MAWA EVENTS

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

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

PREVENTIVE AND PREDICTIVE MAINTENANCE MANAGEMENT

"Optimize Asset Reliability Through Proactive Maintenance Strategies"

Schedule

Date	Venue	Fees (Face-to-Face)
17 – 18 May 2026	Doha, Qatar	USD 1995 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Effective maintenance management is essential for maximizing asset reliability, reducing downtime, and controlling operational costs. Preventive and predictive maintenance approaches enable organizations to shift from reactive repairs to proactive asset care, improving performance and extending equipment life. This intensive 2-day training provides participants with practical knowledge and tools to design and implement effective preventive and predictive maintenance programs.

The course covers maintenance planning, condition monitoring techniques, data-driven decision-making, and performance measurement. Through real-world examples and hands-on discussions, participants will gain the skills needed to improve maintenance effectiveness and support operational excellence.

Objectives

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

- Understand the principles of preventive and predictive maintenance
- Develop structured preventive maintenance plans and schedules
- Apply predictive maintenance and condition monitoring techniques
- Analyze maintenance data to support decision-making
- Improve equipment reliability and availability
- Measure and optimize maintenance performance

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Why Attend

- Reduce unplanned downtime and maintenance costs
- Improve asset reliability and operational efficiency
- Shift from reactive to proactive maintenance practices
- Enhance maintenance planning and scheduling skills
- Learn industry best practices and modern maintenance approaches

Target Audience

This program is designed for:

- Maintenance managers and supervisors
- Reliability engineers and asset managers
- Plant and facility engineers
- Maintenance planners and technicians
- Operations professionals involved in asset management

Individual Benefits

Key competencies that will be developed include:

- Knowledge of preventive and predictive maintenance strategies
- Skills in maintenance planning, scheduling, and optimization
- Ability to apply condition monitoring tools and techniques
- Competence in maintenance data analysis and KPIs
- Improved problem-solving and decision-making skills
- Enhanced professional capability in maintenance management

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved asset reliability and availability
- Reduced maintenance costs and equipment failures
- Enhanced maintenance planning and resource utilization
- Improved safety and operational performance
- Data-driven maintenance decision-making
- Stronger maintenance and reliability culture

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Maintenance management principles and reliability concepts
- Case Studies – Real-world preventive and predictive maintenance applications
- Workshops – Maintenance planning, KPI development, and analysis exercises
- Peer Exchange – Group discussions on maintenance challenges and solutions
- Tools – Maintenance schedules, checklists, KPI dashboards, and templates

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Course Outline

Detailed 2-Day Course Outline

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: Preventive Maintenance Fundamentals

Module 1: Maintenance Strategies and Asset Reliability (07:30 – 09:30)

- Maintenance philosophies and lifecycle management
- Reactive vs preventive vs predictive maintenance
- Reliability-centered maintenance concepts

Module 2: Preventive Maintenance Planning and Scheduling (09:45 – 11:15)

- Developing preventive maintenance plans
- Task analysis and frequency optimization
- Resource planning and scheduling

Module 3: Maintenance Performance Measurement (11:30 – 01:00)

- Maintenance KPIs and performance indicators
- MTBF, MTTR, and OEE
- Continuous improvement in maintenance

Day 2: Predictive Maintenance and Optimization

Module 4: Predictive Maintenance and Condition Monitoring (07:30 – 09:30)

- Vibration analysis, thermography, oil analysis
- Condition-based maintenance techniques
- Data collection and interpretation

Module 5: Maintenance Data Analysis and Decision-Making (09:45 – 11:15)

- Using CMMS and maintenance data
- Failure analysis and root cause analysis
- Maintenance optimization strategies

Module 6: Case Studies, Workshops, and Action Planning (11:30 – 01:00)

- Real-world maintenance improvement cases
- Group workshop on maintenance strategy development
- Personal and organizational action plans

Certification

Participants will receive a Certificate of Completion in Preventive and Predictive Maintenance Management, validating their knowledge of proactive maintenance strategies, reliability improvement techniques, and best practices in modern maintenance management.

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**