MAWA EVENTS

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

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

ADVANCED MATERIALS PRESERVATION

"Master advanced techniques to preserve, protect, and extend the life of materials in industrial operations"

Schedule

Date	Venue	Fees (Online Training)
09 – 10 Dec 2026	Online	USD 700 per delegate

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

Introduction

Materials preservation is a critical aspect of industrial operations, ensuring longevity, reliability, and safety of equipment and infrastructure. This 2-day online training provides participants with advanced knowledge and practical strategies for protecting and maintaining materials under various environmental and operational conditions.

Through interactive lectures, case studies, and practical exercises, participants will learn preservation techniques, identify factors causing material degradation, and implement preventive measures. By the end of the course, attendees will be equipped to enhance material life, reduce maintenance costs, and ensure operational efficiency.

Objectives

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

- Understand the principles of materials preservation and protection.
- Identify causes of material degradation and failure.
- Apply advanced preservation techniques and maintenance strategies.
- Implement preventive measures to extend material life.
- Improve operational reliability and reduce maintenance costs.

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Why Attend

- Gain practical knowledge in advanced materials preservation techniques.
- Learn to prevent material degradation and failures in industrial operations.
- Enhance reliability, safety, and operational efficiency.
- Reduce maintenance costs and extend asset lifecycle.
- Network with professionals and share industry best practices.

Target Audience

This program is designed for:

- Maintenance and reliability engineers.
- Materials engineers and quality assurance professionals.
- Asset integrity and operations managers.
- Technical staff responsible for maintenance, preservation, and material performance.

Individual Benefits

Key competencies that will be developed include:

- Mastery of materials preservation principles and techniques.
- Skills in identifying and mitigating material degradation.
- Ability to implement preventive maintenance and protection strategies.
- Improved decision-making for material management and asset reliability.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved preservation and reliability of critical materials.
- Reduced operational risks and maintenance costs.
- Enhanced safety and performance of equipment and infrastructure.
- Optimized lifecycle management of industrial assets.

Instructional Methodology

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

- Strategy Briefings – Advanced preservation techniques and maintenance strategies.
- Case Studies – Real-world examples of material degradation and preservation solutions.
- Workshops – Hands-on exercises in identifying failures and implementing preservation measures.
- Peer Exchange – Group discussions on challenges, solutions, and lessons learned.
- Tools – Guidelines, checklists, and frameworks for materials preservation and asset reliability.

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Course Outline

Detailed 2-Day Course Outline

Training Hours: 9:00 AM – 4:00 PM (Online) Daily Format: 3–4 Learning Modules | Breaks included

Day 1: Fundamentals of Materials Preservation (09:00 – 04:00)

Module 1: Principles of Material Protection (09:00 – 11:00)

- Overview of preservation concepts, materials behavior, and failure mechanisms.

Module 2: Causes of Material Degradation (11:15 – 01:00)

- Corrosion, wear, fatigue, and environmental impacts.

Module 3: Preservation Techniques (02:00 – 04:00)

- Protective coatings, treatments, and preventive maintenance practices.

Day 2: Advanced Preservation Strategies (09:00 – 04:00)

Module 4: Condition Monitoring & Inspection (09:00 – 11:00)

- Techniques to assess material health and detect early signs of degradation.

Module 5: Preventive Measures & Maintenance (11:15 – 01:00)

- Developing strategies for long-term material protection and reliability.

Module 6: Workshops and Case Studies (02:00 – 04:00)

- Practical exercises applying preservation strategies and analyzing case studies.

Certification

Participants will receive a Certificate of Completion in Advanced Materials Preservation, validating their expertise in applying advanced techniques for material protection, preservation, and asset 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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