

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

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

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.

In-House / Customized Training

Interested in running this course for your team?

Please contact us:

TEL:

+601116373203

EMAIL:

info@mawaevents.net

© 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.