MAWA EVENTS

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

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

STRATEGIC MAINTENANCE PLANNING AND SCHEDULING FOR PEAK PERFORMANCE

"Maximizing Operational Efficiency through Effective Maintenance Strategies"

Schedule

Date	Venue	Fees (Face-to-Face)
03 – 07 Aug 2026	London - UK	USD 3495 per delegate

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

Introduction

Strategic maintenance planning and scheduling are crucial for ensuring that operations run smoothly, efficiently, and with minimal downtime. Maintenance is often the backbone of an organization's operational reliability, but without a solid strategy, it can lead to inefficiencies, unexpected failures, and increased costs. This 5-day intensive training will provide you with the tools, techniques, and best practices for developing a robust maintenance plan and scheduling process that enhances operational performance and extends asset life.

Participants will learn how to optimize maintenance resources, reduce downtime, improve reliability, and ensure safety through effective scheduling and planning. Using case studies, workshops, and industry-proven methodologies, this course ensures that participants gain practical, real-world skills that can be immediately applied in their organizations.

Objectives

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

- Develop a strategic maintenance plan aligned with organizational goals and objectives
- Understand the principles of preventive, predictive, and corrective maintenance
- Optimize maintenance schedules to maximize equipment uptime and resource utilization
- Implement best practices for work prioritization and resource allocation
- Apply data-driven decision-making to improve maintenance effectiveness
- Ensure compliance with industry regulations and standards in maintenance operations

MAWA EVENTS

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

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

Why Attend

- Learn to create and implement effective maintenance plans that improve operational efficiency
- Discover how to align maintenance strategies with organizational goals to achieve peak performance
- Gain insights into advanced scheduling techniques to minimize downtime and maximize asset life
- Understand the importance of predictive and preventive maintenance in reducing unscheduled repairs
- Network with industry professionals to share and learn about maintenance challenges and solutions

Target Audience

This program is designed for:

- Maintenance managers and engineers responsible for planning and scheduling
- Operations managers overseeing asset reliability and performance
- Reliability engineers focused on optimizing the lifecycle of equipment
- Project managers involved in maintenance planning for construction and operational phases
- Technicians and supervisors involved in executing maintenance activities

Individual Benefits

Key competencies that will be developed include:

- Strategic thinking and long-term planning for maintenance operations
- Mastery of scheduling techniques that reduce downtime and improve productivity
- Enhanced skills in prioritizing work and allocating resources efficiently
- Expertise in utilizing data and analytics to drive maintenance decisions
- Knowledge of compliance requirements for maintenance practices in various industries

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- A more efficient and cost-effective maintenance operation
- Reduced downtime and higher levels of operational availability
- The ability to align maintenance strategies with broader organizational objectives
- Improved management of resources, budgets, and time for maintenance activities
- Enhanced compliance with industry standards and regulations for maintenance

Instructional Methodology

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

- Strategy Briefings – Introduction to strategic planning and maintenance scheduling principles
- Case Studies – Analysis of real-world examples of successful maintenance programs
- Workshops – Hands-on activities to develop maintenance plans and scheduling techniques
- Peer Exchange – Group discussions on maintenance challenges and best practices
- Tools – Tools and templates for scheduling, resource allocation, and performance tracking

MAWA EVENTS

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

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

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: Introduction to Strategic Maintenance Planning

- Module 1: Overview of Strategic Maintenance Planning (07:30 – 09:30)
- The importance of strategic maintenance planning in achieving operational efficiency
- Key components of a strategic maintenance plan
- Aligning maintenance objectives with organizational goals
- Module 2: Maintenance Strategies and Types (09:45 – 11:15)
- Preventive, predictive, and corrective maintenance strategies
- Choosing the right strategy for different assets and systems
- The role of reliability-centered maintenance (RCM) in strategy development
- Module 3: Identifying Critical Assets (11:30 – 01:00)
- Asset criticality analysis: which assets are most important to your operations?
- Developing a critical asset list for effective maintenance planning
- Understanding the impact of asset failure on operations and performance

Day 2: Effective Scheduling Techniques for Maintenance

- Module 4: Maintenance Scheduling Fundamentals (07:30 – 09:30)
- Key principles of effective maintenance scheduling
- Balancing planned vs. unplanned maintenance activities
- Scheduling for maximum resource utilization
- Module 5: Advanced Scheduling Techniques (09:45 – 11:15)
- Techniques for optimizing maintenance schedules
- The use of computerized maintenance management systems (CMMS) in scheduling
- Handling constraints and ensuring schedule flexibility
- Module 6: Prioritization of Maintenance Work (11:30 – 01:00)
- Methods for prioritizing maintenance work orders based on criticality
- Establishing a work prioritization system
- Handling emergency vs. routine maintenance tasks

Day 3: Implementing Preventive and Predictive Maintenance

- Module 7: Preventive Maintenance Program Design (07:30 – 09:30)
- Developing a preventive maintenance program for assets
- Identifying the right tasks and frequencies for preventive maintenance
- Evaluating the effectiveness of preventive maintenance programs
- Module 8: Predictive Maintenance Strategies (09:45 – 11:15)
- Understanding predictive maintenance techniques and tools (vibration analysis, thermal imaging, etc.)
- Developing a predictive maintenance strategy based on asset performance data
- Using condition monitoring to extend asset life
- Module 9: Balancing Preventive and Predictive Maintenance (11:30 – 01:00)
- How to integrate preventive and predictive maintenance into a cohesive strategy
- Cost-benefit analysis of preventive vs. predictive maintenance
-

Creating a hybrid strategy that optimizes both approaches

Day 4: Resource Management and Performance Monitoring

- Module 10: Resource Allocation and Budgeting (07:30 – 09:30)
- Strategies for managing maintenance budgets and resources
- The role of staffing and training in effective maintenance management
- Cost optimization techniques for resource allocation
- Module 11: Performance Monitoring and Key Performance Indicators (09:45 – 11:15)
- Developing and tracking maintenance KPIs
- Tools for monitoring the effectiveness of maintenance activities
- Using data analytics for performance improvement
- Module 12: Continuous Improvement in Maintenance (11:30 – 01:00)
- Identifying opportunities for continuous improvement in maintenance programs
- Implementing Lean, Six Sigma, and other methodologies to improve maintenance performance
- Measuring the success of maintenance improvements

Day 5: Risk Management and Compliance

- Module 13: Risk-Based Maintenance Planning (07:30 – 09:30)
- Risk-based maintenance approaches and strategies
- How to conduct a failure modes and effects analysis (FMEA)
- Developing a risk management plan for maintenance
- Module 14: Compliance and Standards in Maintenance Operations (09:45 – 11:15)
- Understanding regulatory requirements for maintenance operations
- Compliance with industry standards (ISO, OSHA, etc.)
- The importance of maintaining records and documentation
- Module 15: Developing a Long-Term Maintenance Strategy (11:30 – 01:00)
- Building a sustainable, long-term maintenance strategy for peak performance
- Aligning long-term strategy with corporate goals and changing market conditions
- Preparing for future challenges in asset maintenance

Certification

Participants will receive a Certificate of Completion in Strategic Maintenance Planning and Scheduling for Peak Performance, certifying their expertise in strategic maintenance planning, scheduling, and performance optimization for industrial operations.

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**