



Asia Masters Center

Maintenance & Reliability Best Practices



Maintenance & Reliability Best Practices

➔ Course Objective

- Understand the concepts of costs, capital, profit and ROI
- Understand the cost impact of unanticipated failure
- Apply proactive policies to reduce future maintenance costs
- Structure and analyse failure data to reduce repetitive failures
- Identify root causes of unanticipated failure costs
- Reduce resource costs through efficient work management practices

➔ Target Audience

- Planners
- Supervisors
- Engineers
- Reliability Engineers
- Maintenance Team Leaders and Managers
- Operations Team Leaders and Managers

➔ Course Outline

➤ **DAY 1**

➤ **Equipment Life-cycle Cost Introduction**

- Definitions of Reliability, Maintenance & Asset Management
- The Concept of Costs, Capital, Profits and Return On Investment
- The 'Asset Healthcare Model'
- Key Areas of Asset Management
- Open Discussion Sessions

➤ **DAY 2**

➤ **Cost Factors and Causes**

- The Real Cost of Unanticipated Failure
- Asset Performance Standards
- The Forms of Asset Failure and Degradation
- The Causes and Nature of Asset Failure and Degradation
- The Effects, Cost and Risks of Asset Degradation
- Practical Application and Discussion of Case Study

➤ **DAY 3**

➤ **Breaking the Cycle of Degradation and Costs**

- Programmed Maintenance
- Programmed Maintenance Intervals
- Condition-based Maintenance Intervals
- Implementing Optimised PM Programs
- Optimizing spares to support the Maintenance Program
- Practical Application and Discussion of Case Study

➤ **DAY 4**

➤ **Cost Reduction through Defect Elimination**

- Failure Data Collection and Analysis
- The Impact of Chronic Failures vs. Intermittent Failures
- Focus improvement through Pareto Analysis

- Quantify losses in Life Cycle Terms
- Rigorous Root Cause Analysis Techniques
- Root Cause Analysis Case Study
- Discussion of Software and Templates to Support Analysis
- **DAY 5**
- **Work Management converts Strategy to Practice**
- Work Identification and Defect Reporting
- The Importance of Backlog
- Planning for Quality and Reliability
- Capacity Planning
- Scheduling for Efficiency
- Work Logistics and Preparation
- Checklists and Practical Aspects Work Quality Control
- Final Discussion and Evaluation

➤ **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.
- 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