MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

IMPLEMENTATION OF BEST PRACTICES IN ENGINEERING MAINTENANCE PROGRAMS

"Build World-Class Maintenance Programs That Drive Asset Performance and Operational Excellence."

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

This course is designed to equip maintenance and reliability professionals with the knowledge and tools to develop and implement best-in-class maintenance strategies and systems. Participants will learn how to transition from reactive maintenance to proactive and predictive models using industry-proven practices. The program covers topics such as maintenance planning, preventive maintenance (PM), condition-based maintenance (CBM), reliability-centered maintenance (RCM), total productive maintenance (TPM), and key performance indicators (KPIs) for sustainable success.

Objectives

By the end of this course, participants will be able to:

- Apply internationally recognized best practices in engineering maintenance
- Develop and implement structured preventive and predictive maintenance strategies
- Improve asset reliability and reduce maintenance costs
- Utilize tools like RCM, CBM, and TPM to enhance maintenance efficiency
- Monitor, measure, and optimize maintenance performance using KPIs

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Why Attend

Effective maintenance is vital for operational reliability, safety, and cost control. This course delivers the methodologies and tools needed to transform maintenance programs into value-adding business systems aligned with ISO 55000 asset management standards.

Target Audience

- Maintenance Managers, Engineers & Supervisors
- Reliability and Asset Integrity Engineers
- Plant and Operations Managers
- Maintenance Planners and Schedulers
- Industrial Engineers and Maintenance Consultants

Individual Benefits

- Gain expertise in designing and improving maintenance programs
- Learn to prevent failures and extend equipment life
- Enhance problem-solving and decision-making capabilities
- Boost your career with recognized skills in maintenance excellence

Organizational Benefits

- Reduce equipment downtime and maintenance costs
- Improve plant reliability, safety, and availability
- Optimize maintenance planning and spare parts management
- Establish performance metrics that drive continuous improvement

Instructional Methodology

- Case-based lectures and group discussions
- Industry examples from power, manufacturing, oil & gas, and utilities
- Hands-on exercises in planning, KPI analysis, and reliability modeling
- Maintenance strategy workshops and self-assessment tools
- Daily quizzes and action-planning sessions

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Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of Maintenance Excellence

- Module 1: Introduction to Maintenance Strategies – Reactive to Predictive (07:30 – 09:30)
- Module 2: Elements of a World-Class Maintenance System (09:45 – 11:15)
- Module 3: Organizational Structure and Roles in Maintenance (11:30 – 01:00)
- Module 4: Aligning Maintenance with Asset Management Goals (02:00 – 03:30)

Day 2: Maintenance Planning and Scheduling

- Module 1: Maintenance Planning Processes and Best Practices (07:30 – 09:30)
- Module 2: Job Plans, Work Orders, and Task Standardization (09:45 – 11:15)
- Module 3: Weekly and Daily Scheduling Techniques (11:30 – 01:00)
- Module 4: Backlog Management and Resource Allocation (02:00 – 03:30)

Day 3: Preventive and Predictive Maintenance Strategies

- Module 1: Preventive Maintenance – Risk-Based and Time-Based (07:30 – 09:30)
- Module 2: Predictive Maintenance – Vibration, Thermography, Oil Analysis (09:45 – 11:15)
- Module 3: Condition Monitoring and CBM Implementation (11:30 – 01:00)
- Module 4: Integrating Inspection, Lubrication, and PdM Tools (02:00 – 03:30)

Day 4: Reliability and Continuous Improvement Tools

- Module 1: Introduction to RCM and FMEA Techniques (07:30 – 09:30)
- Module 2: Total Productive Maintenance (TPM) and Operator Care (09:45 – 11:15)
- Module 3: Root Cause Analysis (RCA) and Defect Elimination (11:30 – 01:00)
- Module 4: CMMS and Digital Maintenance Tools (02:00 – 03:30)

Day 5: Performance Management and Optimization

- Module 1: Maintenance KPIs and Performance Dashboards (07:30 – 09:30)
- Module 2: Cost Control and Lifecycle Cost Analysis (09:45 – 11:15)
- Module 3: Benchmarking, Auditing, and Strategy Review (11:30 – 01:00)
- Module 4: Final Exam, Action Planning, and Certification Wrap-Up (02:00 – 03:30)

Certification

Participants will receive a Certificate of Completion – Implementation of Best Practices in Engineering Maintenance Programs after completing the course and passing the final assessment. This certification affirms their capability to implement maintenance strategies aligned with global standards for operational excellence.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

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In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**