MAWA EVENTS

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

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

PREDICTIVE MAINTENANCE STRATEGY

"Maximize Equipment Reliability and Minimize Downtime with Data-Driven Predictive Maintenance Strategies."

Schedule

Venue (In-house)	Fees
At Your Organization Premises	Ask For The Quotation

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

Introduction

Predictive maintenance is a proactive approach that uses real-time condition monitoring, data analysis, and advanced diagnostics to anticipate equipment failures before they occur. Implementing predictive maintenance helps organizations reduce downtime, optimize resources, and extend asset life.

The Predictive Maintenance Strategy course provides participants with a comprehensive understanding of predictive maintenance principles, methodologies, and technologies. Participants will learn to leverage vibration analysis, thermography, oil analysis, and other monitoring techniques to develop effective predictive maintenance plans that improve operational efficiency and reduce costs.

Objectives

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

- Understand the fundamentals and benefits of predictive maintenance.
- Identify critical assets suitable for predictive maintenance programs.
- Apply condition monitoring techniques, including vibration, thermography, and lubrication analysis.
- Analyze equipment performance data to predict failures.
- Develop predictive maintenance strategies aligned with operational goals.
- Integrate predictive maintenance into existing maintenance management systems.
- Evaluate cost-effectiveness and return on investment of predictive maintenance programs.
- Implement continuous improvement practices for predictive maintenance.

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Why Attend

Predictive maintenance helps organizations transition from reactive to proactive maintenance, ensuring equipment reliability and operational excellence. This course equips participants with practical tools, strategies, and real-world insights to implement effective predictive maintenance programs that minimize downtime, reduce costs, and maximize asset performance.

Target Audience

This course is suitable for:

- Maintenance and Reliability Engineers
- Plant and Operations Managers
- Maintenance Supervisors and Technicians
- Asset Management Professionals
- Mechanical, Electrical, and Process Engineers
- Technical Leads responsible for maintenance improvement initiatives

Individual Benefits

- Gain practical knowledge of predictive maintenance methodologies and tools.
- Learn to implement condition monitoring and failure prediction techniques.
- Improve decision-making for maintenance planning and scheduling.
- Enhance professional skills in reliability and asset management.
- Increase confidence in reducing unplanned downtime and operational risks.

Organizational Benefits

- Optimize maintenance costs and resources.
- Minimize unplanned downtime and production losses.
- Improve equipment reliability and asset longevity.
- Increase operational efficiency and safety.
- Enable data-driven maintenance strategies and continuous improvement.

Instructional Methodology

The training employs a hands-on, practical approach:

- Instructor-led sessions on predictive maintenance principles and methods
- Demonstrations of condition monitoring tools and techniques
- Case studies and real-world examples of predictive maintenance implementation
- Workshops to develop predictive maintenance strategies for critical assets
- Group exercises, practical exercises, and continuous feedback sessions

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Course Outline

Module 1: Introduction to Predictive Maintenance – Concepts and Benefits

Module 2: Identifying Critical Assets for Predictive Programs

Module 3: Condition Monitoring Techniques – Vibration, Thermography, Lubrication

Module 4: Data Analysis and Failure Prediction Methods

Module 5: Developing a Predictive Maintenance Strategy

Module 6: Integrating Predictive Maintenance into Maintenance Management Systems

Module 7: Evaluating Cost, ROI, and Effectiveness of Programs

Module 8: Case Studies – Successful Predictive Maintenance Implementations

Module 9: Continuous Improvement in Predictive Maintenance

Module 10: Practical Exercises – Developing and Implementing Predictive Maintenance Plans

Certification

Upon successful completion, participants will receive a Certificate in Predictive Maintenance Strategy, recognizing their expertise in planning, implementing, and optimizing predictive maintenance programs to enhance reliability, reduce downtime, and maximize asset performance.

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**