COURSE OVERVIEW HE1913
Scaffold Inspection & Working at Height

Course Title
Scaffold Inspection & Working at Height

Course Date/Venue
Session 1: April 14-18, 2025/Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
Session 2: November 02-06, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

Course Reference
HE1913

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

Course Description

This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt in the class will be applied using the following practical methods: -

(1) Industrial Facility Visit: Course participants will be taken to an industrial facility where they will practice scaffold inspection and working at height procedures. In case this course is organized inside client premises (In-House), the client shall provide access to its scaffolding structures and height-access equipment for practical sessions.

(2) Tekla Simulator: Participants will use in the class our state-of-the-art "Tekla Structures Simulator" to practice some of the skills learnt.

This course is designed to provide participants with a detailed and up-to-date overview on Scaffold Inspection and Working at Heights. It covers the risks, statistics and the importance of safety in high-altitude operations; the different types of scaffolding and components that make up scaffolding structures; the fundamentals of load calculations, weight distribution and load capacity; the scaffolding regulations and standards; the procedures and best practices for safely erecting and dismantling scaffolding; the best practices for safely transporting and handling tools and materials on scaffolding; and inspecting various types of scaffolds, focusing on welds, corrosion and structural integrity.

During this interactive course, participants will learn the common scaffolding hazards; documenting findings and report issues during inspections; the non-destructive testing (NDT) methods and risk assessment for working at heights; the environmental factors affecting scaffolding safety and worker stability at heights; the routine checks and maintenance for height safety equipment to ensure reliability; the human factors and promoting a safety culture among workers at heights; and conducting safety audits and ensuring compliance with height safety regulations.

Course Objectives

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

- Get certified as a *"Certified Scaffolding Inspector"*
- Discuss the risks, statistics and the importance of safety in high-altitude operations
- Identify the different types of scaffolding and the components that make up scaffolding structures
- Explain the fundamentals of load calculations, weight distribution and load capacity
- Review the scaffolding regulations and standards and apply the procedures and best practices for safely erecting and dismantling scaffolding
- Develop and utilize checklists for before, during and after scaffold erection and recognize fall protection systems including harnesses, guardrails and netting
- Plan and execute rescue operations in case of a fall or scaffold failure
- Employ best practices for safely transporting and handling tools and materials on scaffolding
- Inspect various types of scaffolds, focusing on welds, corrosion and structural integrity
- Identify the common scaffolding hazards as well as document findings and report issues during inspections properly
- Apply non-destructive testing (NDT) methods and risk assessment for working at heights
- Discuss how environmental factors affect scaffolding safety and worker stability at heights
- Employ routine checks and maintenance for height safety equipment to ensure reliability
- Identify human factors and promote a safety culture among workers at heights
- Conduct safety audits and ensure compliance with height safety regulations

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 applicable to all maintenance technicians, scaffold inspectors, safety officers, and other technical staff.

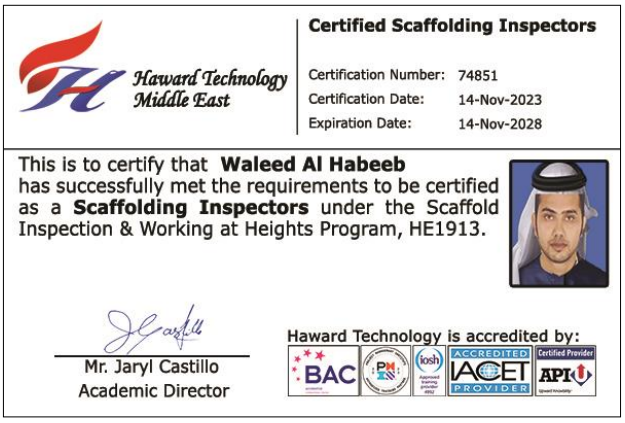
Course Certificate(s)

(1) Internationally recognized Competency Certificates and Plastic Wallet Cards 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. 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-23

HTME No. 74851

Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE1913	Scaffold Inspection & Working at Heights	November 10-14, 2023	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 Accredited 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 1-2018 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 1-2018 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

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**. 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. Russell Mason is an **International Expert** in **Lifting & Rigging Operations** with over **20 years** of experience in **Crane**, Rigging, **Slinging**, Lifting and Deck Operations, Construction Operations, **Scaffolding**, **Forklift, Safety Audits, Compliance with OSHA Safety Requirements** and other heavy equipment operations. His experience includes **HLO** and Welding operations. He is currently an Independent Consultant providing consultancy services on Lifting, Rigging, and **Crane Operations** to various companies all over **Australia**, **Europe** and **Asia**.

During his career life, Mr. Mason worked as a **Senior Construction Manager**, **Construction Manager**, **Construction Supervisor**, **Lifting & Rigging Superintendent**, **Lifting & Rigging Supervisor**, Deck Operations Supervisor, **Crane Operator** and Rigging Specialist. He worked in various companies such as AUST Corporation, Rydans Construction, All Area Rigging Company, Le Blanc Communications, **Fluor Daniel**, James Hardie Construction, NQEA, Citra Construction, Humes Construction and Queensland Public Works & Highways.

Mr. Mason has a **Bachelor** degree in **Engineering & Industrial Skills**. Further, he is a **Certified Instructor/Trainer** and has obtained international **certifications** for **Advanced Rigging**, **Advanced Scaffolding**, **Mobile Crane** (PIN-JIB, Hydraulic, no tonnage restriction), Dogman, **Forklift**, O/H Gantry, Front End **Loader** and other heavy equipment.

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.

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 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 to Working at Heights*** *- Discussing the Risks, Statistics & the Importance of Safety in High-Altitude Operations*
0930 – 0945	*Break*
0945 - 1030	***Basic Principles of Scaffolding*** *- Understanding Different Types of Scaffolding Used in Refineries & their Specific Applications*
1030– 1130	***Scaffolding Components & Terminology*** *- Detailed Look at the Components that Make Up Scaffolding Structures (Tubes, Couplers, Boards, Etc.)*
1130 – 1230	***Load Calculations & Distribution*** *- Introduction to the Fundamentals of Load Calculations, Weight Distribution, & Load Capacity*
1230 – 1245	*Break*
1245 – 1420	***Scaffolding Regulations & Standards*** *- Reviewing Key OSHA & Industry Standards Relevant to Scaffolding & Working at Heights*
1420 - 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2

0730 – 0930	***Safe Erection & Dismantling of Scaffolds -*** *Procedures & Best Practices for Safely Erecting & Dismantling Scaffolding*
0930 - 0945	*Break*
0945 – 1100	***Inspection Checklists -*** *Developing & Utilizing Checklists for Before, During, & After Scaffold Erection*
1100 – 1230	***Fall Protection Systems*** *- Overview of Personal & Collective Fall Protection Systems, Including Harnesses, Guardrails, & Netting*
1230 – 1245	*Break*
1245 – 1330	***Practical Exercise: Erecting a Scaffold*** *- Hands-On Training with Supervision to Erect a Small Scaffold Safely*
1330 - 1420	***Emergency Procedures & Rescue Plans*** *- Planning & Executing Rescue Operations in Case of a Fall or Scaffold Failure*
1420 - 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3

0730 – 0930	***Tool & Material Handling at Heights*** *- Best Practices for Safely Transporting & Handling Tools & Materials on Scaffolding*
0930 - 0945	*Break*
0945 – 1030	***In-Depth Scaffolding Inspection -*** *Detailed Procedures for Inspecting Various Types of Scaffolds, Focusing on Welds, Corrosion, & Structural Integrity*
1030 – 1115	***Common Scaffolding Hazards -*** *Identification & Mitigation of Common Scaffolding Hazards Specific to Refining Operations*
1115 - 1230	***Documentation & Reporting -*** *How to Document Findings & Report Issues During Inspections Properly*
1230 – 1245	*Break*

1245 – 1330	***Role-Play Activity: Inspection Scenarios*** *- Participants Engage in Role-Play to Practice Inspection & Hazard Identification*
1330 - 1420	***Non-Destructive Testing (NDT) Methods -*** *Introduction to NDT Methods Used in Inspecting Scaffolding Components*
1420 - 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4

0730 – 0930	***Case Studies: Scaffolding Failures -*** *Analysis of Past Scaffolding Failures to Understand & Learn from Real-World Incidents*
0930 - 0945	*Break*
0945 – 1100	***Risk Assessment for Working at Heights -*** *Techniques for Assessing & Managing Risks Associated with Working at Heights in a Refinery*
1100 – 1230	***Weather & Environmental Considerations -*** *How Environmental Factors Affect Scaffolding Safety & Worker Stability at Heights*
1230 – 1245	*Break*
1245 – 1330	***Equipment Maintenance & Checks -*** *Routine Checks & Maintenance for Height Safety Equipment to Ensure Reliability*
1330 - 1420	***Behavioral Safety at Heights -*** *Understanding Human Factors & Promoting a Safety Culture Among Workers at Heights*
1420 - 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5

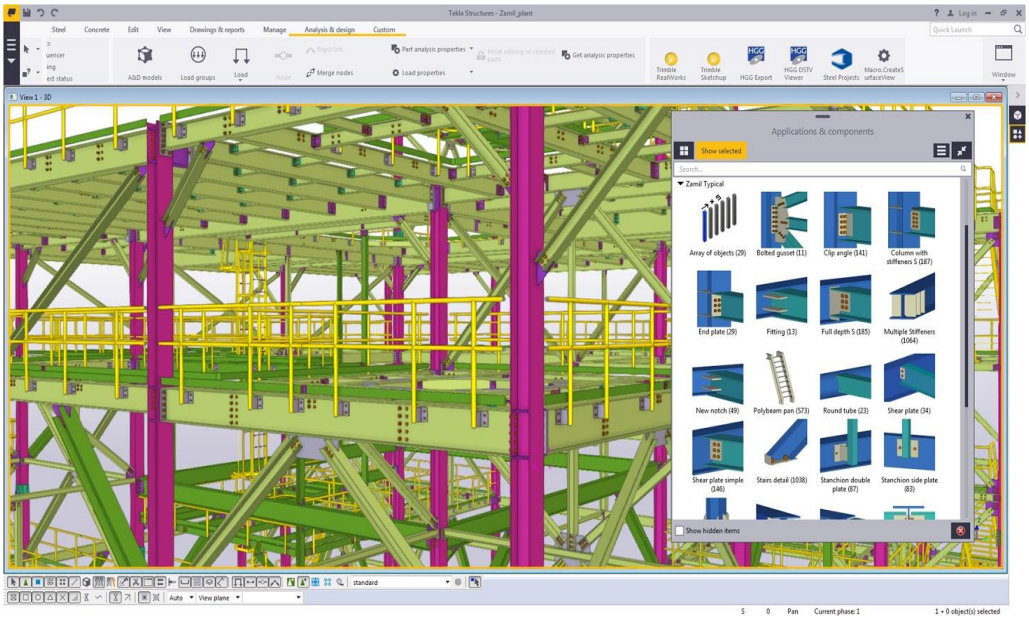
0730 – 0830	***Safety Audits & Compliance Checks -*** *How to Conduct Safety Audits & Ensure Compliance with Height Safety Regulations*
0830 - 0930	***Interactive Workshop: Safety Harness Fitting & Use -*** *Workshop on Correctly Using & Maintaining Safety Harnesses*
0930 - 0945	*Break*
0945 - 1215	***Practical Assessment: Scaffold Inspection -*** *Participants Perform a Full Scaffold Inspection Using the Knowledge & Skills Learned*
1215 - 1230	*Break*
1230 - 1300	***Practical Assessment: Working at Heights -*** *Practical Demonstration of Working Safely at Heights Using Fall Protection Systems*
1300 - 1315	***Course Conclusion***
1315 - 1415	***COMPETENCY EXAM***
1415 - 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

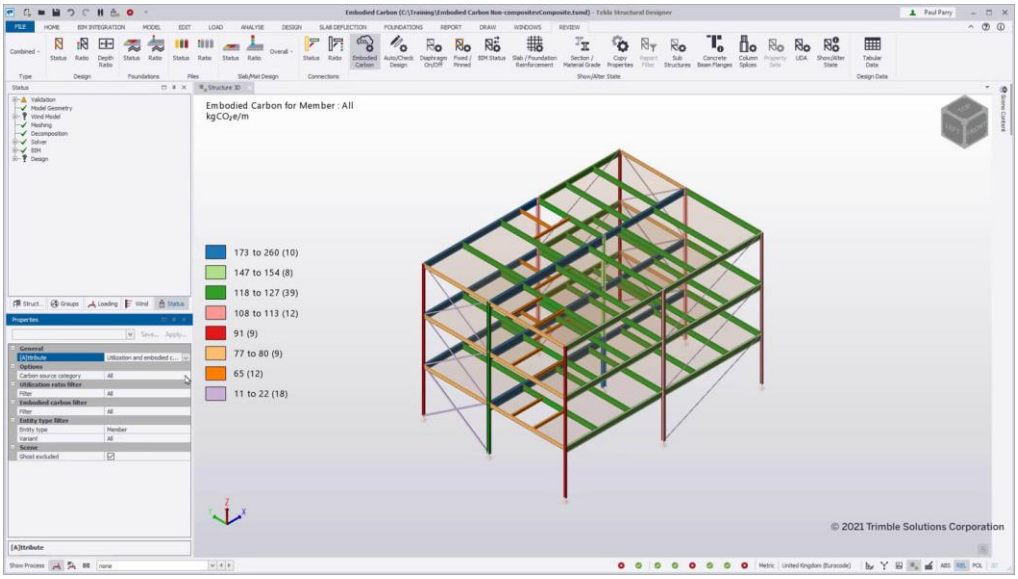
Practical Sessions/Site Visit

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

Simulator (Hands-on Practical Sessions)

Practical session 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 the simulator “Tekla Structures” simulator.





Tekla Structures

Course Coordinator

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