MAWA EVENTS

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

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

ENVIRONMENTAL AND SAFETY COMPLIANCE IN FABRIC MAINTENANCE

"Ensuring Safe, Sustainable, and Compliant Surface Preparation & Coating Operations"

Schedule

Date	Venue	Fees
05 – 09 Oct 2026	Istanbul, Turkey	USD 3495 per delegate

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

Introduction

Fabric maintenance activities such as surface preparation, blasting, painting, and coating are essential for asset integrity, particularly in oil & gas, maritime, and industrial sectors. However, these operations also pose significant environmental and safety risks if not managed in accordance with regulations and best practices.

This course equips maintenance and HSE professionals with the knowledge and tools needed to achieve full compliance with environmental laws, safety standards, and operational procedures. Participants will learn how to manage hazardous materials, emissions, waste, and worker safety in alignment with global guidelines such as OSHA, EPA, IMO, and ISO standards.

Objectives

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

- Identify key environmental and safety risks in fabric maintenance operations
- Implement regulatory requirements for surface preparation and coating activities
- Control and monitor emissions, hazardous waste, and noise during maintenance
- Apply best practices in personal protection, confined space entry, and permit-to-work systems
- Conduct inspections, audits, and documentation for compliance assurance

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Why Attend

- Protect your workforce and environment from the risks of coating and blasting operations
- Ensure compliance with international safety and environmental regulations
- Improve maintenance planning and job execution with risk-based approaches
- Avoid penalties, incidents, and shutdowns related to non-compliance
- Strengthen your role in sustainability and operational excellence initiatives

Target Audience

This program is designed for:

- Maintenance and coating supervisors
- HSE officers and safety coordinators
- Asset integrity, QA/QC, and fabric maintenance engineers
- Project and operations managers in high-risk industries
- Anyone responsible for safe and compliant execution of maintenance activities

Individual Benefits

Key competencies that will be developed include:

- Environmental compliance for coating, blasting, and cleaning
- Safety control procedures in confined and hazardous areas
- Inspection readiness for regulators and certifying bodies
- Management of PPE, emissions, and waste streams
- Incident prevention and root cause understanding in maintenance settings

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved safety performance in maintenance operations
- Lower environmental risks and better sustainability reporting
- Higher compliance with industry-specific legislation and audit criteria
- Reduced incident rates and greater operational control
- Enhanced reputation for safe and responsible maintenance practices

Instructional Methodology

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

- Strategy Briefings – Global standards and compliance requirements
- Case Studies – Incidents, penalties, and improvement strategies in maintenance
- Workshops – Hazard identification, risk analysis, and control measures
- Peer Exchange – Sharing of compliance challenges and field solutions
- Tools – Checklists, safety plans, audit templates, and reporting formats

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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: Fabric Maintenance Overview and Compliance Frameworks

- Module 1: Introduction to Fabric Maintenance Risks (07:30 – 09:30) • Corrosion protection, blasting, and coating risks • Importance of compliance in offshore and industrial environments
- Module 2: Regulatory Landscape (09:45 – 11:15) • OSHA, EPA, IMO, ISO 45001 & 14001 requirements • Local environmental regulations and permits
- Module 3: Compliance Documentation & Inspection Readiness (11:30 – 01:00) • Safety plans, MSDS, permits, logs, and registers • Preparing for internal and external audits
- Module 4: Workshop – Compliance Gap Analysis (02:00 – 03:30) • Review of site practices against key regulatory standards

Day 2: Environmental Impact Management in Maintenance

- Module 1: Emissions and Air Quality Control (07:30 – 09:30) • Controlling dust, VOCs, and overspray • Air monitoring and abatement strategies
- Module 2: Hazardous Waste and Water Management (09:45 – 11:15) • Waste storage, labeling, and disposal • Spill response and water pollution controls
- Module 3: Noise and Environmental Disturbance (11:30 – 01:00) • Decibel thresholds and monitoring • Noise reduction strategies and community impact
- Module 4: Workshop – Environmental Compliance Plan (02:00 – 03:30) • Developing a site-specific environmental compliance checklist
- Day 3: Safety Hazards and Control Measures
- Module 1: High-Risk Activities in Fabric Maintenance (07:30 – 09:30) • Scaffolding, blasting, hot work, and work-at-height risks • Task risk assessments (TRA/JSA)
- Module 2: Personal Protective Equipment (PPE) & Respiratory Protection (09:45 – 11:15) • Selection and fit testing for respiratory, eye, and skin protection • Use and maintenance of PPE in harsh environments
- Module 3: Permit-to-Work and Confined Space Safety (11:30 – 01:00) • Confined space entry protocols • LOTO and work authorization procedures
- Module 4: Workshop – Risk Assessment and Control (02:00 – 03:30) • Group development of a hazard and control plan for a coating job

Day 4: Emergency Response and Incident Management

- Module 1: Emergency Planning and Preparedness (07:30 – 09:30) • Evacuation, first aid, and fire response protocols • Emergency equipment and drills
- Module 2: Incident Reporting and Investigation (09:45 – 11:15) • Near-miss vs. incident classification • Root cause analysis (5 Whys, fishbone diagrams)
- Module 3: Contractor and Subcontractor Safety Management (11:30 – 01:00) • Safety orientation, compliance enforcement, and audits • Behavioral safety and accountability
- Module 4: Workshop – Incident Investigation Simulation (02:00 – 03:30) • Simulated maintenance incident investigation and report drafting

Day 5: Sustainability, Culture & Final Assessment

- Module 1: Sustainable Maintenance Practices (07:30 – 09:30) • Green coating technologies, waterborne systems • Reducing carbon and energy footprint
- Module 2: Building a Safety Culture in Maintenance (09:45 – 11:15) • Leadership and behavioral-based safety approaches • Safety motivation and communication tools
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Module 3: Final Compliance Review & Knowledge Test (11:30 – 01:00) • Course recap and assessment quiz

- Module 4: Action Planning and Certificate Distribution (02:00 – 03:30) • Implementation planning and participant presentations • Certificate presentation

Certification

Participants will receive a Certificate of Completion in Environmental & Safety Compliance in Fabric Maintenance, validating their expertise in managing environmental and safety risks associated with maintenance activities in industrial and hazardous environments.

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.

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