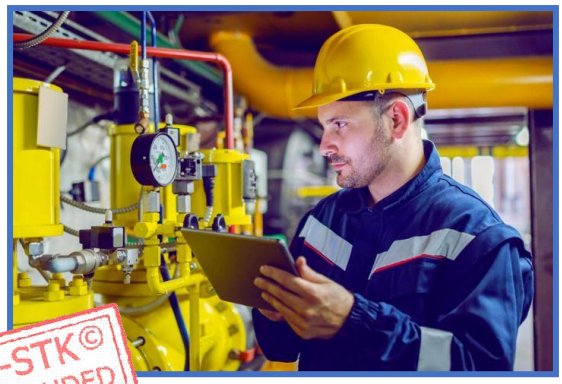
COURSE OVERVIEW RE0986-3D
Asset Reliability Practitioner [ARP-A] Reliability Advocate Training, Exam & Certification (Mobius Institute)

Course Title
Asset Reliability Practitioner [ARP-A] Reliability Advocate: Training, Exam & Certification (Mobius Institute)



Course Date/Venue
please refer to page 6

Course Reference
RE0986-3D

Course Duration/Credits
Three days/1.6 CEUs/16 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 of Asset Reliability Practitioner. It covers the reliable plant, process overview, comparison strategies, asset reliability transformation, asset management and ISO 55000; the value to improve reliability, current performance and cost and measuring progress; the various strategy, plantwide engagement, getting maintenance under control and defect elimination; the condition-based maintenance, run to failure and getting organized; and the strategy, reliability data and asset criticality ranking.

During this interactive course, participants will learn the preventative maintenance optimization (PMO), reliability centered maintenance (RCM), failure modes effects analysis (FMEA) and root cause analysis (RCA); the work management flow, strategy-based work and work requests; establishing a priority system and processing requests; the job planning, scheduling and execution, commissioning, closeout and feedback and spares management; the precision installation, alignment, balancing, fastening, resonance elimination and proactive asset care; and the condition monitoring and continuous improvement.

Course Objectives

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

- Get certified as an *"Asset Reliability Practitioner - Advocate (ARP-A)"* from Mobius Institute
- Recognize a reliable plant including process overview, comparison strategies, asset reliability transformation, asset management and ISO 55000
- Assess the value to improve reliability and identify current performance and cost and measuring progress
- Carryout various strategy, plantwide engagement, getting maintenance under control and defect elimination
- Define failure and apply condition-based maintenance, run to failure and getting organized
- Develop a strategy, analyze reliability data and assess asset criticality ranking
- Employ preventative maintenance optimization (PMO), reliability centered maintenance (RCM), failure modes effects analysis (FMEA) and root cause analysis (RCA)
- Illustrate work management flow, strategy-based work and work requests, establishing a priority system and processing requests
- Apply job planning, scheduling and execution, commissioning, closeout and feedback and spares management
- Carryout precision installation, alignment, balancing, fastening, resonance elimination and proactive asset care
- Employ condition monitoring covering vibration analysis, ultrasound, electric motor diagnostic testing, oil analysis, wear particle analysis, infrared analysis, visual inspections, performance monitoring and non-destructive testing
- Implement continuous improvement comprising of key performance indicators (KPIs), program strategy and continual education

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 asset reliability practitioner for maintenance and reliability team members, operations and production personnel, engineering, management and leadership and other technical staff.

Exam Eligibility & Structure

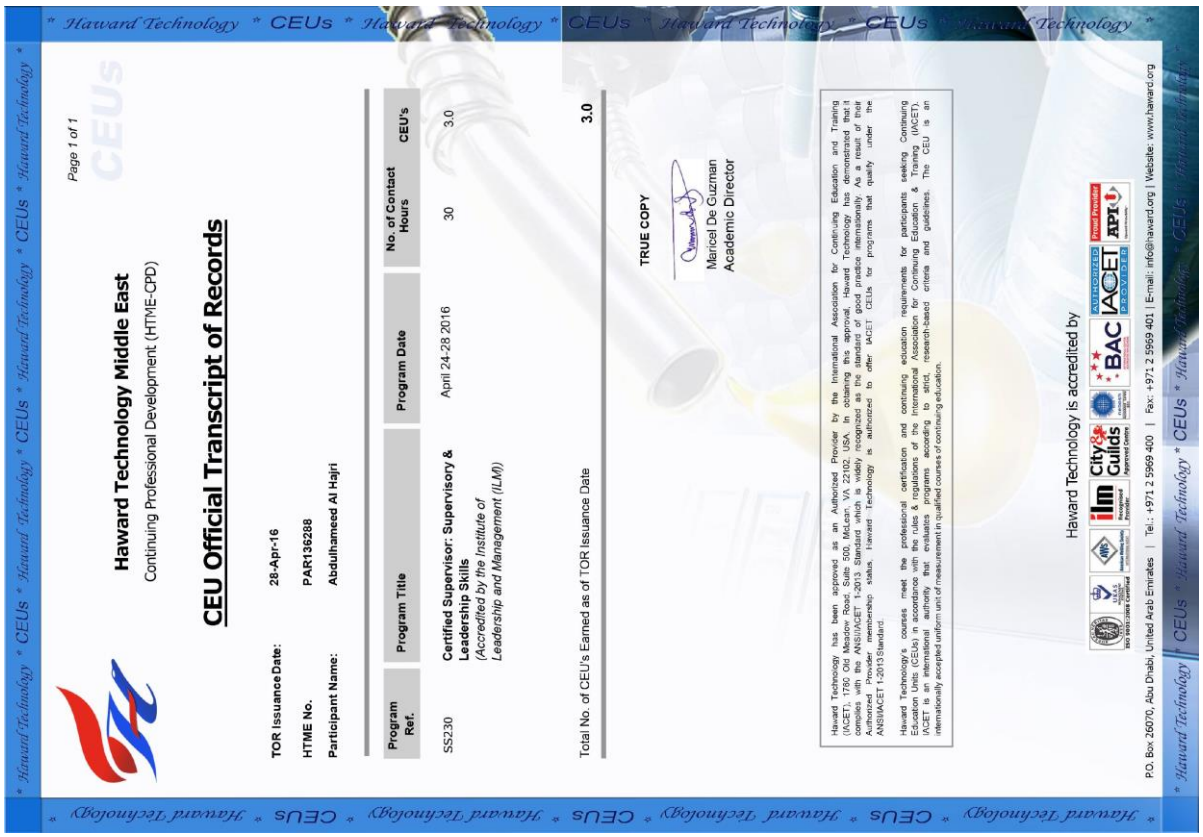
Exam candidates shall have the following minimum prerequisites: -

- ARP-A Training course completed
- 6-months of work experience, verified by an independent person
- Pass the exam

ARP-A Certificate(s)

(1) ARP-A certificates will be issued to participants who have successfully passed the ARP-A examination.

(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-16
HTME No. PAR136288
Participant Name: Abdulhameed Al Hajri

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
SS230	**Certified Supervisor: Supervisory & Leadership Skills** *(Accredited by the Institute of Leadership and Management (ILM))*	April 24-28 2016	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

P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 5969 400 | Fax: +971 2 5969 401 | E-mail: info@haward.org | Website: www.haward.org

Certificate Accreditations

Haward's 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**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). 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 **1.6 CEUs** (Continuing Education Units) or **16 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.

- Asset Reliability Practitioner (ARP)

Haward Technology is authorized as a **Mobius Authorized Training Partner and Examination Center** to conduct MOBIUS courses and to deliver certification exams. **Mobius Institute Board of Certification (MIBoC)** is accredited according to ISO/IEC 17024 and various certification schemes, providing globally recognized certification to business leaders and condition monitoring, maintenance, and asset reliability practitioners.

Haward Technology is approved to deliver **Asset Reliability Practitioner (ARP)** certification training and examination.

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. Moataz Mohamed PGDip, MSc, BSc, VIB Analyst CAT 3, VIB Specialist CAT 3, ARP-A, MRT, ML-1, is a **Senior Mechanical & Maintenance Reliability Engineer** with extensive years of industrial experience within the **Oil & Gas**, **Refinery** and **Petrochemical** industries. His expertise widely covers in the areas of Vibration **Analysis**, **Vibration** Techniques, Advanced **Vibration** Analysis, **Machinery Vibration** Analysis, **Vibration Correction** & **Rotating Equipment Alignment**, **Metric Vibration**, **Acoustic & Flow Induced Vibration**, **Thermal Imaging** Technology, **Precision Machinery Alignment**, **Laser Shaft Alignment**, **Mechanical & Shaft Alignment**, **Rotor** Balancing, **Machinery** Balancing, **Pump Technology**, **Hydraulic System** Operation, Maintenance & Troubleshooting, **Bearing Installation** & **Lubrication**, **Bearings** Maintenance & Selection, **Machinery** Maintenance, **Mechanical & Dry Gas Seal** Operation & Maintenance, **Heat Exchangers** Operation & Maintenance, **Boiler** Operation & Maintenance, **Maintenance Engineering & Condition Monitoring**, **Maintenance** Best Practice & Optimization, **Mechanical Fault** Diagnosis, **Maintenance** Benchmarking & Improvement, **Gas Turbine** Operation & Maintenance, **Compressor** Operation, Maintenance & Troubleshooting, **Shutdown & Turnaround**, **Oil Testing & Analysis**, **Borescope Inspection**, **Pumps** Operations & Maintenance, **Compressors** Operations & Maintenance, **Gas Turbines** Operations & Maintenance, Turbo Expander, Reliability-Centered Maintenance (**RCM**) and Risk-Based Inspection (**RBI**), **Spare Parts** Consumption, **Thermal Insulation** Replacement & Installation, **Piping & Fixed Equipment** Inspection, Root Cause Failure Analysis (**RCFA**), Root Cause Analysis (**RCA**), KPI Monitoring, Rockwell Automation, Azima and IT Concept.

During his career life, Mr. Moataz has gained his practical and field experience through his various significant positions and dedication as the **Technical Support Assistant General Manager**, **Inspection Engineer**, **Reliability Engineer**, **Borescope Inspector**, **Project Engineer**, **Maintenance Engineer**, and **Senior Instructor/Trainer** for numerous multi-billion companies including the GASCO, GE (General Electric), Chevron Angola, TEMSAH and BEHERA Contribution Port Saied.

Mr. Moataz holds an **Executive Master's** degree in **Business Administration,** a **Bachelor's** degree in **Mechanical Engineering**, a **Post Graduate Diploma** in **Power Station** and a Diploma in Business Administration (**DBA**). Further, he is a **Certified Asset Reliability Practitioner** (**ARP-A**), a **Certified Vibration Specialist Level III**, a Certified Machinery Lubrication Level I (**ML-1**), a **Certified Infrared Thermography Level I**, a Maintenance Reliability Transformation (**MRT**) and a **Field Lubrication Category I** from the **Mobius Institute Board of Certification**. He has further delivered numerous trainings, courses, seminars, conferences and workshops internationally.

Course Date/Venue

Session(s)	Date	Venue
1	February 01-03, 2026	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
2	April 20-22, 2026	Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
3	August 09-11, 2026	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
4	October 12-14, 2026	Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

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.

Training Fee

US$ 3750 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Exam Fee

US$ 405 per Delegate + **VAT**.

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 workshop 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	***Getting Started*** *What is a Reliable Plant?*
0930 – 0945	*Break*
0945 – 1015	***What are the Benefits?***
1015 – 1100	***Introduction to implementation*** *Process Overview • Comparison of Strategies • The Asset Reliability Transformation [ART] Process • Asset Management and ISO 55000*

1100 – 1200	***Assessing the Value*** *Why Improve Reliability • Current Performance and Cost • Measuring Progress*
1200 – 1230	***Selling Senior Management*** *Selling the Benefits • Pilot Projects*
1230 – 1245	*Break*
1245 – 1330	***Strategy*** *Planning, Mission, Support, Mission Establishing the Team • The Asset Reliability Transformation® [ART] Process*
1330 – 1420	***Plantwide Engagement*** *Human Error and Psychology • Culture Change • Employee Feedback • The Brown-Paper Engagement Process*
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

0730 – 0830	***Getting Maintenance Under Control*** *Breaking out of the Reactive Maintenance Cycle of Doom*
0830 – 0930	***Defect Elimination*** *Design for Reliability • Value-Driven Procurement • Reliability-Focused Transport • Acceptance Testing*
0930 – 0945	*Break*
0945 – 1015	***Understanding Failure*** *What is Failure?*
1015 – 1115	***Asset strategy*** *Condition Based Maintenance (CBM), Run to Failure (RTF) • Getting Organized (Master Asset List, Bill of Material) • Developing a Strategy • Analyzing Reliability Data • Asset criticality Ranking • Preventative Maintenance Optimization (PMO) • Reliability Centered Maintenance (RCM) • Failure Modes Effects Analysis (FMEA) • Root Cause Failure Analysis (RCFA)*
1115 – 1200	***Work Management*** *Work Management Flow • Strategy Based Work and Work Requests • Establishing a Priority System • Processing Requests • Job Planning, Scheduling and Execution • Commissioning • Closeout and Feedback*
1200 – 1230	*Break*
1230 – 1330	***Spares Management*** *Databases • Access Control • Selection Process • Caring for Spares*
1330 – 1420	***Precision Work*** *Precision Installation, Alignment, Balancing, Fastening • Resonance Elimination • 5S in the Workshop*
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

0730 – 0830	***Proactive Asset Care*** *Precision Lubrication • Operations • 5S and the Visual Workplace*
0830 – 0930	***Condition Monitoring*** *Vibration Analysis • Ultrasound • Electric Motor Diagnostic Testing • Oil Analysis • Wear Particle Analysis • Infrared Analysis • Visual Inspections • Performance Monitoring • Non-Destructive Testing (NDT)*
0930 – 0945	*Break*
0945 – 1045	***Continuous Improvement*** *Key Performance Indicators (KPIs) • Review Program Strategy • Continual Education*
1045 – 1145	***MOCK Exam***
1145 – 1200	*Break*
1200 – 1400	***ARP-A Exam***
1400 – 1415	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Simulator (Hands-on Practical Sessions)

Practical sessions 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 state-of-the-art simulator "iLearnVibration".

iLearnVibration Simulator

Course Coordinator

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