

**COURSE OVERVIEW HE1913**  
**Scaffold Inspection & Working at Height**

**Course Title**

Scaffold Inspection & Working at Height

**Course Date/Venue**

July 22-26, 2024/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, 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 will be applied using our state-of-the-art simulators.***



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


**Course Certificate(s)**

(1) Internationally recognized Wall Competency Certificates and Plastic Wallet Card Certificates will be issued to participants who have successfully completed the course and passed the exam at the end of the course. Successful candidate will be certified as a “Certified Scaffolding & 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:-

**Certified Scaffolding Inspectors**


Certification Number: 74851  
 Certification Date: 14-Nov-2023  
 Expiration Date: 14-Nov-2028

This is to certify that **Waleed Al Habeeb** has successfully met the requirements to be certified as a **Scaffolding Inspectors** under the Scaffold Inspection & Working at Heights Program, HE1913.



Mr. Jaryl Castillo  
Academic Director

Haward Technology is accredited by:




**Scaffolding Inspectors**

Certification Program

This program is designed to assist companies in identifying professionals who have satisfied the minimum competencies specified in HE1913. Haward Technology does not warrant or guarantee the performance of any professional certified under this program.

Haward Technology is accredited by:



74851



- (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

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## Haward Technology Middle East

Continuing Professional Development (HTME-CPD)

### CEU Official Transcript of Records

CEUs

<b>TOR Issuance Date:</b>	<b>14-Nov-23</b>
<b>HTME No.</b>	<b>74851</b>
<b>Participant Name:</b>	<b>Waleed Al Habeeb</b>

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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


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\* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \*



**Certificate Accreditations**

Certificates are accredited by the following international accreditation organizations: -


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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.

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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.

### 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. Raymond Tegman** is a **Senior HSE Consultant** with extensive experience within the **Oil & Gas, Petrochemical** and **Refinery** industries. His broad expertise widely covers in the areas of **Rigging Safety Rules, Machinery & Hydraulic Lifting Equipment, Handling Hazardous Chemicals, Crisis Management** and Contingency Planning, Behavioural Based Safety (BBS), **Safety Measures** and **Hazard Control, Advanced Risk, Reliability & Safety Management,**

**Mobile Lifting Equipment Operation and Maintenance, Lifting & Rigging Equipment Lifting Tackles Inspection License/Relicense, Spill Containment, Fire Protection, Fire Precautions, Incidents & Accidents Reporting, Crisis Management & Contingency Planning, HSEQ Audits & Inspection, HSEQ Procedures, Environmental Awareness, Waste Management Monitoring, Emergency Planning, Emergency Management, Working at Heights, Root Cause Analysis, HSE Rules & Regulations, Process Safety Management (PSM), Process Hazard Analysis (PHA), Techniques, HAZOP, HSE Risk, Pre-Start-up Safety Reviews, HSE Risk Identification, Assessments & Audit, HSE Risk Assessment & Management Concepts, HSE Management Policy & Standards, HSE Emergency Response & Crisis Management Operations, Confined Space Entry, Quantitative Risk Assessment (QRA), Hazardous Materials & Chemicals Handling, Safety Precaution & Response Action Plan, Hazard & Risk Assessment, Task Risk Assessment (TRA), Incident Command, Accident & Incident Investigation, Emergency Response Procedures, Job Safety Analysis (JSA), Behavioural Based Safety (BBS), Fall Protection, Work Permit & First Aid, Lock-out/Tag-out (LOTO), Emergency Response, Construction Supervision, Scaffolding Inspection, HAZCHEM, Manual Material Handling, Road Traffic Supervision, ISO 9001 and OHSAS 18001.**

During his career life, Mr. Tegman has gained his practical and field experience through his various significant positions and dedication as the **Operations Manager, Safety & Maintenance Manager, Safety Manager, Road/Traffic Supervisor, Assessor/Moderator, Safety Consultant, Safety Advisor, Safety Officer** and **Liaison Officer** from Zero Harm, SHRA Training & Services (Health & Safety), Road Crete, Balwin Property Development, DEME International, Gladstone Australia, Godavari Gas Pipeline and New Castle NCIG.

### 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: Monday, 22<sup>nd</sup> of July 2024**

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	<b>PRE-TEST</b>
0830 - 0930	<b>Introduction to Working at Heights</b> - Discussing the Risks, Statistics & the Importance of Safety in High-Altitude Operations
0930 – 0945	Break
0945 - 1030	<b>Basic Principles of Scaffolding</b> - Understanding Different Types of Scaffolding Used in Refineries & their Specific Applications
1030– 1130	<b>Scaffolding Components &amp; Terminology</b> - Detailed Look at the Components that Make Up Scaffolding Structures (Tubes, Couplers, Boards, Etc.)
1130 – 1230	<b>Load Calculations &amp; Distribution</b> - Introduction to the Fundamentals of Load Calculations, Weight Distribution, & Load Capacity
1230 – 1245	Break
1245 – 1420	<b>Scaffolding Regulations &amp; Standards</b> - Reviewing Key OSHA & Industry Standards Relevant to Scaffolding & Working at Heights
1420 - 1430	<b>Recap</b>
1430	Lunch & End of Day One

#### **Day 2: Tuesday, 23<sup>rd</sup> of July 2024**

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



**Day 3: Wednesday, 24<sup>th</sup> of July 2024**

0730 – 0930	<b>Tool &amp; Material Handling at Heights</b> - Best Practices for Safely Transporting & Handling Tools & Materials on Scaffolding
0930 - 0945	Break
0945 – 1030	<b>In-Depth Scaffolding Inspection</b> - Detailed Procedures for Inspecting Various Types of Scaffolds, Focusing on Welds, Corrosion, & Structural Integrity
1030 – 1115	<b>Common Scaffolding Hazards</b> - Identification & Mitigation of Common Scaffolding Hazards Specific to Refining Operations
1115 - 1230	<b>Documentation &amp; Reporting</b> - How to Document Findings & Report Issues During Inspections Properly
1230 – 1245	Break
1245 – 1330	<b>Role-Play Activity: Inspection Scenarios</b> - Participants Engage in Role-Play to Practice Inspection & Hazard Identification
1330 - 1420	<b>Non-Destructive Testing (NDT) Methods</b> - Introduction to NDT Methods Used in Inspecting Scaffolding Components
1420 - 1430	<b>Recap</b>
1430	Lunch & End of Day Three

**Day 4: Thursday, 25<sup>th</sup> of July 2024**

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

**Day 5: Friday, 26<sup>th</sup> of July 2024**

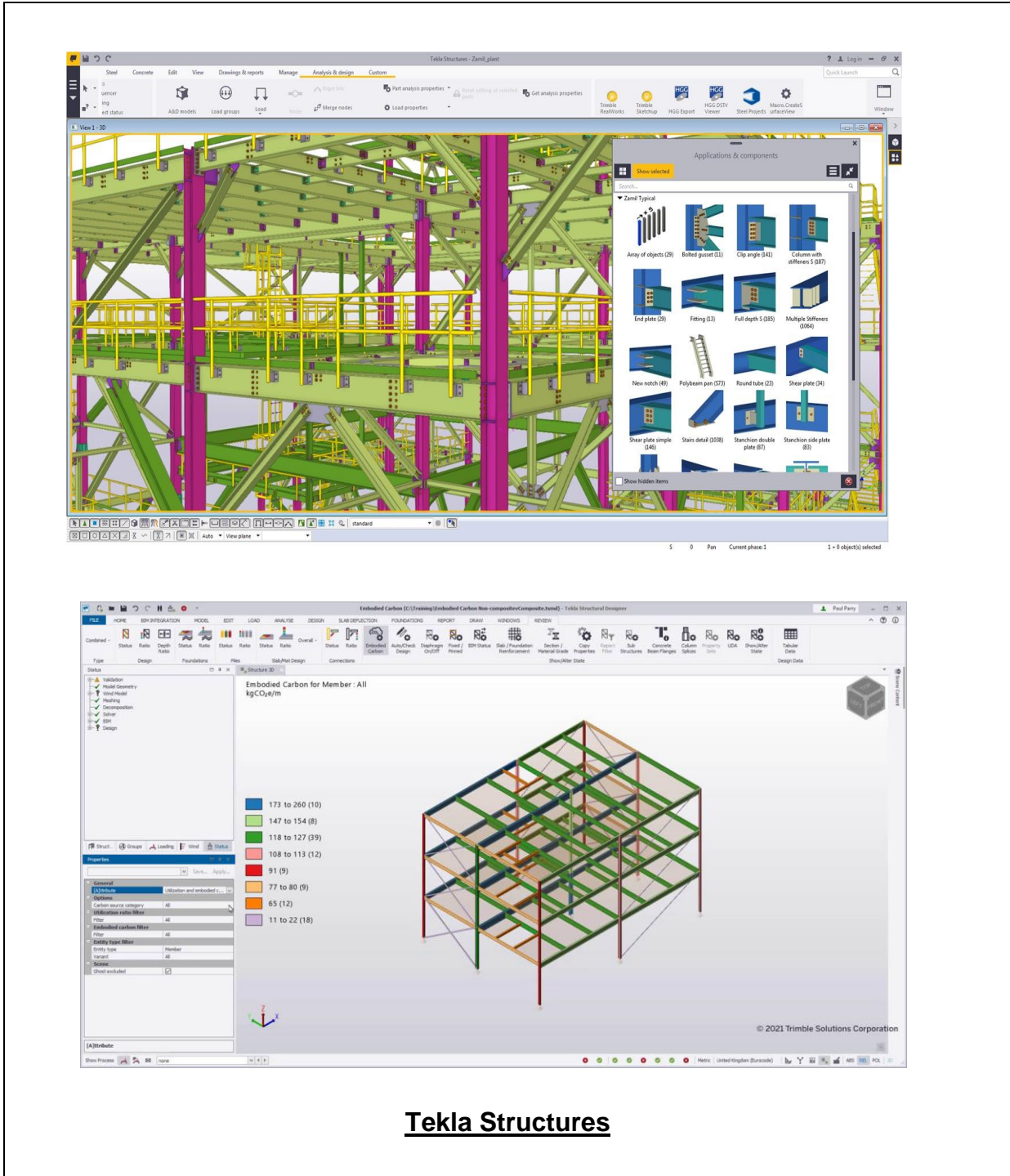
0730 – 0830	<b>Safety Audits &amp; Compliance Checks</b> - How to Conduct Safety Audits & Ensure Compliance with Height Safety Regulations
0830 - 0930	<b>Interactive Workshop: Safety Harness Fitting &amp; Use</b> - Workshop on Correctly Using & Maintaining Safety Harnesses
0930 - 0945	Break
0945 - 1215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





### 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.



### Course Coordinator

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