XCELERATE TRAINING INSTITUTE

your learning & development partner

HEALTH, SAFETY AND ENVIRONMENT (HSE)

Safety Risk Management Training Course

DURATION	LANGUAGE	FORMAT
5 days	English	Classroom / Online

Upcoming dates

Dates	Venue	Format	Fee
14 – 18 Jun 2027	Live online	Online (live)	€1,200
19 – 23 Jul 2027	France	Classroom	€4,800
20 – 24 Dec 2027	Live online	Online (live)	€1,200

Register or ask a question

Online: x8ti.com/course/safety-risk-management-training-course/

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Safety Risk Management Training Course

Introduction

Introduction

Safety risk management is a key component of a successful organization that deals with or is exposed to hazardous environments or equipment. It is crucial to such organizations that risks, and safety aspects are evaluated and monitored continuously in a structured manner.

Proper management of risks is also required to assess the repercussions associated with potential safety hazards, devise an effective mitigation plan, and implement it effectively. During this course, all participants will also be able to evaluate their company's risk management processes by correctly identifying hazards, providing effective controls to mitigate safety risks, and designing systems and processes to reduce loss and damage due to hazardous equipment or facilities.

Furthermore, you will also learn how to conduct effective safety meetings, administer regulatory and compliance protocols, and utilize behavioral theories and the human factor in the management of safety.

What is the main aim and purpose of this "Safety Risk Management Certification Training Course"? This Xcelerate Training Institute course aims to provide you with further knowledge and understanding of health, safety, and environmental management concepts, with a specific focus on their importance in the workplace.

The training program also demonstrates the importance of the human factor in any successful safety and risk management system by emphasizing the roles that people play and how their behaviors can influence the effectiveness of such systems.

Learning Objectives

- Recognize the purpose and benefits of risk and safety management
- Classify and document potential and actual hazards related to facilities and equipment
- Employ the principles of hazard identification and risk assessment to processes and machinery
- Understand the concepts and use of reliability and failure tracing methods
- Display a practical understanding of quantitative risk assessment techniques
- Advise management on the most effective control methods based on your risk assessments
- Identify and comply with the relevant international standards for dependability and machinery safety

Training Methodology

- Lectures
- Videos
- Seminars & Presentations
- Group Discussions
- Assignments & Quizzes
- Case Studies & Functional Exercises

Benefits For Your Organization

- Benefit from training your employees on the definition and importance of safety information, along with the different roles played within the Safety Risk Management guidelines
- Document your Safety Risk Management information systematically and efficiently
- Improve productivity by teaching your staff about the Safety Risk Management work process and how it fits into the overall organizational work processes
- Achieve improved Safety Risk Management, higher employee morale, increased productivity, and reduced costs of damage control
- Assess your Safety Risk Management rating by evaluating its effectiveness to reduce injuries and illnesses and identifying and eliminating workplace hazards
- Reduce the damages caused by inadequate Safety Risk Management processes

Benefits For You

- Improve your performance through higher efficiency and greater worker productivity by being aware of Safety Risk Management-related risks
- Engage in conversations about Safety Risk Management, leading to improved occupational safety and better overall communication
- Steer clear of personal injuries by following safety considerations and best practices
- Learn how to perform a Safety Risk Management study from experienced professionals: collecting information, selecting the team, leading a meeting, and documenting the results
- Focus on human factors issues to analyze Safety Risk Management procedures in areas such as start-up, shutdown, and maintenance
- Get an opportunity to work through hands-on exercises in detail to gain the skills needed to facilitate a Safety Risk Management study
- Gain the skills to plan, manage, facilitate, and scribe for a Safety Risk Management study

Target Audience

This Safety Risk Management Certification Training Course would be suitable for:

- Plant engineers
- Industrial safety and health inspectors
- Trainers of industrial safety and health inspectors
- Engineers
- HSE personnel
- Maintenance personnel
- Employee representatives
- Human resources professionals
- Line managers
- Supervisors
- Team leaders
- All professionals who play a role in ensuring the safe operation of a potentially hazardous workplace

Course Outline

Introduction

- Introduction to Safety Risk Management
- Why Do We Need Safety Engineering?
- Examples of Major Disasters
- The Safety System Process

Safety Culture

- Safety Culture and Human Factors
- Negative and Positive Dimensions
- Taylor, Herzberg, McGregor, and Maslow's Theories
- Natural Penalties and Consequences
- What drives behavior?

Elements of a Safety Management System

- Types of Safety Management Systems
- Core Elements of Safety Management Systems
- Proactive and Reactive Monitoring of Performance
- Measurement Techniques
- Competencies for Auditors
- Audits and their Critical Components

Hazard Identification

- Hazard Identification
- Hazard Control
- Criteria for Risk Tolerability
- Hazard Identification Techniques
- Design Out Hazards
- Safety Standards Codes, National and International
- Safety Analysis in Engineering
- Safety Analysis in Chemical Process
- Safety Analysis in Manufacturing

Risk Assessment Techniques

- Safety Management
- Safety in System Life Cycle
- Hazard Identification Checklist
- Process, Workplace, Work Equipment Risk Assessment
- Task-based Risk Assessment

Machinery and Work Equipment Safety

- Machinery Hazard Identification
- Causes and Procedures for Machinery Accident Prevention

- HAZOP Examples
- Failure Modes
- Human Factors in Software Safety
- Conducting a Failure Mode Analysis
- Performance and Human Error
- Human Factors and Safety Analysis

Reliability Technology

- Types and Causes of Failures
- Methods of Preventing Failure
- Types of Maintenance and Inspection Regimes
- Reliability of Components and Systems
- Design and Reliability of Control Systems
- Design and Reliability of Protective Systems
- The Concept of ‘HIPS’
- Safety Integrity Levels ‘SIL’ Selection

Consequences Analysis

- Dispersion Modelling Software
- Types of Fire
- Flash
- Jet
- Cascading Fires
- BLEVE
- Types of Explosions
- Quantification of Risk

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Registration Form

Safety Risk Management Training Course

Preferred dates: ..... Venue or online: .....

Duration: 5 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

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Payment

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Register online
Open the course page