

COURSE OVERVIEW RE0082(AL4)
Maintenance Best Practices for Supervisors

Course Title

Maintenance Best Practices for Supervisors

Course Date/Venue

July 14-18, 2024/Boardroom 1, Elite Byblos
 Hotel Al Barsha, Sheikh Zayed Road, Dubai,
 UAE

Course Reference

RE0082(AL4)

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



Course Description



This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.



Effective Maintenance Management is paramount to business success and probably the only business process that is fully controllable at site level. This course has been designed to benefit both qualified new professionals as well as experienced professionals who might need to refresh their skills. It covers the fundamentals of maintenance management best practice required to ensure that plant and equipment is reliable and cost-effectively maintained.



This course is designed to provide participants with an up-to-date knowledge and skills on maintenance best practices for supervisors. It covers the key maintenance indicators and the use of balance scorecard for maintenance including mobilizing and aligning the organization, managing with measures, using BSC as a tool for improvements and reporting and managing with BSC; the reliability based maintenance; the lean total productive maintenance (TPM); and the basic principle of operator maintenance.

Course Objectives

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

- Apply and gain a comprehensive knowledge on maintenance best practices
- Identify the key maintenance indicators and use balance scorecard for maintenance including mobilizing and aligning the organization, managing with measures, using BSC as a tool for improvements and reporting and managing with BSC
- Employ reliability based maintenance
- Interpret the lean total productive maintenance (TPM) and carryout the basic principle of operator maintenance

Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Howard 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 provides an overview of all significant aspects and considerations of maintenance best practices for supervisors for maintenance supervisors.

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 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.



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ISO 9001:2015 Certified

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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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. Pete Du Plessis is a **Senior Mechanical & Maintenance Engineer** with over **30 years** of practical experience within the **Oil, Gas** and **Petrochemical** industries. His expertise includes **Reliability Management, Reliability Design Techniques, Reliability Modelling, Reliability Techniques, Advanced Root Causes Analysis & Techniques, Creative Problem Solving & Failure Analysis Methodologies, Plant & Equipment Specification & Functions, Cost**

Effective Procedures, Dynamics of Machines, Reliability, Maintenance, Integrity & Inspection, Maintenance Management, Maintenance Planning, Shutdown & Turnaround, Mechanical Troubleshooting, Preventive & Predictive Maintenance, Condition Monitoring, Start-up & Commissioning, Process Plant Commissioning, Cost Estimation, Dynamic Hydraulic Testing, COSHH, P&ID Reading, Engineering Drawings, Piping & Instrumentation Diagrams, Isometrics Drafting, Control & Safety Systems, PFD, Process Safety, Process Troubleshooting & Problem Solving, Process Hazard Analysis (PHA), Pumps, Compressors, Bearings, Lubrication, Process Safety Management, Risk Assessment within Production Operation, **Hazard Identification, Safety Auditing, Site Inspection, Quantified Risk Assessment, HAZOP Studies & Leadership, FMEA, Waste Management, Industrial Effluents, Hazardous Material, Chemical Handling, Emergency Response Services, HAZCOM, HAZWOPER, HAZMAT, Environmental Management (ISO 14001), Safety Management (OHSAS 18001) and Quality Management (ISO 9001).**

While Mr. Du Plessis has been very active in the process industry he has likewise headed Consultancy projects for major **petrochemical companies**. In all his projects, he utilizes a systems approach which includes **risk management, process safety, health & environmental management, human behaviour and quality management**. Furthermore, he has come to share his expertise through the **numerous international trainings** he has held on **PHA, HAZOP, Risk Assessment, Handling Hazardous Materials & Chemicals, Petroleum Products Handling & Transportation**. Moreover, he completed various assignments as a consultant, trainer, facilitator, auditor & designer and conducted numerous licensed international Safety, Technology and Auditing Awareness & Implementing training courses including **IMS, ISO 9001, ISO 14001, ISO 27001, ISO 17799, OHSAS 18001** audits & assessments. With his accomplishments and achievements, he had been a **Safety Superintendent, Senior Safety Official and Senior Process Controller** for several international petrochemical companies.

Mr. Plessis has **Bachelor** degree with **Honours** in **Industrial Engineering & Management**. Further, he has gained **Diploma in Quality & Production Management**. He is also a **Certified Assessor & Moderator** with the Manufacturing, Engineering & Related Services Education and Training Authority (MERSETA), a **Certified Trainer/Assessor** by the **Institute of Leadership & Management (ILM)** and a **Certified Instructor/Trainer** by the APICS. He has further delivered numerous trainings, courses, seminars, conferences and workshops internationally.

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 14th of July 2024

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0930	Key Maintenance Indicators and Balance Scorecard for Maintenance
0930 – 0945	Break
0945 – 1100	Introducing Balance Scorecard
1100 – 1230	Mobilize Organization
1230 – 1245	Break
1245 – 1420	Mobilize Organization (cont'd)
1420 - 1430	Recap
1430	Lunch & End of Day One

Day 2 Monday 15th of July 2024

0730 – 0900	BSC as a Tool for Improvements
0900 – 0915	Break
0915 – 1100	BSC as a Tool for Improvements (cont'd)
1100 – 1230	Align the Organization
1230 – 1245	Break
1245 – 1420	Align the Organization (cont'd)
1420 - 1430	Recap
1430	Lunch & End of Day Two

Day 3 Tuesday 16th of July 2024

0730 – 0900	Managing the Measures
0900 – 0915	Break
0915 – 1100	Managing the Measures (cont'd)
1100 – 1230	Reporting and Managing with BSC
1230 – 1245	Break
1245 – 1420	Reporting and Managing with BSC (cont'd)
1420 - 1430	Recap
1430	Lunch & End of Day Three

Day 4 Wednesday 17th of July 2024

0730 – 0900	Reliability Based Maintenance
0900 – 0915	Break
0915 – 1100	Lean Total Productive Maintenance
1100 – 1230	Lean Total Productive Maintenance (cont'd)
1230 – 1245	Break
1245 – 1420	What is TPM?
1420 - 1430	Recap
1430	Lunch & End of Day Four



Day 5 Thursday 18th of July 2024

0730 – 0930	<i>Efficient Safe Workplace</i>
0930 – 0945	<i>Break</i>
0945 – 1100	<i>Efficient Safe Workplace (cont'd)</i>
1100 – 1215	<i>Basic Principle of Operator Maintenance</i>
1215 – 1230	<i>Break</i>
1230 – 1345	<i>Basic Principle of Operator Maintenance (cont'd)</i>
1345 – 1400	<i>Course Conclusion</i>
1400 – 1415	POST-TEST
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch & End of Course</i>

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-



Course Coordinator

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