MAWA EVENTS

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

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

SAFETY TECHNOLOGY & RISK MANAGEMENT

"Leveraging Modern Safety Tools to Identify, Control, and Mitigate Operational Risks"

Schedule

Date	Venue	Fees (Face-to-Face)
17 – 19 Jun 2026	Dubai, UAE	USD 2495 per delegate

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

Introduction

Modern organizations face increasingly complex operational risks that demand innovative safety solutions and forward-thinking risk management approaches. Traditional methods are no longer sufficient to address dynamic workplace hazards, emerging technologies, and regulatory expectations.

This 3-day course provides a practical and technology-driven approach to safety and risk management. Participants will explore advanced safety tools, digital monitoring systems, predictive analytics, and integrated frameworks to improve safety outcomes. Real-world case studies and interactive workshops will enable participants to assess risks systematically, implement controls, and apply cutting-edge safety solutions that align with international best practices.

Objectives

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

- Apply modern risk assessment and hazard identification techniques
- Utilize technology tools such as IoT sensors, AI, and real-time monitoring for safety management
- Develop and implement risk control strategies and emergency responses
- Integrate safety systems with broader organizational risk frameworks
- Ensure compliance with ISO 45001 and global risk management standards

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Why Attend

- Stay updated with the latest trends and tools in safety technology
- Enhance your organization’s resilience against workplace hazards
- Adopt data-driven safety practices for better decision-making
- Strengthen your role in safety planning, audits, and risk control
- Reduce incidents and support a culture of continuous safety improvement

Target Audience

This program is designed for:

- HSE managers and safety officers
- Operational risk professionals
- Emergency and crisis response coordinators
- Facility and plant managers
- Engineers and safety compliance specialists

Individual Benefits

Key competencies that will be developed include:

- Advanced hazard analysis and safety audit techniques
- Practical use of digital safety tools and dashboards
- Risk mapping and prioritization using international frameworks
- Behavioral safety management through tech-enabled tracking
- Incident investigation and corrective action planning

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved safety performance through proactive risk identification
- More efficient use of technology in safety oversight and compliance
- Better incident response and recovery through integrated systems
- Alignment of safety practices with ISO 31000 and ISO 45001 standards
- Reduced downtime, liability, and operational disruptions

Instructional Methodology

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

- Tech Briefings – Safety system components, digital tools, and standards
- Interactive Workshops – Risk ranking, simulation exercises, and control planning
- Real-World Case Studies – Incidents involving lapses in tech-based safety systems
- Live Demonstrations – Safety dashboards, smart sensors, and predictive alerts
- Templates & Frameworks – Risk registers, compliance matrices, and audit tools

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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: Foundations of Risk and Safety Technology

- Module 1: Introduction to Risk Management Standards (07:30 – 09:30) • ISO 31000 and ISO 45001 overview • Principles of hazard identification and control
- Module 2: Technology in Safety Management (09:45 – 11:15) • Sensors, smart PPE, video analytics, and connected worker systems • Real-time monitoring and alert platforms
- Module 3: Digital Risk Registers and Dashboards (11:30 – 01:00) • Setting up and interpreting live safety data • Thresholds, triggers, and escalation flows
- Module 4: Workshop – Conduct a Tech-Enabled Hazard Audit (02:00 – 03:30) • Use a risk matrix with tech input to evaluate site safety

Day 2: Proactive Risk Control and Predictive Safety

- Module 5: Predictive Risk Modeling (07:30 – 09:30) • Using historical data to anticipate incidents • Machine learning applications in safety
- Module 6: Safety Behavior and Performance Monitoring (09:45 – 11:15) • Behavior-based safety (BBS) + tech tracking • Wearables, fatigue monitors, and biometric alerts
- Module 7: Integrating Emergency Preparedness Systems (11:30 – 01:00) • Automated alarms, egress mapping, and scenario planning • Response apps and drill scheduling
- Module 8: Workshop – Build a Digital Emergency Response Plan (02:00 – 03:30) • Simulate alerts, notifications, and resource deployment

Day 3: Compliance, Auditing, and Future Trends

- Module 9: Safety Audits and Compliance Automation (07:30 – 09:30) • E-inspections, automated checklists, and audit trail systems • Corrective action management
- Module 10: Legal Frameworks and Global Standards (09:45 – 11:15) • OSHA, ISO, local regulations – convergence and gaps • Compliance reporting and stakeholder communication
- Module 11: Future of Safety Technology (11:30 – 01:00) • AI, blockchain, digital twins, and robotics in safety • Organizational readiness for safety transformation
- Module 12: Final Exercise – Safety Strategy Innovation Lab (02:00 – 03:30) • Team project: propose a safety tech roadmap for a hypothetical facility

Certification

Participants will receive a Certificate of Completion in Safety Technology & Risk Management, confirming their ability to apply innovative tools and strategic frameworks to manage workplace safety and operational risk effectively.

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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