



**Asia Masters Center**

## Computerized maintenance management





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### ➔ Course Objective

- To provide a step-by-step guide to maintenance best practice starting with foundations and building up to best practice that will deliver maximum business benefits
- To instruct Maintenance optimisation best practice techniques
- To provide opportunities to discuss the application of these best practices
- Provide an opportunity to learn these concepts through practical exercises

### ➔ Target Audience

- Engineering
- Technical support staff including
- Leadership
- management attend this workshop.
- If you and your company are interested in greatly increasing productivity, this will be a very valuable course



## Course Outline

### ➤ **Day 1**

#### ➤ **An Overview of Key Maintenance Work Processes**

- Introduction to Maintenance Management
- Definitions of key terms
- Types of Maintenance - Reactive, planned and improvement jobs, Preventive and Proactive
- Maintenance Planning and Scheduling
- Computerised Maintenance Management Systems
- Developing Maintenance Key Performance Indicators
- Maintenance Organisation Structure and Policies
- Developing and Implementing a Preventive Maintenance Program
- Applying Reliability Based principles to Maintenance Strategy Development

### ➤ **Day 2**

#### ➤ **Maintenance Logistics and Cost Control**

- Managing Maintenance Spare Parts and Logistics
- Optimising Spare Parts Inventory Levels
- Maintenance Budgeting
- Controlling Maintenance Costs
- Introduction to Life Cycle Cost Concepts
- Engineering, Production & Maintenance Teams
- Benefits of Integrated teams
- Motivation and empowerment
- Total Productive Maintenance Concepts
- Implementing Team Based Continuous Improvement in Maintenance



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### ➤ Day 3

#### ➤ **Failure of Machines and Inspection Based Failure Analysis - Causes of Machinery Failure in Rotating Equipment**

- Cavitation in Pumps
- Tripping of Turbines
- Surging in Compressors
- Wear Mechanisms: Fatigue, Fretting, and Corrosion
- Fundamental Machine Problems: Balance Problems, Alignment Problems, Machinery Mounting Problems
- Fundamentals of Maintenance and Asset Management

### ➤ Day 4

#### ➤ **Failure Analysis and Reliability**

- Elementary Statistics and Standards
- Reliability Models
- Learning from Major Failures Case Studies in Process Industries
- Learning from Major Failures Case Studies in Oil and Gas Industries
- Root Cause Analysis and Extractions of Specific and Generic Lessons
- Reflection on Why Systems Fail



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- **Day 5**
- **Statistical Failure Analysis and Reliability**
- Further Reliability Definitions and Standards
- Examples of the Planning Process.
- Hazard Function and Bath Tub Curve
- Weibull Analysis
- Case Studies from Rotating Equipment
- Case Studies of Major Failures in other Industries
- General Purpose CBM
- The P-F Curve
- Principles of Vibration Monitoring
- Thermal Monitoring
- Acoustic Emission
- Lubricant Monitoring

### ➤ **The Feature Of Asia Master Training And Development Center**

- we pick up the customer from the airport to the hotel.
- we give the participant training bag includes all the necessary tools for the course.
- Working within groups to achieve the best results.
- All our courses are confirmed and we do not postpone or cancel the courses regardless of the number of participants in the course.
- We can assist you in booking hotels at discounted prices if you wish to book through us.
- We offer the certificate from Asia Masters Center for Training and Administrative Development.

### ➔ **The Cost Of The Training Program Includes The Following:**

- 1) Scientific article on flash memory.
- 2) Training Room.
- 3) Training.
- 4) Coffee break.



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5) The training bag includes all the tools for the course.

### Price (USD)

Communicate with the training department  
to know the participation fees

➤ **There are offers and discounts for groups**

### The details of the bank account

Bank name: CIMB Bank Berhad

Account name: Asia Masters Center SDN. BHD

Bank account number: 80-0733590-5

Swift code: CIBBMYKL

IBAN: Null



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