COURSE OVERVIEW RE0137
Certified Maintenance Management Professional

Course Title
Certified Maintenance Management Professional

Course Date/Venue
July 12-16, 2026/TBA Meeting Room, Al Bandar Rotana Creek, Dubai, UAE

Course Reference
RE0137

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 maintenance professionals with the knowledge, skills, and best practices required to effectively manage maintenance functions, improve asset reliability, optimize maintenance costs and align maintenance activities with organizational objectives.

Further, the course will also discuss the maintenance management framework, maintenance policies and strategies and maintenance performance metrics; the asset management fundamentals, maintenance excellence and best practices; the maintenance planning, maintenance scheduling techniques and work order management; the backlog management and shutdown and turnaround planning and computerized maintenance management systems (CMMS); the reliability fundamentals, preventive maintenance (PM), predictive maintenance (PDM) and reliability-centered maintenance (RCM); and the root cause analysis (RCA), equipment reliability improvement and maintenance budgeting and cost control.

During this interactive course, participants will learn the spare parts and inventory management, maintenance procurement and contracts as well as human resource management in maintenance; the maintenance safety management, maintenance leadership and team development; the risk-based maintenance management, continuous improvement in maintenance and maintenance auditing and assessment; and the maintenance and operational excellence, digital transformation in maintenance and developing the maintenance improvement roadmap.

Course Objectives/Outcomes & Benefits for the Participants

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

- Get certified as a "*Certified Maintenance Management Professional*"
- Recognize maintenance management framework, maintenance policies and strategies and maintenance performance metrics
- Carryout asset management fundamentals, maintenance excellence and best practices
- Apply maintenance planning, maintenance scheduling techniques and work order management
- Employ backlog management and shutdown and turnaround planning as well as discuss computerized maintenance management systems (CMMS)
- Implement reliability fundamentals, preventive maintenance (PM), predictive maintenance (PDM) and reliability-centered maintenance (RCM)
- Apply root cause analysis (RCA), equipment reliability improvement and maintenance budgeting and cost control
- Carryout spare parts and inventory management, maintenance procurement and contracts as well as human resource management in maintenance
- Employ maintenance safety management, maintenance leadership and team development
- Illustrate risk-based maintenance management, continuous improvement in maintenance and maintenance auditing and assessment
- Apply maintenance and operational excellence, digital transformation in maintenance and developing the maintenance improvement roadmap

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 certified maintenance auditor for maintenance managers and maintenance supervisors, maintenance planners and schedulers, reliability and asset management engineers, maintenance and operations engineers, continuous improvement and operational excellence professionals, internal and external auditors involved in maintenance systems, quality assurance and compliance professionals, plant and facility managers, CMMS administrators and maintenance analysts.

Accommodation

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

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 Maintenance Management Professional*". 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-25

HTME No. 74851

Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
RE0137	Certified Maintenance Management Professional	Nov 10-14, 2025	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

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 **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 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.

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. Andrew Ladwig is a **Senior Mechanical & Maintenance Engineer** with over **25 years** of extensive experience within the **Oil & Gas**, **Refinery**, **Petrochemical & Power** industries. His expertise widely covers in the areas of **Maintenance Optimization & Best Practices**, **Process Plant Shutdown & Turnaround**, **Maintenance Auditing & Benchmarking**, **Reliability** Management, **Reliability Centered Maintenance Principles & Application**, **Efficient Shutdowns**, **Machinery Lubrication**, **Maintenance Planning & Scheduling**, **Coupling & Shaft Alignment** Techniques, **Maintenance Auditing & Benchmarking**, **Reliability** Management, **Reliability Centered Maintenance Principles & Application**, **Efficient Shutdowns**, **Machinery Lubrication**, **Maintenance Planning & Scheduling**, **Coupling & Shaft Alignment** Techniques, Reliability, Availability & Maintainability (**RAM**), **Root Cause** Analysis, **Maintenance** Process, **Reliability-Centered Maintenance** (**RCM**), **Reliability Engineering Analysis** (**RE**), of **Pump & Pumping Systems** Optimization, **Centrifugal & Reciprocating Pump** Installation & Repair, **Root Cause Analysis** (**RCA**), **Asset Integrity Management** (**AIM**), **Reactive & Proactive** Maintenance, **Pressure Safety Relief Valve** Repair & Recalibration, **PSV/PRV** Troubleshooting, **PRV** Testing & Repair, **Valve** Testing & Inspection, **Valve** Sealing, **Valve** Calibration, **Control Valves & Actuators**, **Boiler** Inspection & Maintenance, **Boiler** Systems, **Boiler** instrumentation & Controls, **Boiler** Start-up & Shutdown, **Boiler** Operation & Steam System Management, **Boiler** Water Chemistry & Treatment, **Boiler** Efficiency & Waste Heat Recovery, **Boiler** Inspection & Testing, **Boiler** Maintenance, **Boiler** Troubleshooting & Safety, **Boiler** Emissions & Pollution Control, **Combustion** Analysis & Tuning Procedures, **Water Treatment** Technology, Heat Recovery Steam Generating (**HRSG**), **Impulse Tube** Installation & Inspection, **Parker Compression Fittings**, **Pipes & Fittings**, **PSV Inspection**, **Root Cause Failure Analysis**, **Tank** Design & Engineering, **Tank Shell**, **Tanks & Tank Farms**, **Vacuum Tanks**, **Gas Turbine** Operating & Maintenance, **Reciprocating & Centrifugal Compressors**, **Screw Compressor**, **Compressor** Control & Protection, **Gas & Steam Turbines**, **Turbine** Operations, **Gas Turbine** Technology, **Valves**, **Process Control Valves**, **Bearings & Lubrication** and Advanced **Machinery Dynamics**.

During his career life, Mr. Ladwig has gained his practical experience through his various significant positions and dedication as the **Mechanical Engineer**, **Project Engineer**, **Reliability & Maintenance Engineer**, **Maintenance Support Engineer**, **Process Engineer**, **HSE Supervisor**, **Warehouse Manager**, **Quality Manager**, **Business Analyst**, **Senior Process Controller**, **Process Controller**, **Safety Officer**, **Mechanical Technician**, **Senior Lecturer** and **Senior Consultant/Trainer** for various companies such as the Sasol Ltd., Sasol Wax, Sasol Synfuels, just to name a few.

Mr. Ladwig has a **Bachelor's** degree in **Chemical Engineering** and a **Diploma** in **Mechanical Engineering**. Further, he is a **Certified Instructor/Trainer**, a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management** (**ILM**) and has delivered various trainings, workshops, seminars, courses and conferences internationally.

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.

Learning Design & Customization

This course can be customized to the exact requirements of clients. Haward Technology is so proud of our huge capabilities in tailoring our courses to the training needs of our valued clients.

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: ***Sunday, 12th of July 2026***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction to Maintenance Management*** *Evolution of Maintenance Practices • Role of Maintenance in Organizational Success • Maintenance Objectives and Performance Expectations • Characteristics of World-Class Maintenance Organizations*
0930 – 0945	*Break*
0945 – 1030	***Maintenance Management Framework*** *Maintenance Management Principles • Maintenance Organizational Structures • Roles and Responsibilities of Maintenance Personnel • Integration with Business Operations*
1030 – 1130	***Maintenance Policies & Strategies*** *Developing Maintenance Policies • Strategic Maintenance Planning • Aligning Maintenance with Business Goals • Maintenance Governance and Accountability*
1130 – 1215	***Maintenance Performance Metrics*** *Key Performance Indicators (KPIs) • Equipment Availability and Reliability Measures • Maintenance Cost Performance Indicators • Benchmarking and Performance Improvement*
1215 – 1230	*Break*
1230 – 1330	***Asset Management Fundamentals*** *Asset Lifecycle Management • Asset Criticality Assessment • Risk-Based Asset Management • Asset Value Optimization*

1330 – 1420	***Maintenance Excellence & Best Practices*** *Characteristics of High-Performing Maintenance Organizations • Continuous Improvement Methodologies • Maintenance Maturity Assessment • Developing a Culture of Excellence*
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, 13th of July 2026***

0730 – 0830	***Maintenance Planning Fundamentals*** *Purpose and Benefits of Maintenance Planning • Job Planning Process • Estimating Labor and Material Requirements • Developing Job Plans and Procedures*
0830 – 0930	***Maintenance Scheduling Techniques*** *Scheduling Principles and Objectives • Weekly and Daily Scheduling Processes • Resource Leveling and Allocation • Schedule Compliance Measurement*
0930 – 0945	*Break*
0945 – 1100	***Work Order Management*** *Work Request Initiation and Approval • Work Order Prioritization • Work Order Execution and Closure • Documentation and History Management*
1100 – 1215	***Backlog Management*** *Understanding Maintenance Backlog • Backlog Categorization and Prioritization • Backlog Performance Indicators • Strategies for Backlog Reduction*
1215 – 1230	*Break*
1230 – 1330	***Shutdown & Turnaround Planning*** *Shutdown Planning Methodology • Resource Coordination • Risk Management During Shutdowns • Post-Shutdown Evaluation*
1330 – 1420	***Computerized Maintenance Management Systems (CMMS)*** *CMMS Functions and Capabilities • Work Management Using CMMS • Data Quality and System Utilization • CMMS Performance Reporting*
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, 14th of July 2026***

0730 – 0830	***Reliability Fundamentals*** *Reliability Concepts and Terminology • Failure Patterns and Characteristics • Reliability Engineering Principles • Reliability-Centered Culture*
0830 – 0930	***Preventive Maintenance (PM)*** *PM Program Development • Time-Based Maintenance Strategies • Task Selection and Optimization • PM Effectiveness Evaluation*
0930 – 0945	*Break*
0945 – 1100	***Predictive Maintenance (PdM)*** *Condition Monitoring Principles • Vibration Analysis Fundamentals • Thermography and Oil Analysis • Predictive Maintenance Technologies*

1100 – 1215	***Reliability-Centered Maintenance (RCM)*** *RCM Methodology Overview • Functional Failure Analysis • Failure Modes and Effects Analysis (FMEA) • Maintenance Task Selection*
1215 – 1230	*Break*
1230 – 1330	***Root Cause Analysis (RCA)*** *Problem-Solving Methodologies • Failure Investigation Process • Root Cause Identification Techniques • Corrective Action Implementation*
1330 – 1420	***Equipment Reliability Improvement*** *Reliability Improvement Initiatives • Defect Elimination Programs • Equipment Performance Optimization • Reliability Performance Measuremen*
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, 15th of July 2026***

0730 – 0830	***Maintenance Budgeting & Cost Control*** *Maintenance Cost Categories • Budget Development Process • Cost Monitoring and Reporting • Cost Optimization Strategies*
0830 – 0930	***Spare Parts & Inventory Management*** *Inventory Classification Techniques • Critical Spare Parts Identification • Inventory Optimization Methods • Spare Parts Lifecycle Management*
0930 – 0945	*Break*
0945 – 1100	***Maintenance Procurement & Contracts*** *Procurement Processes for Maintenance • Contractor Selection and Evaluation • Service-Level Agreements (SLAs) • Contract Performance Management*
1100 – 1215	***Human Resource Management in Maintenance*** *Workforce Planning • Competency Assessment and Development • Training and Certification Programs • Succession Planning*
1215 – 1230	*Break*
1230 – 1330	***Maintenance Safety Management*** *Safety Regulations and Compliance • Permit-to-Work Systems • Hazard Identification and Risk Assessment • Incident Prevention and Reporting*
1330 – 1420	***Maintenance Leadership & Team Development*** *Leadership Styles in Maintenance • Team Motivation and Engagement • Communication and Conflict Management • Building High-Performance Teams*
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, 16th of July 2026
0730 – 0830	***Risk-Based Maintenance Management*** *Risk Assessment Methodologies • Equipment Criticality Ranking • Risk Mitigation Strategies • Risk-Based Decision Making*
0830 – 0930	***Continuous Improvement in Maintenance*** *Lean Maintenance Principles • Kaizen and Continuous Improvement Tools • Waste Identification and Elimination • Sustaining Improvement Initiatives*
0930 – 0945	*Break*
0945 – 1030	***Maintenance Auditing & Assessment*** *Maintenance Audit Frameworks • Performance Gap Analysis • Compliance Assessment • Audit Reporting and Action Planning*
1030 – 1130	***Maintenance & Operational Excellence*** *Maintenance Excellence Models • Integration with Operational Excellence • Best Practice Implementation • Excellence Roadmap Development*
1130 – 1215	***Digital Transformation in Maintenance*** *Industry 4.0 Applications • Smart Maintenance Technologies • Industrial Internet of Things (IIoT) • Data Analytics and Decision Support*
1215 – 1230	*Break*
1230 – 1300	***Developing the Maintenance Improvement Roadmap*** *Current-State Assessment • Future-State Vision Development • Improvement Project Prioritization • Action Plan and Implementation Strategy*
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*

Course Learning Outcomes

Upon successful completion of course, participants will be able to:

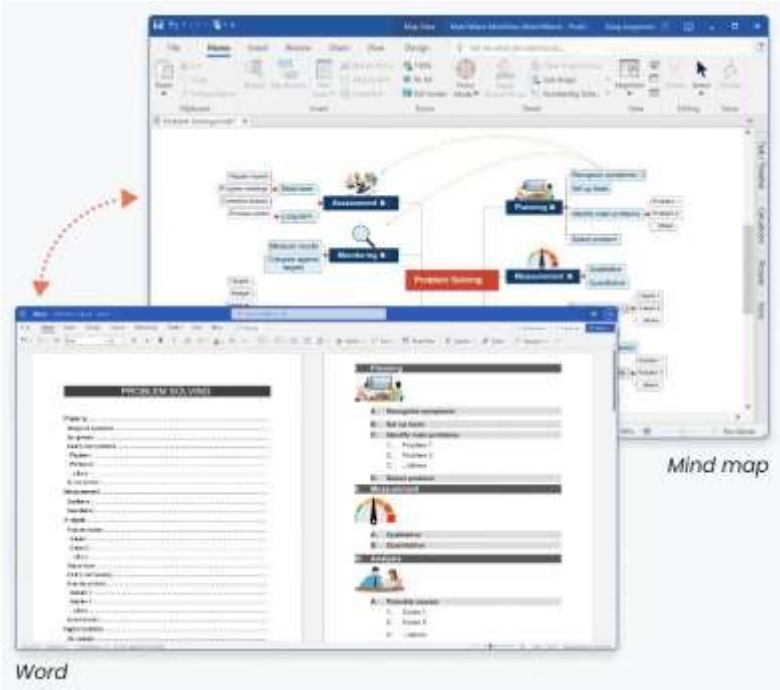
- Develop and implement effective maintenance management strategies
- Improve equipment reliability and asset performance
- Establish robust planning and scheduling systems
- Optimize maintenance costs and resource utilization
- Apply reliability-centered and risk-based maintenance approaches
- Utilize maintenance KPIs and performance measurement systems
- Manage spare parts, contractors, and maintenance budgets effectively
- Lead maintenance teams toward operational excellence and continuous improvement
- Implement modern digital maintenance technologies and best practices.
- Create sustainable maintenance improvement roadmaps aligned with business objectives

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 “MS Project” and “Mindview Software”.

Microsoft Office Project

Enterprise Project Management Solution



Mindview Software

Course Coordinator

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