



*Training Course:
Safety Risk Management: Prevention, Control,
and Hazard Analysis*

*6 - 10 July 2026
Madrid (Spain)*

Training Course: Safety Risk Management: Prevention, Control, and Hazard Analysis

Training Course code: HE236243 From: 6 - 10 July 2026 Venue: Madrid (Spain) - Training Course Fees: 6300 € Euro

Introduction

Risk management is essentially a planning tool designed to identify, assess, and control risks—whether originating from work processes or workers themselves. It is based on a coordinated and structured process that allows organizations to recognize potential hazards, evaluate their likelihood, and implement preventive measures. Risk management involves a series of systematic steps and tasks to ensure safety, minimize incidents, and protect people, assets, and operations.

Program Objectives

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

- Apply the fundamentals of enterprise risk management.
- Identify risks that affect people, processes, and systems, and understand their impact on operational and financial performance.
- Assess situations and anticipate problems before they become threats.
- Improve and evaluate risk-based decision-making.
- Link risks to potential costs and integrate them into business planning.
- Identify and apply a range of techniques to support management in making effective decisions.

Target Audience

- Managers and senior managers.
- Financial controllers.
- Auditors.
- Executive directors.
- Risk management and occupational safety specialists.
- Anyone wishing to develop their skills and expertise in risk and safety management.

Outlines:

Day 1:

Risk Management Responsibilities

- Studying previous incidents and fires in the facility and learning from prior measures and investigations.
- Identifying potential hazards in the workplace through comprehensive evaluation and analysis of all parts of the facility.
- Preparing reports on incidents and occupational injuries, and applying relevant legal frameworks.
- Prioritizing the treatment of high-level and more likely risks before addressing less severe hazards.
- Conducting regular inspections across the facility to follow up on recommendations and assess their effectiveness.
- Continuously training and guiding workers on compliance with safety procedures.
- Maintaining comprehensive safety records incidents, fires, training, lost working hours, material losses for future reference and prevention.

Risk Management Tasks:

- Preparing the workplace as a safe working environment.
- Improving natural conditions ventilation, lighting.
- Conducting regular inspections of workplaces and workers.
- Conducting research, statistics, and studies on risks and incidents.
- Developing training programs for workers and management.

Day 2:

Objectives and Procedures of Risk Management

Objectives:

- Protecting workers from occupational hazards.
- Establishing safety procedures to prevent risks.
- Analyzing the workplace to identify sources of hazards.
- Evaluating and improving existing safety measures.
- Conducting job hazard analyses and developing procedures.
- Classifying hazardous areas and establishing appropriate safety guidelines.

Procedures:

- Identifying risks in the workplace.
- Defining hazards and who is exposed to them.
- Assessing control measures and precautions.
- Recording results.
- Regular review and evaluation.

Day 3:

Risk Analysis

- Analyzing probable risk signals with a reasonable likelihood of occurrence.
- Using available information systematically to identify and evaluate hazard severity and mitigation strategies.
- Minimizing negative outcomes and reducing human or material losses through preventive strategies.
- Responding effectively to risks to limit damage.

Steps in Risk Analysis:

- Identifying potential hazard sources in the workplace.
- Identifying individuals at risk.
- Evaluating existing measures and precautions.
- Recording results as reference material.
- Performing regular reviews and assessments.

Risk Components:

- Number of people potentially exposed.
- Severity of harm or injury.
- Probability of occurrence.

Risk Specification:

- Determining whether hazard sources can be completely removed.

- If not, assessing whether risks can be controlled to avoid injury or damage.

Precautions:

- Ensuring compliance with legal and regulatory safety requirements.
- Meeting industry standards.
- Representing best practices.
- Effectively reducing risks when applied.

Day 4:

Risk Assessment

- Comparing risk analysis results with acceptance and decision criteria.
- Using risk assessment to guide efforts, identify weaknesses, and improve resilience.
- Ensuring assessment is an ongoing process integrated into all operations, not limited to specific cases.

General Assessment Procedure:

- Identifying hazards and their sources.
- Assessing weaknesses in procedures or work steps against threats.
- Evaluating risks resulting from weak controls and their potential consequences.
- Assessing the effectiveness of current measures.
- Making recommendations.

Day 5:

Injury and Risk Control Procedures

Danger and Injury Assessment:

- Determining the probability of hazard occurrence under current conditions.
- Identifying the number of employees potentially exposed.
- Assessing the severity of possible injuries.
- Recording the evaluation.

Control Procedures:

Applying a structured hierarchy of controls to neutralize or reduce hazards:

1. **Elimination** - removing the hazard completely.
2. **Substitution** - replacing the hazard with a safer alternative.
3. **Isolation** - separating workers from the hazard.
4. **Engineering Controls** - modifying equipment or processes to control risks.
5. **Administrative Controls** - using signs, instructions, and work procedures.
6. **Personal Protective Equipment PPE** - ensuring proper protective gear use.

Additional measures:

- Limiting worker exposure to hazards.
- Supervision and monitoring by experts or specialized authorities.
- Continuous training to improve worker awareness and expertise.

Registration form on the Training Course: Safety Risk Management: Prevention, Control, and Hazard Analysis

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