

# NEXT-LEVEL MAINTENANCE MANAGEMENT: BEST PRACTICES AND RELIABILITY OPTIMIZATION

*“Elevate your maintenance strategies with cutting-edge practices to maximize asset performance, reliability, and cost-effectiveness.”*

## Schedule

Date	Venue	Fees (Face-to-Face)
20 - 24 Jul 2026	London - UK	USD 3495 per delegate

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

## Introduction

This advanced training program is designed to transform maintenance leaders and professionals into champions of reliability and operational excellence. Participants will explore next-level maintenance frameworks, tools, and strategies that deliver measurable improvements in asset availability, maintenance efficiency, and overall plant performance.

Combining global best practices with hands-on exercises, this course empowers attendees to implement innovative maintenance solutions that drive business results and strengthen competitive advantage.

## Objectives

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

- Apply advanced maintenance strategies including predictive and reliability-centered maintenance
- Optimize maintenance workflows, resource allocation, and cost management
- Use key performance indicators (KPIs) to track and improve maintenance performance
- Integrate digital tools and data analytics into maintenance decision-making
- Develop and implement continuous improvement plans for maintenance operations

## Why Attend

- Learn industry-leading maintenance management practices and frameworks
- Gain practical tools to increase equipment reliability and reduce downtime
- Improve cost control and resource utilization across maintenance activities
- Strengthen your leadership and decision-making in maintenance management
- Network with peers and learn from real-world maintenance success stories

## Target Audience

This program is designed for:

- Maintenance and reliability managers and engineers
- Plant managers and operations leaders
- Maintenance supervisors and planners
- Asset and facilities managers
- Anyone involved in maintenance performance improvement and optimization

## Individual Benefits

Key competencies that will be developed include:

- Mastery of advanced maintenance management strategies
- Ability to apply reliability-centered maintenance principles
- Skills to implement predictive maintenance and digital tools
- Enhanced problem-solving and root cause analysis capabilities
- Confidence to lead maintenance optimization initiatives

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved asset reliability and operational uptime
- Reduced maintenance costs through optimized practices
- Enhanced maintenance team performance and collaboration
- Stronger alignment between maintenance and business goals
- A culture of continuous improvement in maintenance operations

## Instructional Methodology

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

- Expert Briefings - Detailed exploration of maintenance frameworks, tools, and techniques
- Workshops - Hands-on exercises for applying best practices and solving real challenges
- Case Studies - Real-world examples showcasing maintenance optimization success
- Interactive Discussions - Peer exchange on lessons learned and innovations
- Practical Tools - Templates, checklists, and action plans for immediate application

## MAWA EVENTS

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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 Buffet: 01:00 – 02:00

#### Day 1: Foundations of Advanced Maintenance Management

- Module 1: Evolving Maintenance Paradigms (07:30 – 09:30)
  - Overview of modern maintenance strategies
  - Shift from reactive to proactive approaches
- Module 2: Reliability-Centered Maintenance (RCM) (09:45 – 11:15)
  - Key principles and steps in RCM
  - Identifying critical assets and failure modes
- Module 3: Workshop: Maintenance Strategy Mapping (11:30 – 01:00)
  - Mapping current vs. desired maintenance approaches

#### Day 2: Predictive Maintenance and Digital Integration

- Module 4: Predictive Maintenance Technologies (07:30 – 09:30)
  - Condition monitoring tools and techniques
  - Leveraging data for early fault detection
- Module 5: Digital Tools in Maintenance (09:45 – 11:15)
  - Using CMMS, IoT, and data analytics
  - Integrating digital insights into workflows
- Module 6: Workshop: Implementing Predictive Strategies (11:30 – 01:00)
  - Designing a predictive maintenance plan

#### Day 3: Performance Optimization and KPIs

- Module 7: Measuring Maintenance Performance (07:30 – 09:30)
  - Selecting and tracking meaningful KPIs
  - Using metrics to drive improvement
- Module 8: Cost and Resource Optimization (09:45 – 11:15)
  - Budgeting, resource planning, and cost control
  - Balancing efficiency and effectiveness
- Module 9: Workshop: KPI Dashboard Design (11:30 – 01:00)
  - Building a practical maintenance KPI dashboard

#### Day 4: Continuous Improvement and Innovation

- Module 10: Problem Solving and Root Cause Analysis (07:30 – 09:30)
  - Systematic approaches to addressing recurring issues
  - Tools for effective root cause investigation
- Module 11: Lean Maintenance and Process Improvement (09:45 – 11:15)
  - Applying lean principles to maintenance operations
  - Eliminating waste and streamlining workflows
- Module 12: Workshop: Continuous Improvement Action Plan (11:30 – 01:00)
  - Drafting a roadmap for ongoing optimization

#### Day 5: Leadership, Change Management, and Wrap-Up

- Module 13: Leading Maintenance Teams (07:30 – 09:30)
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Developing leadership and change management skills

- Building a culture of reliability and excellence
- Module 14: Group Presentation: Maintenance Optimization (09:45 – 11:15)
- Sharing team solutions and strategies
- Module 15: Certification and Closing (11:30 – 01:00)
- Final Q&A, participant feedback, and certificate award

### Certification

Participants will receive a Certificate of Completion in Advanced Maintenance Management and Reliability Optimization, validating their expertise in best practices for maintenance 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.

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