



COURSE OVERVIEW HE0639
Crane Maintainers

Course Title

Crane Maintainers

Course Date/Venue

Session 1: May 04-08, 2025/Boardroom 1,
Elite Byblos Hotel Al Barsha,
Sheikh Zayed Road, Dubai, UAE
Session 2: October 06-10, 2025/Fujairah
Meeting Room, Grand Millennium
Al Wahda Hotel, Abu Dhabi, UAE

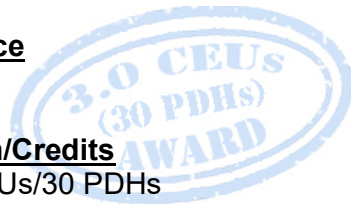


Course Reference

HE0639

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



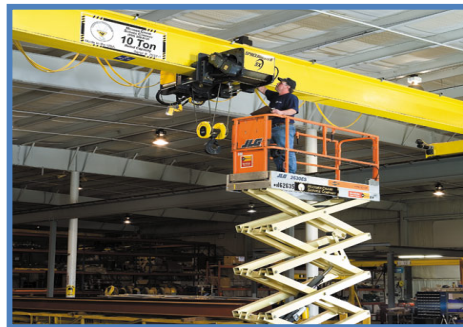
Course Descriptions



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.



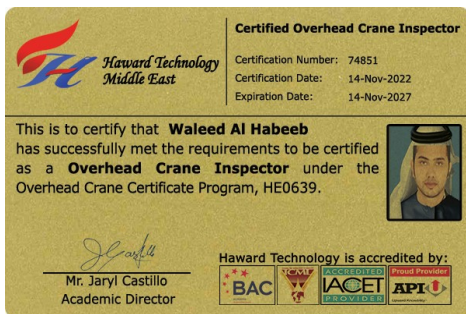
Course Certificate(s)

- (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 * CEUs * Haward Technology * CEUs * Haward Technology * CEUs * Haward Technology *



Haward Technology Middle East

Continuing Professional Development (HTME-CPD)

CEUs

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




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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:

	<p>Mr. Karl Thanasis, PEng, MSc, MBA, BSc, is a Senior Mechanical & HSE Consultant with over 30 years of Onshore & Offshore experience within the Oil, Gas, Refinery and Petrochemical industries. His wide expertise includes Crisis Management & Incident Control, Incident Command System (ICS), Risk Assessment, IOSH Managing Safely, Job Safety Analysis, Waste & Environmental Management, Health & Safety Management, Technical Rope Rescue, Crane, Forklift, Scaffolding, Lifting, Rigging, Slings, Banksman, Manual Handling, Lifting Equipment Inspection, Heavy Lifting Operations & Management, Overhead Crane as well as installation and erection of the Cooling Towers, Fired Heaters, Plastic Pipelines and Steel Structured Buildings. He is also well-versed in mechanical rotary drilling, mud pumping, pipe jointing, pressure hydro-testing, high pressure water jetting, remote cleaning, pressure hydro-testing, sulphur processing, ROV and other heavy equipment operations. Further, he has a very strong Technical and Site Managerial Leadership Skills including Production Planning, Scheduling, Construction Administration, Safety, Project Budget Development and Accountability. Currently, he is the Off-Shore Project Manager of DCN in Germany.</p> <p>Mr. Thanasis has acquired his thorough and practical experience as the Project Manager, Plant Manager, Area Manager - Equipment Construction, Construction Superintendent - Fired Heaters, Project Engineer and Thermal Design Engineer. He has worked in various companies worldwide in the USA, Germany, England and Greece and that include Unilever, Vitcom Engineering, J/V Eamt, Asprofos Engineering Company and Procon to name a few.</p> <p>Mr. Thanasis is a Registered Professional Engineer in the USA and Greece and has a Master and Bachelor degrees in Mechanical Engineering with Honours from the Purdue University and SIU in USA respectively as well as an MBA from the University of Phoenix in USA. Further, he is a Certified Internal Verifier/Trainer/Assessor by the Institute of Leadership & Management (ILM) and a Certified Instructor/Trainer.</p>
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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	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

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

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

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

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:-



Course Coordinator

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