

**Training
Course**

**Safety Technology & Risk
Management**

Course Plan

Introduction

In today's fast-paced and ever-evolving industries, ensuring safety while managing risks is essential for any organization. The “Safety Technology & Risk Management” course offers professionals the tools and techniques needed to integrate modern safety technologies with effective risk management practices. This course provides a deep dive into how technology can be used to predict, assess, and mitigate risks, thereby enhancing workplace safety, minimizing accidents, and improving overall risk management strategies. Participants will explore innovative safety technologies, risk assessment models, and safety management systems that contribute to safer and more efficient work environments.

Course Objectives:

- ✓ Understand the role of technology in modern safety management and risk mitigation.
- ✓ Learn how to identify, assess, and manage risks using technological tools.
- ✓ Explore various safety technologies and their applications in different industries.
- ✓ Develop strategies for integrating safety technology with traditional risk management processes.
- ✓ Enhance decision-making using real-time data and predictive analytics.

- ✓ Build a culture of safety by using advanced tools for hazard detection, monitoring, and reporting.
- ✓ Improve the efficiency of safety management systems through technology.

Who Should Attend?

- Safety Managers and Safety Officers
- Risk Managers and Risk Assessment Professionals
- Occupational Health and Safety (OHS) Professionals
- Engineers and Technical Staff in Risk and Safety Management
- Operations Managers and Supervisors
- Health, Safety, and Environment (HSE) Teams
- IT professionals involved in safety technology implementation
- Any professional looking to integrate technology with safety and risk management in their organization

Training Methods:

- ✓ Online Video material.
- ✓ Presentation.
- ✓ Live Interactive sessions.
- ✓ Course presenter will make extensive use of all tools that will be needed for the virtual environment.
- ✓ Questions & Answers

Course Outline:

Day One

- Introduction to Safety Technology and Risk Management
- The Role of Technology in Modern Safety Practices
- Overview of Risk Management Principles and Frameworks
- Types of Risks and Their Impact on Safety Management
- Risk Identification and Risk Assessment Using Technology

Day Two

- Real-Time Monitoring Technologies for Workplace Safety
- Internet of Things (IoT) for Hazard Detection and Prevention
- Wearable Safety Technologies and Their Applications
- Predictive Analytics for Safety Risk Management
- Drones and Robotics for Safety Inspections and Monitoring

Day Three

- Advanced Sensors and Smart Equipment in Safety Management
- Safety Management Systems (SMS) and Integration with Technology
- Safety Data Management and Reporting Tools
- Artificial Intelligence (AI) and Machine Learning for Safety Risk Prediction
- Risk Mitigation Strategies Using Technology-Based Solutions

Day Four

- Automation and Robotics: Reducing Human Error in Risk Management
- Digitalization of Safety Protocols and Documentation
- Emergency Response Technologies: Real-Time Coordination and Response
- Safety Audits and Inspections Using Digital Tools
- Cybersecurity Considerations in Safety Technology Systems

Day Five

- Environmental Risk Management and Technology
- Legal and Regulatory Frameworks for Safety Technology Implementation
- Best Practices for Implementing Safety Technology in the Workplace
- Case Studies: Successful Integration of Safety Technology and Risk Management
- The Future of Safety Technology: Trends and Innovations

Training Details

Course Duration	5 Days
Pre-Schedule	7 – 11 Dec 2025
Venue	Dubai – The H Hotel
Training Fees Per Person	KWD 1600 (One Thousand Six Hundred Only)
Course Fees Include	<ul style="list-style-type: none"> ✓ Tuition documentation ✓ Curriculum and Training Handout ✓ Five star Lunch ✓ Completion Certificates