Discuss the single buoy mooring system design, features, configuration and options
- Employ the proper procedure of rigging safety and determine rigging equipment
- Classify and explain the design criteria in accordance with Oil Companies International Marine Forum (OCIMF) guidelines
- Implement the proper techniques of installation and removal of SBMs system including the communication and control
- Distinguish the classification society for approval of requirements and explain the SBMs maintenance philosophy

### 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 those involved single point mooring operation, maintenance, inspection & integrity evaluation. This course is also suitable for operations managers, inspection managers, inspection engineers, supervisors, hydrographic surveyors, chief surveyors, data analysts, CP engineers, instrument engineers, diving supervisors and for those who involved in ROV operations. Further, the course is suitable for facility engineering and marine operations staff.

### 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)

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.

### 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.

### Course Instructor

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 Sergey Kole**, is an **International Expert** in **Port Operations & Logistics Management** with over **25 years** of **onshore** and **offshore** experience within the **Oil & Gas, Petroleum** and **Refinery** industry. His expertise widely covers in the areas of **Anatomy of Shipping, Logistics & Transportation Planning** Methods, **Forecasting Logistics** Demands, Visual Network Model, **Logistics Operations, Tanker Vetting & Inspection, Marine Vetting & Audit Criteria Manual for Tank Ships, Marine & Ship Vetting, Vetting Process & Marine Safety Criteria, Tanker Vetting for Terminals, Ship Vetting, Marine Terminal Operations & Management, Marine Hazards** Prevention & Control, **Marine Communication** Systems, **Marine Safety, Ship** Management, **Oil Terminal** Planning, **Vessels** Operations, **Terminal** Management & Support Operations, **Oil Spill Contingency & Emergency Response Plan, Qualitative & Quantitative Risk** Assessments, **Terminal** Planning, **Oil Tanker Storage** Planning, **Cargo Transfer** Handling, Loading & Discharging, **Ballasting, Tank** Cleaning, **Crude Oil Washing, Ship** Handling, **Radar** Navigation, **Navigational** Aids, **Meteorological** Data Review, **Sea & Weather** Condition Monitoring, **ERT Vessel** Coordination and **Transport & Distribution Carrier**. Further, he is well-versed in **Sea-going** Personnel Human Resource Management, **Survival Craft & Rescue Boats**, Dynamic Positioning, Anti-Piracy Preparedness & Response, **Shipping** Maintenance System, **Oil & Chemical Tanker, Liquefied Gas Tanker, Inert Gas** System, **Crude Oil** Tanker & Gas Carrier, Offshore Logistics & Supply Management, **Marine Fleet** Management & Operations, **International Maritime Conventions & Codes, Marine Radar, Port Traffic Control** Systems & Instrumentation, **H<sup>2</sup>S** Hazard Awareness, **Firefighting**, Medical Care Onboard, Carriage of Dangerous & Hazardous Substances and **Ballast Water & Sediment** Management.

During his career life, Captain Sergey has gained his technical and marine expertise through various challenging key positions such as being the **Captain, Operations Director, Project Manager, Port Supervisor, Master** of General Cargo Ship, **Master** of Container Ship, **Chief Officer, Marine Operations Specialist, Marine Coordinator, On-call Duty Officer, Crewing Consultant, 2<sup>nd</sup> Officer, Ship Chandler** and **Senior Instructor/Trainer** for several international companies such as **ZADCO, AMEC Foster Wheeler, Fircroft Engineering Services, Ltd., Rusalina Yacht** Company, Van Oord Offshore, Exxon Neftegaz Ltd (ENL), Jr Shipping, Carisbrooke Shipping, Unicorn Petrol ve Kimya, Q Shipping BV, m/v Tradeport, Miedema Shipping CV, Rah Management BV, Petrobulk Maritime Inc., Empross Lines Ship Management, Melcard Ltd., Aquarian Shell Marine Inc., Mercy Baaba and Square Ltd.

Captain Sergey has a **Bachelor's** degree in **Navigation** in **Nautical Studies** from the **Kiev State Academy of Water Transport, Ukraine** and holds a **Master Mariner** (Unlimited) Certificates of Equivalent Competency from the MCA, UK and NSI, Netherlands. Further, he is a **Certified Instructor/Trainer**, a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management (ILM)** and has delivered various trainings, courses, seminars, workshops and conferences internationally.

### **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 – 0930	<b><i>Introduction &amp; Aspects of Offshore Engineering</i></b>
0930 – 0945	<i>Break</i>
0945 – 1100	<b><i>Single Buoy Mooring (SBMs) System Design</i></b>
1100 – 1230	<b><i>Single Buoy Mooring (SBMs) System (cont'd) Features</i></b>
1230 – 1245	<i>Break</i>
1245 – 1420	<b><i>Single Buoy Mooring (SBMs) System (cont'd) Configuration &amp; Options</i></b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day One</i>

#### **Day 2**

0730 – 0900	<b><i>Rigging Safety &amp; Equipment</i></b>
0900 – 0915	<i>Break</i>
0915 – 1030	<b><i>Rigging Safety &amp; Equipment (cont'd)</i></b>
1030 – 1200	<b><i>Rigging Safety &amp; Equipment (cont'd)</i></b>
1200 – 1215	<i>Break</i>
1215 – 1420	<b><i>Rigging Safety &amp; Equipment (cont'd)</i></b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Two</i>

#### **Day 3**

0730 – 0900	<b><i>Designing Criteria in accordance with OCIMF Guidelines</i></b>
0900 – 0915	<i>Break</i>
0915 – 1030	<b><i>Designing Criteria in accordance with OCIMF Guidelines (cont'd)</i></b>
1030 – 1200	<b><i>Single Buoy Mooring (SBMs) System Installation</i></b>
1200 – 1215	<i>Break</i>
1215 – 1420	<b><i>Single Buoy Mooring (SBMs) System (cont'd) Removal</i></b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Three</i>

#### **Day 4**

0730 – 0900	<b><i>SBMs Communication &amp; Control</i></b>
0900 – 0915	<i>Break</i>
0915 – 1030	<b><i>SBMs Communication &amp; Control (cont'd)</i></b>
1030 – 1200	<b><i>Classification Society Approval Requirements</i></b>
1200 – 1215	<i>Break</i>
1215 – 1420	<b><i>Classification Society Approval Requirements (cont'd)</i></b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Four</i>

**Day 5**

0730 – 0900	<i>SBMs Maintenance Philosophy</i>
0900 – 0915	<i>Break</i>
0915 – 1030	<i>SBMs Maintenance Philosophy (cont'd)</i>
1030 – 1200	<i>SBMs Maintenance Philosophy (cont'd)</i>
1200 – 1215	<i>Break</i>
1215 – 1345	<i>SBMs Maintenance Philosophy (cont'd)</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>

**Practical Sessions**

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



**Course Coordinator**

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