

**COURSE OVERVIEW ME1015**

**Pressure Testing Procedures: Best Practices and Safety Guidelines**

**Course Title**

Pressure Testing Procedures: Best Practices and Safety Guidelines

**Course Date/Venue**

Session 1: May 05-09, 2025/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE  
 Session 2: August 24-28, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE



**Course Reference**

ME1015



**Course Duration/Credits**

Five days/3.0 CEUs/30 PDHs

**Course Description**



***This hands-on, highly-interactive course includes practical sessions and exercises. Theory learnt in the class will be applied using various equipment suitable for hose pressure testing.***



This course is designed to provide participants with a detailed and up-to-date overview of hose pressure testing. It covers the key safety issues and risk assessment when using pressure testing equipment; the hose types, construction and design used within the oil and gas/processing industries; the hose selection and identification; the test fittings, flanges, inspection process and reasons for failure; and the alignment and fitment of hose assemblies.



During this interactive course, participants will learn the assembly best practice procedures and standards; the hose elongation, inspection method and continuity testing; the wire corrosion, damage and BS requirements; the hose labelling, identification and maintenance strategy; the testing of pressures and the theory and practical issues of pressure testing equipment.

### Course Objectives

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

- Apply systematic techniques on hose pressure testing
- Identify the key safety issues and assess risk when using pressure testing equipment
- Recognize hose types as well as construction and design used within the oil and gas/processing industries
- Carryout hose selection and identification
- Perform test fittings, flanges and inspection process and determine reasons for failure
- Align and use fitment of hose assemblies
- Apply assembly best practice procedures and standards
- Demonstrate hose elongation, inspection method and continuity testing
- Identify wire corrosion, damage and BS requirements
- Employ hose labelling, identification and maintenance strategy
- Carryout testing of pressures and discuss the theory and practical issues of pressure testing equipment

### 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 covers systematic techniques on hose pressure testing for mechanical engineers, technicians and apprentices looking to enhance their skills.

### 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 Certificate(s)


Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

### 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:



**Mr. Moayyad Sanori**, is a **Senior Mechanical Engineer** with **30 years** of extensive experience within the **Oil & Gas, Petrochemical and Refinery Industries**. His expertise widely covers in the areas of **Fire Protection & Life Safety System Testing, Sprinkler System Inspection & Maintenance, Standpipe & Hose Systems, Fire Pump Maintenance, Water Storage Tank Inspection, Valve Inspection & Testing, Safety Relief Valves, Air Compressor & Nitrogen Generators, Piping Assessment, Mechanical Pipe**

**Fitting, Fire Pump Inspection & Testing, Fire Suppression Design, Fired Heaters & Exchangers, Process Plant Operation, Hydrocarbon Production Operation, Monitoring & Maintaining HSE Systems, Emergency & Critical Situations Control, Integrated Process Systems Start-up, Shutdown, Monitoring & Control, Process Plant Equipment Isolation, Mechanical Maintenance, Maintenance & Reliability Management, Preventive & Predictive Maintenance, Machinery Failure Analysis (RCFA), Condition Based Monitoring, Centrifugal Pumps & Compressors Overhauling, Positive Displacement Pump, Heat Exchangers, Steam & Gas Turbine, Heat Recovery Steam Generator, Combined Cycle, Pipe Erection Installation, Welding Operations, Tank Pressure LPG, CNC Fabrication, Safety Valves, Distillation Columns, Gearbox, Pipe Fitting, Lathes, Milling, Diesel Engines, Boiler & Burners, Turbines & Motors, Power Piping, and ASNT-NDT Inspection Methods.** He is currently the **General Maintenance Supervisor** of **Jable Oil Services** with collaboration of **Waha Oil Company** wherein he is responsible in supervising the maintenance and operation of pumps, compressors, gas turbines, steam turbines, pipe testing and training of new employees.

During Mr. Moayyad's career he has handled key positions as such **Mechanical Maintenance Manager, Mechanical Maintenance Supervisor, Pipe Testing Supervisor, Radiation Supervisor, NDT Supervisor, General Maintenance Supervisor, Piping Testing Engineer, NDT Technician, Mechanical & Pipe Fitting Instructor** and **Pump Maintenance Technician** of various international companies including **Jordan Petroleum Refinery Company, Saudi Aramco, Rawabi Industrial Support Services, Experts Industrial Testing Company, Petra for Mechanical Testing Company** and **Al-Waei Metal Forming Establishment**.

Mr. Moayyad has an **Associate Diploma in Mechanical Engineering**. Further, he is a **Certified Instructor/Trainer**, a **Certified ASNT-NDT Level II** in Radiography (RT), **Magnetic Particle Testing (MT), Liquid Penetrant Testing (PT)** and **Ultrasonic Thickness Testing (UTT)** and a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management (ILM)**. He has further delivered numerous trainings, courses, seminars, workshops and conferences internationally.



**Course Fee**

**US\$ 5,500** per Delegate + **VAT**. This rate includes H-STK® (Howard 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.

**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	<i>Registration &amp; Coffee</i>
0800 – 0815	<i>Welcome &amp; Introduction</i>
0815 – 0830	<b>PRE-TEST</b>
0830 – 0930	<b><i>Key Safety Issues &amp; Risk Assessment When Using Pressure Testing Equipment</i></b>
0930 – 0945	<i>Break</i>
0945 – 1100	<b><i>Introduction to Hose Types, Construction &amp; Design Used Within the Oil &amp; Gas/Processing Industries</i></b>
1100 – 1215	<b><i>Introduction to Hose Types, Construction &amp; Design Used Within the Oil &amp; Gas/Processing Industries (cont'd)</i></b>
1215 – 1230	<i>Break</i>
1230 – 1420	<b><i>Hose Selection &amp; Identification</i></b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day One</i>

**Day 2**

0730 – 0930	<b><i>Test Fitting &amp; Flanges</i></b>
0930 – 0945	<i>Break</i>
0945 – 1100	<b><i>Inspection Process, Reasons for Failure</i></b>
1100 – 1215	<b><i>Alignment &amp; Use/Fitment of Hose Assemblies</i></b>
1215 – 1230	<i>Break</i>
1230 – 1420	<b><i>Alignment &amp; Use/Fitment of Hose Assemblies (cont'd)</i></b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Two</i>

**Day 3**

0730 – 0930	<b><i>Assembly Best Practice Procedures/Standards</i></b>
0930 – 0945	<i>Break</i>
0945 – 1100	<b><i>Hose Elongation, Inspection Method &amp; Continuity Testing</i></b>
1100 – 1215	<b><i>Hose Elongation, Inspection Method &amp; Continuity Testing (cont'd)</i></b>
1215 – 1230	<i>Break</i>
1230 – 1420	<b><i>Wire Corrosion, Damage &amp; BS Requirements</i></b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Three</i>

**Day 4**

0730 – 0930	<b>Hose Labelling &amp; Identification</b>
0930 – 0945	<i>Break</i>
0945 – 1100	<b>Hose Labelling &amp; Identification (cont'd)</b>
1100 – 1215	<b>Maintenance Strategy</b>
1215 – 1230	<i>Break</i>
1230 – 1420	<b>Maintenance Strategy (cont'd)</b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Four</i>

**Day 5**

0730 – 0930	<b>Testing &amp; Pressures</b>
0930 – 0945	<i>Break</i>
0945 – 1100	<b>Testing &amp; Pressures (cont'd)</b>
1100 – 1215	<b>Theory &amp; Practical Issues Ref Pressure Testing Equipment</b>
1215 – 1230	<i>Break</i>
1230 – 1345	<b>Theory &amp; Practical Issues Ref Pressure Testing Equipment (cont'd)</b>
1345 – 1400	<b>Course Conclusion</b>
1400 – 1415	<b>POST-TEST</b>
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch &amp; End of Course</i>

**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 exercises using various equipment suitable for hose pressure testing.





Pressure & Temperature



Hydro Testing Equipment



Manual Pump Testing



Hose





**Course Coordinator**

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