MAWA EVENTS

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

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

FACILITY FIRE PROTECTION (EVALUATION – INSPECTION – REFORM – STRENGTHENING)

"Comprehensive Strategies to Evaluate, Inspect, and Upgrade Facility Fire Protection Systems"

Schedule

Date	Venue	Fees (Face-to-Face)
17 - 21 Aug 2026	Dubai, UAE	USD 3495 per delegate

Introduction

Fire protection is critical to the integrity and operational continuity of facilities in all sectors. The increasing complexity of building systems and regulatory standards demands a deeper understanding of fire protection evaluation and risk reduction strategies.

This course equips participants with the technical and practical skills to evaluate fire hazards, inspect fire safety infrastructure, identify design or operational gaps, and implement effective reforms and strengthening measures. Real-life cases and regulatory references will be used throughout to enhance practical application.

Objectives

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

- Evaluate fire risks and protection measures across various facility types
- Conduct structured fire safety inspections aligned with international codes
- Identify deficiencies in fire detection, suppression, and evacuation systems
- Recommend reforms based on inspection outcomes and performance analysis
- Strengthen facility fire protection systems to comply with standards and best practices
- Integrate fire risk mitigation into wider facility management strategies

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 systematically inspect fire safety systems and detect hidden risks
- Enhance regulatory compliance and facility fire readiness
- Gain practical tools to document and report fire protection evaluations
- Understand the latest international standards (NFPA, IFC, ISO)
- Strengthen your role in safety assurance, engineering, and risk management

Target Audience

This program is designed for:

- Facility and safety managers responsible for fire protection
- Engineers and inspectors involved in fire system design or maintenance
- Health, Safety, and Environment (HSE) professionals
- Emergency response coordinators and risk officers
- Consultants and auditors involved in safety audits and building code compliance

Individual Benefits

Key competencies that will be developed include:

- Fire risk assessment and hazard identification
- Inspection and compliance evaluation techniques
- Analysis of system adequacy and failure scenarios
- Strategic improvement planning for fire systems
- Knowledge of codes (NFPA, OSHA, IFC, ISO)

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced fire risk governance across operations
- Reduced likelihood of fire-related losses and downtime
- Improved documentation and audit readiness
- Compliance with fire protection regulations and standards
- Efficient integration of fire safety in facility management systems

Instructional Methodology

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

- Strategy Briefings – Facility fire protection frameworks and inspection cycles
- Case Studies – Real-world facility fire incidents and system reform projects
- Workshops – Simulated inspection checklists and gap analysis
- Peer Exchange – Lessons learned from cross-industry fire protection practices
- Tools – NFPA codes, inspection templates, reform planning frameworks

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

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 Facility Fire Protection

- Module 1: Fire Science and Hazard Identification (07:30 – 09:30) • Fire triangle, heat transfer, and facility ignition sources • Common industrial and commercial fire hazards • Classification of fire risks and consequences
- Module 2: Types of Fire Protection Systems (09:45 – 11:15) • Detection, suppression, and containment systems • Passive and active fire protection components • Comparison of system designs for different facilities
- Module 3: Regulatory Standards and Codes (11:30 – 01:00) • NFPA, IFC, ISO 7240, OSHA fire safety standards • Legal frameworks and local authority requirements
- Module 4: Workshop – Fire Risk Mapping (02:00 – 03:30) • Identify high-risk zones in sample floorplans

Day 2: Fire System Evaluation and Inspection

- Module 5: Inspection Planning and Documentation (07:30 – 09:30) • Creating checklists and inspection frameworks • Coordination with maintenance and technical teams
- Module 6: Systematic Inspection Techniques (09:45 – 11:15) • Visual, functional, and compliance checks • Troubleshooting alarms, detectors, and sprinklers
- Module 7: Common Deficiencies and Red Flags (11:30 – 01:00) • Faulty wiring, blocked exits, expired systems • Failures in integration and testing protocols
- Module 8: Workshop – Simulated Facility Inspection (02:00 – 03:30) • Conduct and report a mock inspection exercise

Day 3: Reforming Fire Safety Programs

- Module 9: Fire Safety Gap Analysis (07:30 – 09:30) • Identifying systemic weaknesses and root causes • Prioritizing corrective actions and investments
- Module 10: Upgrading Fire Systems and Equipment (09:45 – 11:15) • Modernizing detection and suppression systems • Backup systems, alarms, and control panels
- Module 11: Integrating Reforms into Facility Operations (11:30 – 01:00) • Maintenance schedules, fire drills, signage upgrades • Documentation and safety manuals
- Module 12: Workshop – Build a Reform Action Plan (02:00 – 03:30) • Customized plan for a target facility case

Day 4: Strengthening Organizational Fire Resilience

- Module 13: Fire Safety Culture and Behavior (07:30 – 09:30) • Staff awareness, response readiness, training • Behavior-based fire safety programs
- Module 14: Emergency Planning and Fire Drills (09:45 – 11:15) • Evacuation maps, role assignment, communication • Post-incident review and reporting protocols
- Module 15: Auditing Fire Safety Programs (11:30 – 01:00) • Internal and third-party audits • Gap closure follow-up and action tracking
- Module 16: Workshop – Emergency Scenario Simulation (02:00 – 03:30) • Simulated fire event response and analysis

Day 5: Strategic Alignment and Futureproofing

- Module 17: Aligning Fire Protection with Risk Management (07:30 – 09:30) • Business continuity, insurance, and compliance risk • Cost-benefit analysis of fire protection investments
- Module 18: Technology Trends in Fire Safety (09:45 – 11:15) • Smart detection, remote monitoring, AI-based alerts • Integration with building management systems (BMS)
- Module 19: Case Study – Large Facility Fire Reform Project (11:30 – 01:00) • Real case: Evaluation, redesign, and results
- Module 20: Final Workshop – Facility Fire Safety Master Plan (02:00 – 03:30) • Develop a long-term roadmap with KPIs

MAWA EVENTS

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

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

Certification

Participants will be awarded a Certificate of Completion in Facility Fire Protection – Evaluation, Inspection, Reform & Strengthening, validating their ability to assess fire protection systems, execute inspections, propose reforms, and lead the strengthening of fire safety programs in line with global standards.

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**

Follow us: **Facebook** **Twitter** **YouTube** **LinkedIn** **Instagram**

© Material published by MAWA Events shown here is copyrighted. All rights reserved. Any unauthorized copying, distribution, use, dissemination, downloading, storing (in any medium), transmission, reproduction or reliance in whole or any part of this course outline is prohibited and will constitute an infringement of copyright.