COURSE OVERVIEW HE0965

Certified Scaffolding & Aerial Work Platforms

Planning, Selection, Installation, Inspection, Stability, Materials, Methods, Standards & Safety

Course Title

Certified Scaffolding & Aerial Work Platforms: *Planning, Selection, Installation, Inspection, Stability, Materials, Methods, Standards & Safety*

Course Date/Venue

December 21-25, 2025/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Course Reference

HE0965

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs

Course Description

This practical and highly-interactive course includes practical sessions and demonstration where participants carryout scaffolding operations. Theory learnt in the class will be applied using aerial work platforms and various scaffolding equipment through hands-on practical sessions.

Scaffolding is widely used during construction and maintenance activities. In its simplest form, a scaffold is any temporary elevated or suspended work surface used to support manpower, equipment and/or materials. The construction industry gives rise to very intensive use of scaffolds. 65% of the construction manpower are regularly involved in the use of scaffolds and other elevated work platforms. These scaffolds are moved and/or dismantled more frequently and are used under more adverse conditions. Therefore, scaffolds result in hundreds of deaths and thousands of injuries per year, which costs the construction industry worldwide around US$900 million dollars. The consequences of such accidents cost the international economy over US$15 billion dollars per year. Documented injury accidents are only a small portion of the total number of accidents and costs. The goal of the construction industry is to assist in preventing even a minor part of this injury, death, and property damage.

This course is designed to provide a comprehensive and up-to-date overview of the materials, methods, standards, safety regulations, planning, selection, installation, inspection and stability of Scaffolding and Aerial Work Platforms. It covers American and British Regulations & Industry Standards; Accidents & Fatality Statistics; Pre-planning (Selection & Use); Training Requirements; Materials & Methods; Fall Protection; Electrocution on Scaffolds; Emergency Response; Supported Scaffolds; Tubular Welded-Frame Scaffolds (Mason's Frames); Tube & Coupler Scaffolding; Wood Pole Scaffolds; Pump Jack & Ladder Jack Scaffolds; Job-Manufactured Scaffolds; Form Scaffolds; Suspended Scaffolds; Single-Point & Two-Point Suspension Scaffolds; Multiple Point Suspension Scaffolds; Adjustable Multi-point Suspension Scaffolds (Stone Setters – Mason's); Outrigger Types Scaffolding; manually Propelled Rolling Towers; Aerial Work Platforms; Inspection Procedures; Stairways; Ladders; and Safety Plans & Procedures.

The course will present the latest innovations and practices in the industry, including, not only scaffolds, but aerial lift devices, ladders, etc, as they increase in popularity. It is also intended to provide current information to the experienced and new user, erector, and designer of scaffold systems and aerial work platforms of the regulatory requirements, industry standards, and innovations in the industry, as well as to provide examples of the most common failures which result in injury and death to construction workers everyday.

The last day of the course will be a site visit to one of the scaffolding companies in KSA, where participants will practice *setting-up a scaffolding yard and boom lift equipment as well as assembling small scaffolding structures.*

Course Objectives

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

- Get certified as a *"Certified Scaffolding Inspector"*
- Implement the American and British regulations and industry standards related to scaffolding and aerial work platforms
- Discuss the accidents, injuries and fatality statistics
- Plan, select and use of scaffolding & aerial work platforms
- Identify the various scaffold materials and aware of the methods used in calculating scaffolding requirements
- Employ the fall protection procedures during erection and use of scaffolds
- Describe electrocution on scaffolds and employ emergency response & rescue
- Distinguish the different types of supported scaffolds including tubular welded-frame scaffolds (mason's frames), tube & coupler scaffolding, wood pole scaffolds, pump and ladder jack scaffolds
- Determine the different types of suspended scaffolds including single-point and two-point suspension scaffolds, multiple point suspension scaffolds, adjustable multi-point suspension scaffolds (stone setters – mason's) and outrigger types scaffolding
- Explain the proper use of manually propelled rolling towers, aerial work platforms, stairways and ladders
- Use correct forms and checklists during the inspection procedures of scaffolds and aerial work platforms
- Prepare safety plans and understand safety procedures related to scaffolding and aerial work platforms

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 scaffolding and aerial work platforms for project, construction, maintenance and safety managers, engineers, superintendents, supervisors and foremen. Further, this course is also suitable for architects, engineers, contractors, attorneys and insurance companies.

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.

Accommodation

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

Course Fee

US$ 5,500 per Delegate. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

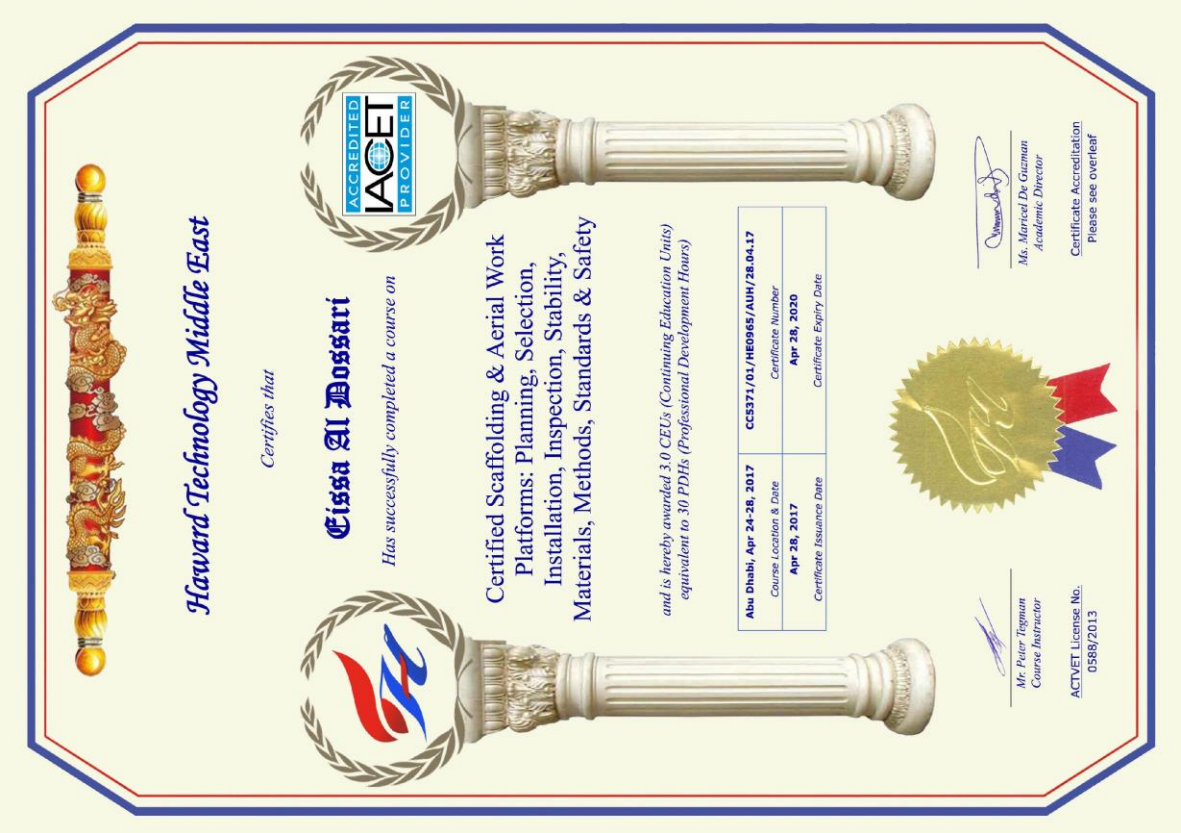
Course Certificate(s)

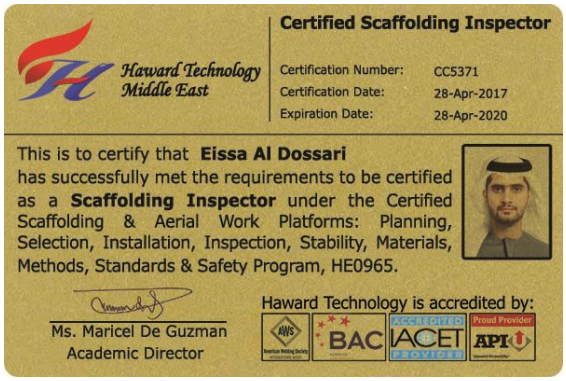
(1) Internationally recognized Competency Certificates and Plastic Wallet Cards will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Successful candidate will be certified as a "*Certified Scaffolding Inspector*".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

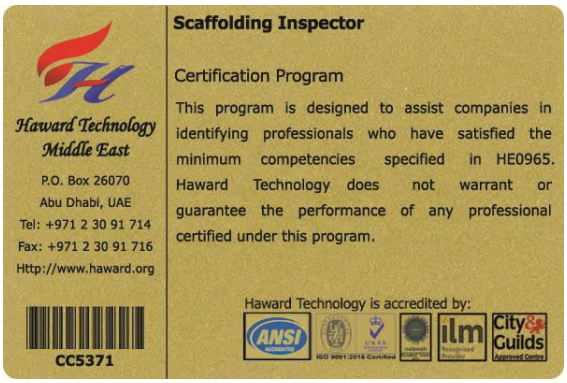
Recertification is FOC for a Lifetime.

Sample of Certificates

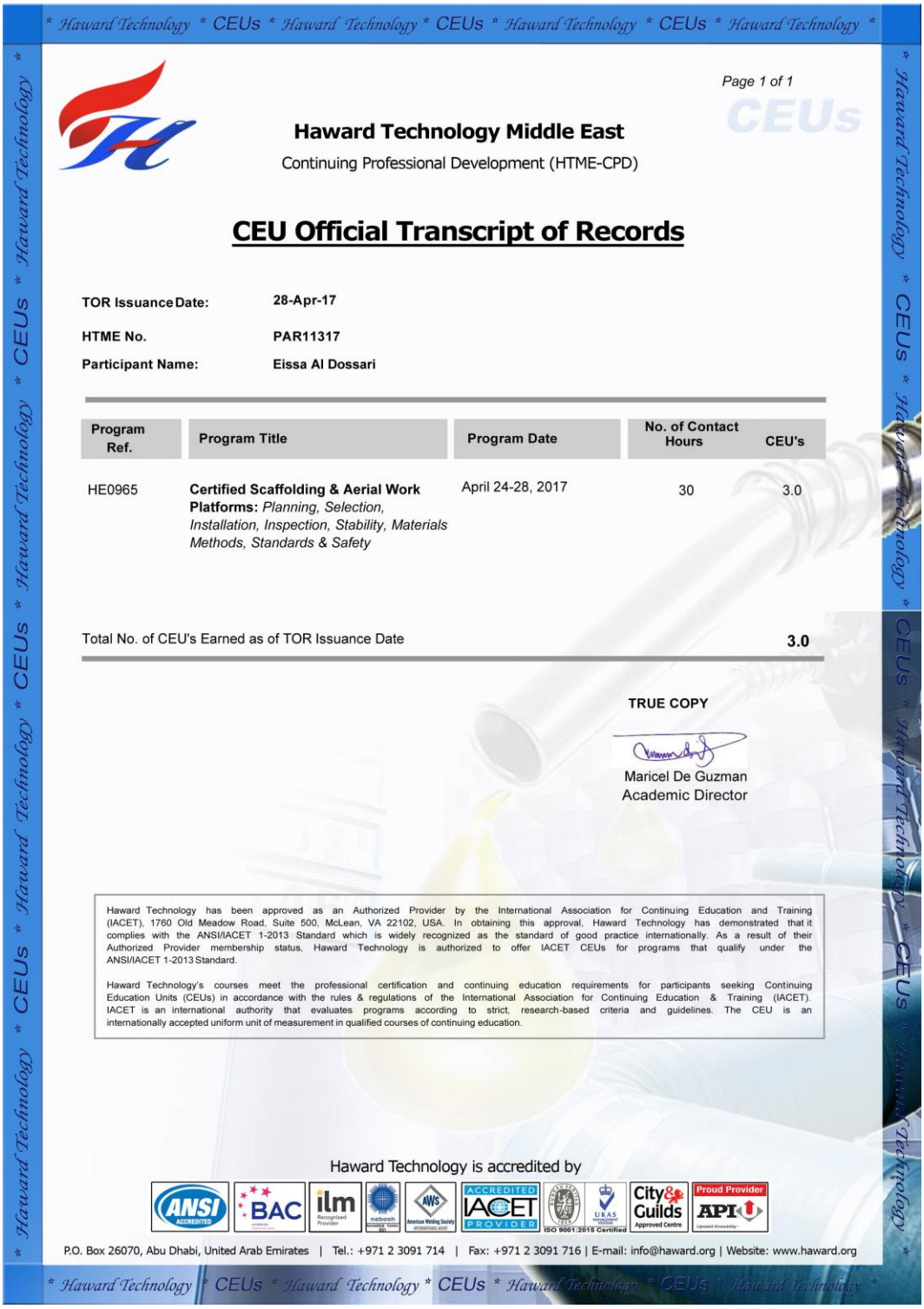
The following are samples of the certificates that will be awarded to course participants:-







(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

TOR Issuance Date: 28-Apr-17

HTME No. PAR11317

Participant Name: Eissa Al Dossari

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE0965	**Certified Scaffolding & Aerial Work Platforms:** *Planning, Selection, Installation, Inspection, Stability, Materials Methods, Standards & Safety*	April 24-28, 2017	30	3.0

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

TRUE COPY

Maricel De Guzman
Academic Director

Haward Technology has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102, 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: -

- 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 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. Francis Almeida, PgDip, BSc, NEBOSH-ENV, NEBOSH-IGC, NEBOSH-IFC, NEBOSH-IOGC, NEBOSH-PSM, is a **Senior Health, Safety & Environmental** (**HSE**) **Consultant** with over **30 years** of practical experience within the **Oil** and **Gas** industry. He is a **NEBOSH Approved Instructor** for various certification programs. His expertise lies extensively in the areas of **Accident/Incident Investigation & Risk Management**, **NEBOSH** Environmental Management, **NEBOSH** International General Certificate, **NEBOSH** Fire Safety & Risk Management International Certificate, **NEBOSH** International Oil & Gas Certificate, **NEBOSH** Process Safety Management, **HAZOP & HAZID**, **HAZMAT & HAZCOM** Storage & Disposal, As Low as Reasonably Practicable (**ALARP**), Process Hazard Analysis (**PHA**), Process Safety Management (**PSM**), **Hazardous Materials & Chemicals** Handling, **Pollution Control**, **Environment, Health & Safety** Management, **Process Risk** Analysis, Effective Tool Box Talks, Construction Sites Safety, **HSSE Management** System, **HSSE Audit & Inspection**, **HSEQ Procedures**, **Authorized Gas** Testing, **Confined Space Entry & Rescue**, **Risk** Management, **Quantitative & Qualitative Risk** Assessment, **Working at Height**, **Firefighting** Techniques, **Fire** & **Gas** Detection System, **Fire Fighter & Fire** Rescue, **Fire Risk** Assessment, **HSE Industrial Practices**, **Manual Handling**, **Rigging Safety Rules**, **Machinery & Hydraulic Lifting Equipment**, **Warehouse Incidents & Accidents Reporting**, **Incident & Accident Investigation**, **Emergency Planning**, **Emergency Response & Crisis** Management Operations, **Waste Management** Monitoring, **Root Cause Analysis**, Hazard & Risk Assessment, Task Risk Assessment (**TRA**), **Incident Command**, Job Safety Analysis (**JSA**), Behavioral Based Safety (**BBS**), **Fall Protection**, **Work Permit & First Aid** and various international codes and standards such as the ISO 9001, OHSAS 18001, ISO 14001, SA8000, ISO 9001-2000 and ISO 9002. He was the **Offshore Safety Specialist** of **Chevron** wherein he was in-charged in HSE inspections, hazard analysis, incident investigation and implementing corrective actions.

During his career life, Mr. Almeida has gained his practical and field experience through his various significant positions and dedication as the **Quality Manager**, **HSE Specialist/Acting On-Scene Commander**, **Quality Auditor**, **Quality Supervisor**, **QHSE Engineer**, **Metallurgical Engineer**, **HSE Coordinator**, **Suppliers Auditor**, **Senior Instructor/Consultant**, **Oil & Gas Construction Specialist**, **Business Administration Specialist** and **Oil & Gas Management Technology Specialist** for various international companies and institutions such as the IBEC, Lopes & Almeida, IMA, EXPRO Group, UNESA, Vetco Aibel, ABB Oil & Gas, Brazilian Aluminum Foundry, DNV and ABIFA.

Mr. Almeida has a **Bachelor** degree in **Metallurgical Engineering** and a **Post Graduate Diplomas** in **Safety Engineering** and **Industrial Administration**. Further, he is a **Certified Instructor/Trainer**, an **Approved Lead Tutor** in **NEBOSH Environmental Management Certificate**, **NEBOSH International General Certificate**, **NEBOSH International Oil & Gas Certificate** and **NEBOSH Process Safety Management Certificate** and an **Approved Practical Assessor/Lead Tutor** in **NEBOSH Fire Safety & Risk Management**. Moreover, he is a **Certified ISO 9001:2000 Lead Auditor**, a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership and Management** (**ILM**) and has further delivered numerous trainings, courses, seminars, conferences and workshops globally.

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: ***Sunday, 21st of December 2025***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0900	***International Regulations & Industry Standards*** *American Standards ● British Standards*
0900 – 0930	***Accidents, Injuries & Fatality Statistics*** *Hazards of Elevated Work Platforms ● Statistics ● Why Do Scaffolds Fall? ● Case Studies ● Failure to Understand and/or Comply with Regulatory Requirements ● Proper Assembly of Scaffolds ● Listing of Citations*
0930 – 0945	*Break*
0945 – 1030	***Preplanning – Selection & Use*** *Preplanning is Essential ● Beginning ● OSHA Standards*
1030 – 1100	***Training Requirements*** *Specific Requirements ● Training Materials ● Competent, Qualified & Authorized Designations ● Scaffold Tags ● Competent & Qualified Persons on the Jobsites*
1100 – 1145	***Materials & Methods*** *Soil Bearing Capacities ● Foundation/Support ● Scaffolds on Elevated Structures ● Platforms ● Falling Object Protection ● Causes of Scaffold Accidents ● Wire Suspension Ropes ● Fiber Ropes*
1145 – 1230	***Fall Protection During Erection & Use of Scaffolds*** *Identifying Hazards – The Job Hazard Analysis Form ● Fall Protection Solutions ● Rescue Plans*
1230 – 1245	*Break*
1245 – 1330	***Electrocution on Scaffolds*** *Safety Factors ● Determining Location of Power Lines ● Use of Electrical Power Tools on Scaffolds ● Suspended Scaffolds & Welding ● Case Studies ● Working in the Vicinity of Power Lines*
1330 – 1420	***Emergency Response & Rescue*** *The Contract ● Possible Scenarios ● Workplace Emergencies*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day One*

Day 2: ***Monday, 22nd of December 2025***

0730 – 0830	***Supported Scaffolds*** *General Defini+tion and Requirements ● Maintaining Stability ● Preventing Contact with Electrical Lines ● Access ● Square and Level ● Criteria for Fall Protection on Supported Scaffolds ● Guardrail Systems*
0830 – 0930	***Tubular Welded-Frame Scaffolds – Mason's Frames*** *The Half-Ladder ● End Frames ● The Pad ● Jacks ● Planning ● Pre-Erection Inspection ● OSHA Regulations*
0930 – 0945	*Break*

0945 – 1030	***Tube & Coupler Scaffolding*** *Definition ● Important Features of Tube & Coupler Scaffolding ● Standard Tables for Minimum Constructions*
1030 – 1115	***Wood Pole Scaffolds*** *Use of Wood Pole Scaffolds ● Wood Pole Scaffold Requirements*
1115 – 1215	***Pump Jack Scaffolds & Ladder Jack Scaffolds*** *Definition ● The Importance of the Structure and Poles ● Structure of Pump Jack Scaffolds ● Ladder Jack Scaffolds*
1215 – 1230	*Break*
1230 – 1330	***Job-Manufactured Scaffolds & Form Scaffolds*** *The Need for Forming Systems ● Roof Brackets*
1330 – 1420	***Suspended Scaffolds – General Information*** *Support ● Loads ● Weight & Stability ● Fall Protection on Suspended Scaffolds*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Two*

Day 3: ***Tuesday, 23rd of December 2025***

0730 – 0830	***Single-Point & Two-Point Suspension Scaffolds*** *Methods of Support ● Preventing Scaffold Sway ● Platforms ● Single-Point Suspension Scaffolds (Boatswains' Chair)*
0830 – 0930	***Multiple Point Suspension Scaffolds*** *The Interior Hung Scaffold ● Float Scaffolds ● Catenary Scaffolds*
0930 – 0945	*Break*
0945 – 1100	***Adjustable Multi-Point Suspension Scaffolds (Stone Setters – Mason's)*** *Mason's Multi-Point Scaffolds*
1100 – 1230	***Outrigger Type Scaffolding*** *Needle Beam Scaffolds ● Outrigger Beam Scaffolds ● Window-Jack Scaffolds*
1230 – 1245	*Break*
1245 – 1330	***Manually Propelled Rolling Towers*** *Various Uses ● Guidelines for Use ● Construction and Safety ● Casters ● Moving a Scaffold ● Outriggers ● Access*
1330 – 1420	***Aerial Work Platforms*** *Types of Aerial Work Platforms ● OSHA Regulations ● Industry Standards ● Specifications for Aerial Work Platforms ● Common Hazards & Precautions ● Fall Protection ● Typical Malfunctions & Injuries*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4:	Wednesday, 24th of December 2025
0730 – 0900	***Inspection Procedures*** *Pre-Operation Checklist for Bucket Trucks ● Pre-Operation Checklist for Boom Lifts ● Pre-Operation Checklist for Scissor Lifts ● Pre-Delivery & Frequent Inspection Form for Boom Lifts ● Frequent Inspection Checklist for Scissor Lifts ● Annual Inspection Checklist for Bucket Trucks ● Annual Inspection Form for Boom Lifts ● Annual Inspection Form for Scissor Lifts*
0900 – 0915	*Break*
0915 – 1100	***Stairways*** *Types of Stairways ● OSHA Regulations ● Industry Standards ● Installation ● Training Requirements ● Common Hazards ● Common Precautions ● Fall Protection ● Typical Malfunctions & Injuries*
1100 – 1230	***Ladders*** *Types of Ladders ● OSHA Regulations ● Industry Standards ● Installation & Removal of Portable Ladders ● Training Requirements ● Inspection Checklists ● Common Hazards ● Common Precautions ● Working from a Ladder ● Fall Protection ● Typical Malfunctions & Injuries ● Portable Ladder Inspection Checklist ● Guidelines for Extension Ladder Safety Set-up & Repositioning ● Guidelines for Extension Ladder Safety – Use*
1230 – 1245	*Break*
1245 – 1400	***Safety Plans & Procedures*** *General Requirements for Scaffolding ● Safety Standards for Aerial Lifts ● Safety Standards for Specific Scaffolds ● Scaffold Construction ● Scaffold Hazards ● Scaffold Specifications ● Most Frequent Citations ● Calculating Scaffold Planks ● OSHA-Approved Safety & Health Plans*
1400 – 1420	***EXAM***
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Four*

Day 5:	Thursday, 25th of December 2025
0730 – 0900	*Preparation & Travel from the Hotel to the Site Visit*
0900 – 0915	*Break*
0915 – 1100	***Practical Session*** *A Set-Up of Scaffolding Yard & Boom Lift Equipment ● Observing an Actual Workshop*
1100 – 1200	***Discussion Regarding the Workshop***
1200 – 1230	***Walk through in the Factory***
1230 – 1245	*Break*
1245 – 1300	*Travel from Site Visit to Hotel*
1300 – 1315	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
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

Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org