Integrated Health, Safety & Environmental Management for Industrial Facilities

28 Dec 2026 - 01 Jan 2027
Amsterdam (Netherlands)

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Ref.: 16079_1005412 **Date:** 28 Dec 2026 - 01 Jan 2027 **Location:** Amsterdam (Netherlands)
Fees: 5600 **Euro**

Introduction

The Integrated Health, Safety, and Environmental Management for Industrial Facilities course provides a comprehensive framework for managing workplace safety, occupational health, and environmental responsibilities within complex industrial environments. The course addresses the growing need for structured and integrated safety management systems that support operational continuity and regulatory alignment.

Participants in the Integrated Health, Safety, and Environmental Management for Industrial Facilities training emphasize how industrial organizations can unify health, safety, and environmental practices into a single, coherent management approach. They will explore how integrated safety management improves decision-making, risk visibility, and accountability across industrial operations. It highlights the connection between workplace safety and environmental protection, and long-term industrial performance.

The Integrated Health, Safety, and Environmental Management for Industrial Facilities program also focuses on aligning industrial HSE operations with international health and safety standards that industrial facilities are expected to meet. Through structured theoretical learning, participants gain clarity on HSE system integration and performance optimization. Professionals will support safer workplaces, stronger environmental stewardship, and sustainable industrial outcomes.

Targeted Groups

This Integrated Health, Safety, and Environmental Management for Industrial Facilities targets professionals seeking specialized knowledge and skills:

- HSE managers are responsible for integrated safety management systems.
- Safety officers oversee industrial health safety protocols.
- Environmental engineers managing industrial ecological performance.
- Facility and plant managers supervise daily industrial HSE operations.
- Maintenance engineers working in high-risk industrial environments.
- Industrial supervisors are responsible for conducting workplace risk assessments.
- Compliance professionals handling safety and environmental compliance.
- Quality and IMS coordinators supporting HSE system integration.
- Project managers operating within regulated industrial sectors.
- Professionals transitioning into facility health safety environment roles.

Course Objectives

Participants will achieve the following objectives by completing the Integrated Health, Safety, and Environmental Management for Industrial Facilities course:

- Understand the principles of integrated health, safety, and environmental management systems.
- Explain how industrial HSE management strategies support operational resilience.
- Identify hazards affecting workplace safety and environmental performance.

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- Apply structured workplace risk assessment methodologies in industrial settings.
- Analyze environmental risk management challenges within industrial facilities.
- Interpret the health and safety standards that industrial organizations must follow.
- Evaluate safety and environmental compliance against legal obligations.
- Design integrated safety management frameworks for industrial operations.
- Align HSE objectives with organizational and sustainability goals.
- Effectively monitor and measure HSE performance indicators.
- Assess industrial environmental performance using structured evaluation tools.
- Implement HSE monitoring and control mechanisms within facilities.
- Support emergency preparedness and industrial safety optimization planning.
- Strengthen leadership engagement in integrated safety management initiatives.

Targeted Competencies

Participants will gain the following competencies during the Integrated Health, Safety, and Environmental Management for Industrial Facilities program:

- Applying industrial health safety protocols consistently across operations.
- Conducting structured workplace risk assessment processes.
- Managing safety and environmental compliance requirements.
- Integrating health, safety, and environmental systems effectively.
- Evaluating environmental management solutions for industrial facilities.
- Monitoring HSE performance, monitoring metrics, and indicators.
- Supporting industrial safety compliance through system controls.
- Analyzing environmental risk management data for decision-making.
- Coordinating industrial HSE operations across departments.
- Applying HSE system integration principles for continuous improvement.

Studying Scenarios

In this Integrated Health, Safety, and Environmental Management for Industrial Facilities training, participants will develop their skills through the analysis of the following scenarios:

- Incident investigation within high-risk industrial operations.
- Environmental non-compliance events affecting facility operations.
- Workplace safety and environment failures due to poor coordination.
- Emergency response planning for industrial health incidents.
- HSE monitors and controls breakdowns in industrial facilities.
- Risk assessment gaps impacting industrial safety compliance.
- Performance review scenarios involving industrial environmental performance.

Course Content

Unit 1: Foundations of Integrated HSE Management Systems

- Definition and scope of integrated health, safety, and environmental management.
- Importance of integrated safety management in industrial facilities.
- Relationship between workplace safety and environmental performance.
- Core elements of health and safety standards apply to industrial facilities.
- Overview of international HSE frameworks and management models.
- Legal responsibilities in industrial health, safety, and environmental management.
- Roles of leadership in industrial HSE management strategies.

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- Stakeholder expectations and regulatory accountability.
- Introduction to HSE system integration principles.

Unit 2: Hazard Identification and Workplace Risk Assessment

- Principles of hazard identification in industrial environments.
- Classification of physical, chemical, and operational hazards.
- Structured workplace risk assessment methodologies.
- Risk evaluation techniques for industrial safety optimization.
- Application of the hierarchy of controls in industrial operations.
- Human factors influencing industrial health safety protocols.
- Documentation of hazards and risk registers.
- Linking risk assessments to industrial safety compliance.
- Monitoring risk control effectiveness across facilities.

Unit 3: Environmental Management and Industrial Environmental Performance

- Fundamentals of environmental management solutions in industry.
- Identification of environmental aspects and impacts.
- Environmental risk management in industrial facilities.
- Waste management and pollution prevention strategies.
- Energy efficiency and resource conservation principles.
- Monitoring emissions and industrial environmental performance.
- Environmental compliance obligations and reporting requirements.
- Integration of environmental controls within HSE systems.
- Continuous improvement of environmental performance indicators.

Unit 4: Occupational Health and Industrial Safety Operations

- Occupational health risks in industrial workplaces.
- Exposure assessment for chemical, physical, and biological hazards.
- Implementation of industrial health safety protocols.
- Ergonomic risk factors affecting workplace safety and environment.
- Health surveillance and monitoring programs.
- Preventive strategies for occupational illnesses.
- Emergency preparedness for health-related incidents.
- Communication of health risks within industrial HSE operations.
- Supporting worker wellbeing through integrated safety management.

Unit 5: HSE Monitoring, Auditing, and Continuous Improvement

- Planning and implementing integrated safety management systems.
- Establishing HSE objectives and measurable targets.
- HSE performance monitoring and control mechanisms.
- Internal auditing for industrial safety compliance.
- Management review processes and leadership accountability.
- Root cause analysis for incidents and non-conformities.
- Corrective and preventive action planning.
- Training and awareness within facility health, safety, and environmental systems.
- Continuous improvement models for industrial HSE operations.

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Final Insights & Key Takeaways

Integrated health, safety, and environmental management strengthens operational reliability and regulatory confidence in industrial facilities. This course equips professionals with structured knowledge to manage safety and environmental compliance through unified systems. Participants gain clarity on aligning industrial HSE operations with performance monitoring and continuous improvement. Effective integration ultimately enhances workplace safety, environmental responsibility, and long-term industrial sustainability.

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