MAWA EVENTS

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

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

MAINTENANCE & RELIABILITY MANAGEMENT SYSTEM

"Optimize Maintenance Processes and Maximize Asset Reliability for Operational Excellence"

Schedule

Date	Venue	Duration	Fees (Face-to-Face)
05 – 09 Apr 2026	Riyadh, KSA	5 Days	USD 3495 per delegate

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

Introduction

Maintenance and reliability are critical components of operational efficiency, safety, and cost management in any industrial setting. An effective Maintenance & Reliability Management System ensures that assets perform reliably, downtime is minimized, and organizational objectives are met.

This intensive 5-day training provides participants with in-depth knowledge and practical skills to implement a robust maintenance and reliability management system. The program covers strategies, methodologies, and tools to enhance asset reliability, optimize maintenance processes, and support organizational performance.

Objectives

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

- Understand the principles and components of a Maintenance & Reliability Management System (MRMS)
- Implement preventive, predictive, and reliability-centered maintenance strategies
- Analyze equipment reliability, performance, and failure patterns
- Optimize maintenance planning, scheduling, and resource utilization
- Develop KPIs and metrics to monitor maintenance and reliability performance
- Improve asset lifecycle management and reduce operational costs
- Enhance safety and regulatory compliance through effective maintenance practices

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Why Attend

- Learn globally recognized maintenance and reliability best practices
- Optimize asset performance and reduce operational downtime
- Gain practical skills in predictive and preventive maintenance
- Improve maintenance planning, scheduling, and resource allocation
- Strengthen organizational reliability culture and safety practices
- Enhance decision-making with data-driven reliability analysis

Target Audience

This program is designed for:

- Maintenance engineers, supervisors, and managers
- Reliability engineers and asset managers
- Operations managers and plant managers
- Technical staff responsible for maintenance planning and execution
- Professionals seeking to improve reliability and operational efficiency

Individual Benefits

Key competencies that will be developed include:

- Knowledge of maintenance and reliability principles and methodologies
- Skills in preventive, predictive, and reliability-centered maintenance
- Ability to analyze equipment failure patterns and optimize reliability
- Competence in maintenance planning, scheduling, and resource management
- Understanding KPIs, metrics, and performance monitoring techniques
- Improved problem-solving and decision-making in maintenance operations

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Reduced equipment downtime and maintenance costs
- Enhanced asset reliability and operational efficiency
- Improved maintenance planning and resource utilization
- Stronger compliance with safety and regulatory requirements
- Data-driven decision-making for maintenance and reliability improvements
- A culture of proactive maintenance and continuous improvement

Instructional Methodology

The course follows a practical and interactive approach combining theory with hands-on exercises:

- Strategy Briefings – Maintenance strategies, reliability principles, and MRMS frameworks
- Case Studies – Real-world examples of maintenance optimization and reliability improvements
- Workshops – Exercises in preventive, predictive, and reliability-centered maintenance planning
- Peer Exchange – Group discussions on operational challenges and best practices
- Tools – Templates, checklists, and KPIs for effective maintenance management

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Course Outline

Detailed 5-Day Course Outline

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

Day 1: Introduction to Maintenance & Reliability

- Fundamentals of maintenance and reliability management
- Types of maintenance: reactive, preventive, predictive
- Workshop: Current maintenance assessment and gap analysis

Day 2: Reliability Analysis and Asset Management

- Reliability-centered maintenance (RCM) principles
- Failure modes, effects, and criticality analysis (FMEA/FMECA)
- Workshop: Reliability data analysis and failure pattern assessment

Day 3: Maintenance Planning and Scheduling

- Maintenance planning and scheduling techniques
- Resource allocation, manpower planning, and spare parts management
- Workshop: Developing a maintenance schedule and resource plan

Day 4: Performance Measurement and KPI Development

- Key performance indicators for maintenance and reliability
- Monitoring, reporting, and continuous improvement
- Workshop: Designing KPIs and performance dashboards

Day 5: Implementation Strategies and Case Studies

- Integrating MRMS into organizational operations
- Best practices, lessons learned, and case studies
- Workshop: Developing an action plan for implementation and improvement

Certification

Participants will receive a Certificate of Completion in Maintenance & Reliability Management System, validating their expertise in maintenance strategies, reliability optimization, and asset management 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.

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