COURSE OVERVIEW OE0412(KO2)

Offshore Engineering, Single Buoy Mooring (SBM) System, Rigging Works & Lifting Operations

Course Title

Offshore Engineering, Single Buoy Mooring (SBM) System, Rigging Works & Lifting Operations

Course Date/Venue

Session 1: July 28-August 01, 2024/The Kooh Al Noor Meeting Room, The H Hotel, Sheikh Zayed Road, Dubai, UAE

Session 2: September 22-26, 2024/Hourous Meeting Room, Holiday Inn Suites Maadi, Cairo, Egypt

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, sample video clips of the instructor's actual lectures & practical sessions during the course 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:

- 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.

- 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.

Course Fee

Dubai	**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.
Cairo	**US$ 8,000** per Delegate + **VAT**. This rate includes Participants Pack (Folder, Manual, Hand-outs, etc.), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

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 Mohamed Ghanem, MSc, BSc, is a **Senior Master Marine Engineer** with extensive experience in **Marine Engineering** within **Oil & Gas, Refinery** and **Marine** industry. His expertise widely covers in the areas of **Offshore Marine** Operation Management, International **Maritime Conventions & Codes**, **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**, **Vessel Hull & Machinery Survey**, **Oil & Gas Fields Offshore Survey**, **Oil & Gas Terminals Loading & Dischargin**, **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, Captain 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**, **Site Engineer**, **Marine Surveyor**, **Ship Repair Engineer**, **Vessel Repairing Engineer**, **Metal Cutting & Welding Planner**, **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.

Captain Mohamed has **Master** and **Bachelor** degrees 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.

Accommodation

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

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 & Aspects of Offshore Engineering***
0930 – 0945	*Break*
0945 – 1100	***Single Buoy Mooring (SBMs) System*** *Design*
1100 – 1230	***Single Buoy Mooring (SBMs) System (cont'd)*** *Features*
1230 – 1245	*Break*
1245 – 1420	***Single Buoy Mooring (SBMs) System (cont'd)*** *Configuration & Options*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2

0730 – 0900	***Rigging Safety & Equipment***
0900 – 0915	*Break*
0915 – 1030	***Rigging Safety & Equipment (cont'd)***
1030 – 1200	***Rigging Safety & Equipment (cont'd)***
1200 – 1215	*Break*
1215 – 1420	***Rigging Safety & Equipment (cont'd)***
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3

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

Day 4

0730 – 0900	***SBMs Communication & Control***
0900 – 0915	*Break*
0915 – 1030	***SBMs Communication & Control (cont'd)***
1030 – 1200	***Classification Society Approval Requirements***
1200 – 1215	*Break*
1215 – 1420	***Classification Society Approval Requirements (cont'd)***
1420 – 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5

0730 – 0900	***SBMs Maintenance Philosophy***
0900 – 0915	*Break*
0915 – 1030	***SBMs Maintenance Philosophy (cont'd)***
1030 – 1200	***SBMs Maintenance Philosophy (cont'd)***
1200 – 1215	*Break*
1215 – 1345	***SBMs Maintenance Philosophy (cont'd)***
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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