MAWA EVENTS

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

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

MACHINERY AND EQUIPMENT

"Ensuring Safety, Efficiency, and Reliability in Industrial Machinery Operations"

Schedule

Date	Venue	Fees (Face-to-Face)
06 – 10 Jul 2026	London, UK	USD 3495 per delegate

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

Introduction

This course is designed to provide a comprehensive understanding of machinery and equipment safety, maintenance, and performance. Participants will gain practical insights into the selection, operation, inspection, and maintenance of various types of industrial equipment, ensuring compliance with safety standards and optimizing machinery performance.

By combining theoretical foundations with hands-on workshops, this course equips participants to reduce downtime, enhance equipment lifespan, and promote a safe working environment.

Objectives

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

- Understand the principles of machinery operation and maintenance
- Identify and manage safety risks associated with machinery and equipment
- Apply best practices for machinery inspection and preventive maintenance
- Troubleshoot common machinery issues to minimize downtime
- Ensure compliance with international safety and operational standards

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Why Attend

- Strengthen your knowledge of machinery systems and components
- Learn practical techniques to improve equipment reliability and efficiency
- Gain tools to reduce operational risks and equipment failures
- Understand how to implement preventive maintenance strategies effectively
- Boost workplace safety and ensure adherence to industry standards

Target Audience

This program is designed for:

- Maintenance engineers and supervisors
- Equipment and machinery operators
- Health, safety, and environment (HSE) professionals
- Plant and operations managers
- Mechanical engineers and technicians

Individual Benefits

Key competencies that will be developed include:

- Mastery of machinery safety protocols and risk management
- Enhanced troubleshooting and diagnostic abilities
- Practical maintenance and inspection skills
- Improved understanding of equipment performance metrics
- Capability to implement continuous improvement strategies in equipment management

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved equipment reliability and reduced unplanned downtime
- Enhanced safety culture and reduced risk of workplace accidents
- Cost savings through efficient maintenance practices
- Extended machinery lifespan and optimized performance
- Compliance with international safety and maintenance standards

Instructional Methodology

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

- Interactive Lectures – Core concepts of machinery safety and maintenance
- Case Studies – Real-world examples of equipment management successes and failures
- Hands-on Workshops – Practical exercises in machinery inspection and troubleshooting
- Group Discussions – Sharing best practices and problem-solving techniques
- Technical Tools – Templates, checklists, and maintenance schedules for immediate application

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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: Fundamentals of Machinery and Equipment

- Module 1: Introduction to Machinery Systems and Components
- Module 2: Operational Principles and Performance Metrics
- Module 3: Overview of Machinery Safety Standards

Day 2: Risk Management and Safety Practices

- Module 4: Identifying Machinery Hazards and Risks
- Module 5: Safety Procedures and Compliance Requirements
- Module 6: Workshop – Conducting a Machinery Safety Inspection

Day 3: Preventive Maintenance Strategies

- Module 7: Planning and Implementing Maintenance Programs
- Module 8: Predictive Maintenance Techniques
- Module 9: Workshop – Developing Maintenance Schedules

Day 4: Troubleshooting and Problem-Solving

- Module 10: Common Machinery Failures and Root Causes
- Module 11: Troubleshooting Methods and Tools
- Module 12: Workshop – Diagnosing Equipment Issues

Day 5: Continuous Improvement and Performance Optimization

- Module 13: Equipment Performance Monitoring and Reporting
- Module 14: Continuous Improvement in Machinery Management
- Module 15: Final Workshop – Action Plan for Machinery and Equipment Management

Certification

Participants will receive a Certificate of Completion in Machinery and Equipment Management, recognizing their ability to manage industrial equipment safely and efficiently while enhancing operational reliability.

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**

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