COURSE OVERVIEW HE0639
Overhead Crane

Course Title
Overhead Crane

Course Date/Venue
August 25-29, 2025/Dubai Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Course Reference
HE0639

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Descriptions

This practical and highly-interactive course includes practical sessions and demonstration where participants carryout overhead crane operations. Theory learnt in the class will be applied using overhead crane.

The course is designed to provide a proper training and certification for those involved in the safety operation of overhead cranes. It covers the bridge cranes, monorail cranes or double girder cranes, jib hoists and boom type cranes. Participants will be given lectures and practical sessions and they will go through an inspection assignment for an overhead crane.

At the completion of the course, participants will be able to perform overhead crane inspection and operation; identify the various types of overhead cranes including their features and characteristics; recognize the possible problems to look for during inspections; operate overhead crane in a safely manner and apply the correct procedures during the operation; maintain crane; use proper devices and procedures when rigging loads; carryout rigging inspection; and identify the rigging precautions when rigging a load, the preferred sling angle when lifting and how to determine load center of gravity.

Course Objectives

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

- Get certified as a *"Certified Overhead Crane Inspector"*
- Apply and gain an in-depth knowledge on overhead cranes operation, inspection and maintenance
- Recognize different types and functions of overhead cranes
- Inspect the overhead cranes properly
- Operate and maintain overhead crane safely
- Use proper devices and procedure when rigging loads

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 overhead crane operation for those involved in the operation, inspection or maintenance of overhead cranes including engineers, inspectors and other technical and rigging staff.

Accommodation

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

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)

(1) Internationally recognized Competency Certificates and Plastic Wallet Card Certificates will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Successful candidate will be certified as a *"Certified Overhead Crane Inspector".* Certificates are valid for 5 years.

Recertification is FOC for a Lifetime.

Sample of Certificates

The following are samples of the certificates that will be awarded to course participants:-

(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

Haward Technology Middle East
Continuing Professional Development (HTME-CPD)

CEU Official Transcript of Records

TOR Issuance Date: 14-Nov-22
HTME No. 74851
Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE0639	Overhead Crane Certificate	November 10-14, 2022	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date 3.0

TRUE COPY
Jaryl Castillo
Academic Director

Haward Technology has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2013 Standard which is widely recognized as the standard of good practice internationally. As a result of their Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET 1-2013 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 Association 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 is accredited by

P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 3091 714 | E-mail: info@haward.org | Website: www.haward.org

Certificate Accreditations

Haward's certificates are accredited by the following international accreditation organizations: -

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). 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.

- 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. Gareth Porter is a **Senior HSE Consultant** with over **20** years of experience within the **Oil & Gas** industry. His expertise lies extensively in the areas of **Crane Lifting Operations**, **Forklift Operations**, **Heavy Lift**, Mobile Elevated Work Platform (**MEWP**), **Mobile & Gantry Crane**, **Banksman/Slinger**, **Scaffolding**, **Rigging** & **Slinging**, **Incidents** Investigations, **Fall Protection** & **Rescue**, **Overhead** & **Gantry Crane Safety**, **Lifting** & **Rigging Equipment**, **Machinery & Hydraulic Lifting Equipment**, **Crane** Inspection, **Risk** Management & Hazard Identification, **Working at Heights**, **Emergency First Aid**, H2S, Fire Warden & Safe Use Fire Extinguisher, Basic Electrical Safety, Defensive Driving + Heavy Vehicles, Forklift Operations, Lock Out Tag Out, Permit to Work, Authorized Gas Tester Level 1, Defensive Driver Training, **Vacuum Truck**, Skip Truck, **HAZMAT**, **HSE** Policy & Strategy, **HSE Management System**, **Risk** Assessment & Management, **Risk** Evaluation, **HSE Performance** Measurement & Monitoring Systems, **Working at Height**, **HSE Industrial Practices**, **Manual Handling**, **Rigging Safety Rules**, **Warehouse Incidents & Accidents Reporting**, **HSSE Report**, **HSSE Emergencies**, **HSSE Risks & Hazards**, **Hazards Types & Analysis**, **Hazard** & **Effect** Management Process, **Emergency Response**, **Accident/Incident Investigation** System and Report PSM, PPE Selection Criteria, **Risk Assessment**, Safety Induction, **Confined Space**, **HSSE Principles** & **Practices Advanced**, **Defensive Driving**, Safety Supervision, **Incident Command**, **Accident & Incident Investigation**, **Emergency Response Procedures**, Oil Spill Response and Fleet Management.

During his career life, Mr. Gareth has gained his practical and field experience through his various significant positions as the **Vehicle & Crane Instructor**, **Transport Manager**, **Service Bay Manager**, **Fleet Manager**, **Warehouse Supply Supervisor**, **Facilities Management & Maintenance Manager**, **Driving Instructor**, **Roustabout**, **Bulk Fuel Supply Specialist**, Driver and Store Man from various companies such as **West Qurna 2 Oil Field Iraq**, Striling/Restrata Group, EDT and British Army.

Mr. Gareth holds a **ROSPA Level 4 Award** in **Advanced Behavioural Driver**, a **ROSPA Level 2 Award** in **Advanced Driver Skills** and an **NVQ level 3 Qualification** in **Driving Goods Vehicles & Road Freight Logistics**. Further, he is a Mobile Elevating Work Platform Instructor Banksman Slinger (**NSL**), a Crane Appointed Person and has further delivered various trainings, seminars, courses, 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: ***Monday, 25th of August 2025***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Overhead Cranes*** *Bridge Cranes ● Monorail Cranes or Double Girder Cranes ● Jib Hoists ● Boom Type Cranes*
0930 – 0945	*Break*
0945 – 1100	***Overhead Crane Inspection*** *When to Perform an Inspection ● The Inspection Checklist*
1100 – 1215	***Overhead Crane Operation*** *Operation Considerations ● Rated Capacity ● Stopping with a Load ● Using the Control Pendant*
1215 – 1230	*Break*
1230 – 1420	***Rigging*** *Safely Rigging the Load ● Slings ● Additional Lifting Devices ● Plate Clamps ● Engineering Devices ● Determining Load Limit ● Determining the Load's Center of Gravity*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2: ***Tuesday, 26th of August 2025***

0730 – 0930	***Recognize Different Types of Overhead Cranes and How They Work*** *Identify Various Types of Overhead Cranes on their Features and Characteristics*
0930 – 0945	*Break*
0945 – 1100	***Recognize Different Types of Overhead Cranes and How They Work (cont'd)*** *Identify Various Types of Overhead Cranes on their Features and Characteristics (cont'd)*
1100 – 1215	***Recognize Different Types of Overhead Cranes and How They Work (cont'd)*** *Identify the Major Parts of an Overhead Crane*
1215 – 1230	*Break*
1230 – 1420	***Recognize Different Types of Overhead Cranes and How They Work (cont'd)*** *Different Types of Overhead Crane Move*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3: ***Wednesday, 27th of August 2025***

0730 – 0930	***Properly Inspect Overhead Cranes*** *Recall When Overhead Cranes Must be Inspected*
0930 – 0945	*Break*
0945 – 1100	***Properly Inspect Overhead Cranes (cont'd)*** *Identify the Parts of an Overhead Crane that Must be Inspected*

1100 – 1215	***Properly Inspect Overhead Cranes (cont'd)*** *Identify Possible Problems to Look for During Inspections*
1215 – 1230	*Break*
1230 – 1420	***Properly Inspect Overhead Cranes (cont'd)*** *Identify Procedures to Follow if Damage is Found During an Inspection*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4: Thursday, 28th of August 2025

0730 – 0930	***Safely Operate an Overhead Crane*** *Identify possible Hazards when Operating an Overhead Crane ● Recall where to Find the Rated Capacity of a Crane ● Recognize how to Measure Load Weight ● Recognize Ways to Ensure a Safe Load before Lifting*
0930 – 0945	*Break*
0945 – 1100	***Safely Operate an Overhead Crane (cont'd)*** *Never Leave a Suspended Load Unattended ● Identify Factors that Affect How Far a Crane Might Travel After Control Button Has Been Released ● Recognize How the Buttons Work on a Control Pendant ● Identify the Correct Procedures for Operating Overhead Cranes*
1100 – 1215	***Crane Maintenance***
1215 – 1230	*Break*
1230 – 1420	***Crane Maintenance (cont'd)***
1420 – 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5: Friday, 29th of August 2025

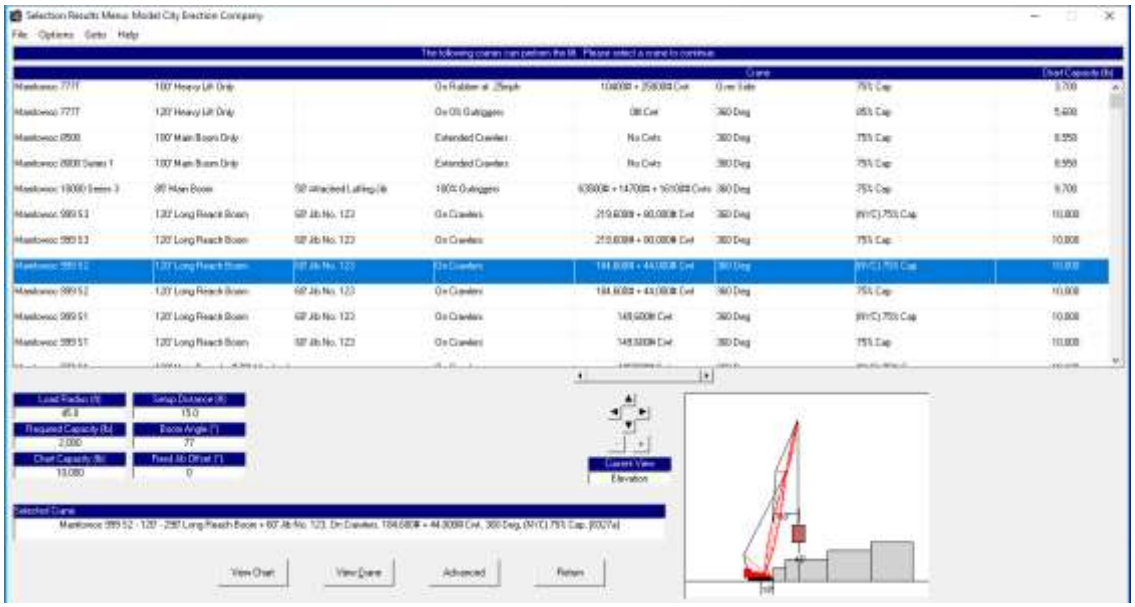
0730 – 0930	***Use Proper Devices and Procedures When Rigging Loads*** *Define Rigging ● Identify Common Types of Rigging*
0930 – 0945	*Break*
0945 – 1100	***Use Proper Devices and Procedures When Rigging Loads (cont'd)*** *Describe Rigging Inspection ● Identify Safety Precautions when Rigging a Load*
1100 – 1215	***Use Proper Devices and Procedures When Rigging Loads (cont'd)*** *Identify the Preferred Sling Angle when Lifting*
1215 – 1230	*Break*
1230 – 1300	***Use Proper Devices and Procedures When Rigging Loads (cont'd)*** *Identify How to Determine Load Center of Gravity*
1300 – 1315	***Course Conclusion***
1315 – 1415	***COMPETENCY EXAM***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions/Site Visit

Site visit will be organized during the course for delegates to practice the theory learnt:-

Simulators (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using one of our state-of-the-art simulators "Compu-Crane" Software.



Compu-Crane Simulator

Course Coordinator

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