COURSE OVERVIEW RE0946
Material Handling, Control and Spare Parts Movements

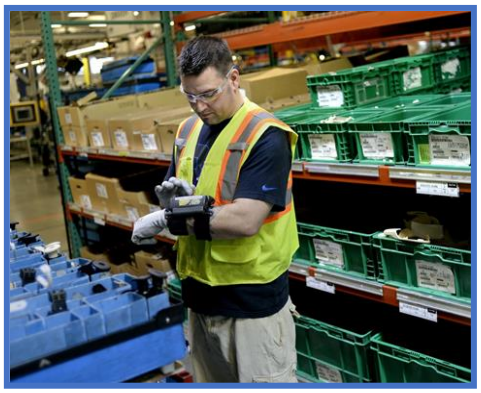
Course Title
Material Handling, Control and Spare Parts Movements

Course Date/Venue
February 11-15, 2024/The Mouna Meeting Room, The H Dubai Hotel, Sheikh Zayed Rd - Trade Centre, Dubai, UAE

Course Reference
RE0946

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.

When asked to describe the largest issue they face in organizing maintenance work, many planners, engineers and supervisors reply "Finding materials and getting them to the right place at the right time". Spare Parts and materials are a large part of any plant's costs and not having the right materials in the right place at the right time is a common cause of productivity loss and reduced reliability.

This course has been designed to challenge, motivate and educate participants in reliability based spare parts and materials management. The course is based on Results Oriented Reliability & Maintenance philosophy which emphasizes achieving results through people, execution and common sense.

The course provides real solutions to maintenance storeroom management problems. Management team from the maintenance storeroom, purchasing and IT must attend this powerful and practical course. They will take away tools and knowledge to dramatically improve their spare parts and materials management.

With the knowledge from this course, participants will specifically be able to increase plant reliability, improve their productivity, streamline their materials management business processes, reduce costs and reduce maintenance storeroom spare parts and materials inventory.

Course Objectives

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

- Gain in-depth knowledge on maintenance material/inventory management and identify benefits of good maintenance materials management
- Apply integration of maintenance materials management and reliability management and define inventory management basics including stock activity graphs, Economic Order Quantity (EOQ), dual re-order points, physical storage & return-to-stores
- Select proper equipment for maintenance material/inventory management and analyze the factors of the decision stock/don't stock
- Describe anti-friction bearings, recognize plant standards and list the spare parts
- Analyze interchangeability and prevent obsolete and surplus stock
- Identify inventory and manage work kits and delivery systems

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, 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 inventory, spare parts and materials management for maintenance and project personnel such as project managers, maintenance managers, project engineers, plant engineers, maintenance engineers, senior buyers, purchasing managers, storeroom managers, store keepers, CMMS professionals, maintenance planners, maintenance supervisors, IT professionals, operations managers, and manufacturing managers.

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:-

- 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 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. Ahmed Mady is a **Senior Mechanical & Maintenance Engineer** with over **40 years** of practical experience. His experience covers **Reliability Maintenance** Management, **Maintenance Planning & Scheduling**, **Shutdown & Turnaround, Spareparts & Inventory** Management, **Pump Selection, Installation, Performance & Control**, **Pump & Valve** Operation, Control, Maintenance & Troubleshooting, **Aviation Fueling Operations**, **Pumps, Compressors & Turbines** Selection, Operation, **Heat Exchanger** Design, Operation, Performance, Inspection, Maintenance & Repair, **Steam Boilers** Operation, Maintenance and Control System, **Heat Exchangers** Operations, Maintenance & Troubleshooting, **Water Tanks Filling Station** Operation, **Water Pipes Inspection & Repair**, **Water Treatment** Technology, **RO Plants**, **MSF Plants**, Industrial **Water Treatment**, **Piping System**, **Water Filtering**, **Pump** Selection, Installation, Performance & Control, **Compressors & Turbines** Selection & Operation, **Heat Exchangers** Design & Selection, **TEMA & ASME** Section VIII Requirements, **Steam Boilers** Operation & Maintenance, **Valve** Operation & Troubleshooting, **Aviation Fueling** Operations, **Maintenance** Management, **Reliability** Engineering, Maintenance **Auditing**, **Reliability Centered Maintenance**, Maintenance **Benchmarking**, Maintenance **Planning**, **Root Cause Failure Analysis**, **Lubrication** Technology, **Cost Control & Performance** Improvement.

Mr. Ahmed has travelled all over **Europe**, **Asia** and the **Americas** joining numerous conferences and workshops with international companies such as **IBM**, System Science Corporation (**SSC**) and International Air Transport Association (**IATA**).

Earlier in his career, he had occupied several challenging roles with several large Logistics and maintenance companies as a **Maintenance Manager**, **Maintenance Engineer**, **Logistics Planning Branch Chief**, **Commander** of the Air Force Logistics, **Systems Analyst**, **Training Branch Chief**, **Systems & Communication Engineer** and **Computer Programmer**.

Mr. Ahmed has a **Bachelor's** degree in **Mechanical Engineering** and a **Certified Trainer/Instructor**. Further, he has gained **Diplomas** on **Civil Aviation Engineering**, **Islamic Studies** and **Information Systems & Technology**. Moreover, he is a **Certified Internal Verifier** by **City & Guilds Level 4 Certificate** in **Leading the Internal Quality Assurance of Assessment Processes & Practice** under the **IQA Qualification** (**Internal Quality Assurance**) and a **Certified Assessor** by **City & Guilds Level 3 Certificate** in **Assessing Vocational Achievement** under the **TAQA Qualification** (**Training**, **Assessment & Quality Assurance**) and a **Certified Trainer/Assurance/Internal Verifier** of the **British Institute** of **Leadership & Management** (**ILM**), **UK**. Further, he has delivered numerous trainings, workshops and conferences and projects worldwide.

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:	***Sunday, 11th of February 2024***
0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction*** *Organizing for Effective Maintenance Materials Management • Business Processes • Materials Management Business Processes • Continuous Improvement • Buyers vs. Maintenance Planners • Maintenance Materials Management is Different • Maintenance Materials Data Management*
0930 – 0945	*Break*
0945 – 1100	***Benefits of Good Maintenance Materials Management***
1100 – 1215	***Alignment of Objectives***
1215 – 1230	*Break*
1230 – 1420	***Integration of Maintenance Materials Management & Reliability Management***
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2:	***Monday, 12th of February 2024***
0730 – 0930	***Inventory Management Basics*** *Stock Activity Graphs • Economic Order Quantity (EOQ) • Dual Re-Order Points • Inventory Automation Examples • Open or Closed Storeroom? • Physical Storage • Return-to-Stores*
0930 – 0945	*Break*
0945 – 1100	***Integration of Maintenance Materials Information***
1100 – 1215	***Integrated Non-Stock Catalog***
1215 – 1230	*Break*
1230 – 1420	***Database Principles***
1420 – 1430	***Recap***
1330 - 1430	***Equipment Selection***
1430	*Lunch & End of Day Two*

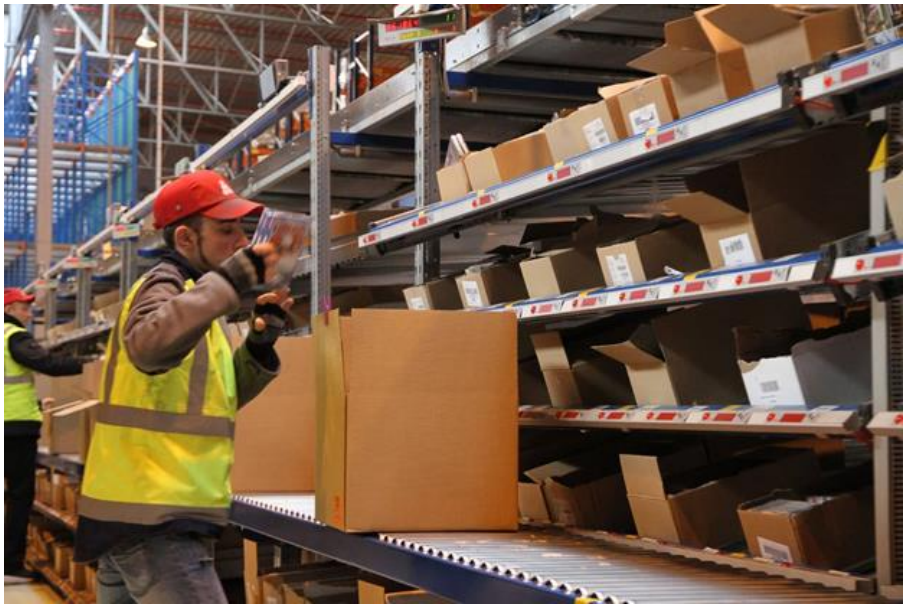
Day 3:	***Tuesday, 13th of February 2024***
0730 – 0930	***To Stock or Not to Stock?*** *Stock/Don't Stock Decision Factors • If it's Stocked, then How Many? • New Stock Request • Management of New Stock*
0930 – 0945	*Break*
0945 – 1100	***Anti-Friction Bearings***
1100 – 1215	***Plant Standards***
1215 – 1230	*Break*
1230 – 1420	***Spare Parts Lists*** *Plant Hierarchy • Preparation and Maintenance of Parts Lists • Parts List Standard*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4:	***Wednesday, 14th of February 2024***
0730 – 0930	***Interchangeability***
0930 – 0945	*Break*
0945 – 1100	***Using Non-OEM Parts***
1100 – 1215	***Obsolete and Surplus Stock***
1215 – 1230	*Break*
1230 – 1420	***Repair-&-Return Management***
1420 – 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5:	***Thursday, 15th of February 2024***
0730 – 0830	***Inventory Value***
0830 - 0930	***Work Kits & Delivery Systems***
0930 – 0945	*Break*
0945 – 1100	***Other Storeroom Services***
1100 – 1215	***Summary of CMMS Requirements***
1215 – 1230	*Break*
1230 – 1350	***Some Other Possibilities*** *Outsourcing of Materials Management • Centralized Warehousing for Multiple Plants • Sharing of Materials among Multiple Plants*
1350 – 1400	***POST-TEST***
1400 – 1415	***Course Conclusion***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

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



Course Coordinator

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