MERCURY

ISO 45001 Occupational Health & Safety Management System Professional Program

17 – 28 May 2027
Rome (Italy)



Dubai - UAE: +971 4 450 5697
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ISO 45001 Occupational Health & Safety Management System Professional Program

Ref: 121649_1084154 **Date:** 17 – 28 May 2027 **Location:** Rome (Italy) **Fees:** 11100 Euro

Introduction

This ISO 45001 Occupational Health & Safety Management System Professional program provides an understanding of the ISO 45001 framework and its application in modern organizations. It explores how effective occupational health and safety management systems reduce workplace risks and enhance operational resilience. Participants will gain insight into international occupational health and safety standards and their practical implementation across industries. The course emphasizes structured approaches to hazard control, risk management, and compliance with ISO 45001 certification requirements. It highlights the integration of leadership, worker participation, and continuous improvement in safety systems. It builds the knowledge required to design, implement, and evaluate a robust workplace safety management system.

Targeted Groups

This ISO 45001 Occupational Health & Safety Management System Professional program targets professionals seeking knowledge and skills:

- HSE managers are responsible for workplace safety systems.
- Occupational health practitioners are improving compliance programs.
- Quality and risk management professionals.
- Internal auditors of ISO management systems.
- Safety officers in the industrial and construction sectors.
- Consultants implementing ISO 45001 certification projects.
- Operations and facility managers oversee risk control.

Course Objectives

Participants will achieve the following objectives by completing the ISO 45001 Occupational Health & Safety Management System Professional course:

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- Understand evolution and principles of OH&S management systems aligned with ISO 45001 requirements.
- Interpret organizational context, including internal and external factors influencing workplace safety performance.
- Apply risk assessment methodologies to identify hazards and evaluate workplace risks effectively.
- Develop operational controls, including emergency preparedness and contractor management systems.
- Enhance leadership participation and worker engagement in developing an OH&S culture.
- Design monitoring and measurement systems for OH&S performance evaluation.
- Conduct internal audits and incident investigations to drive continual improvement.
- Prepare organizations for ISO 45001 certification and integrated management systems.
- Strengthen compliance evaluation and documentation practices within OH&S systems.
- Integrate ISO 45001 with ISO 9001 and ISO 14001 frameworks.
- Analyze safety data to support proactive decision-making and continuous improvement strategies.

Targeted Competencies

Participants will gain the following competencies during the ISO 45001 Occupational Health & Safety Management System Professional program:

- Ability to identify workplace hazards and assess associated risks using structured methodologies.
- Competence in implementing ISO 45001 occupational health and safety management systems.
- Skill in developing risk registers and operational control procedures.
- Ability to conduct audits and evaluate system compliance effectively.
- Proficiency in incident investigation and root cause analysis.
- Capability to design monitoring and performance evaluation frameworks.
- Skills in leadership engagement and workforce participation strategies.
- Ability to prepare certification-ready OH&S management documentation.

Studying Scenarios

In this ISO 45001 Occupational Health & Safety Management System Professional training, participants develop skills through the following scenarios:

- Analyzing workplace hazards in industrial operations and proposing control measures.
- Evaluating organizational compliance against ISO 45001 requirements in audits.
- Investigating incidents to determine root causes and preventive actions.
- Designing emergency response and risk mitigation strategies for workplaces.

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Course Content

Unit 1: Fundamentals of Occupational Health & Safety Management

- Evolution of OH&S Management Systems.
- International OH&S Standards.
- ISO 45001 Framework.
- Benefits of Certification.

Unit 2: Understanding Organizational Context

- Internal and External Issues.
- Interested Parties.
- Scope Determination.
- OH&S Governance.

Unit 3: Leadership and Worker Participation

- Leadership Responsibilities.
- OH&S Culture Development.
- Worker Consultation and Participation.
- Accountability and Roles.

Unit 4: Hazard Identification and Risk Assessment

- Hazard Categories.
- Risk Assessment Methodologies.
- Risk Register Development.
- Opportunity Identification.

Unit 5: Operational Planning and Control

- Safe Work Systems.
- Contractor Management.
- Procurement Controls.
- Change Management.
- Emergency Preparedness.

Unit 6: Competence, Awareness, and Communication

- Training Management Systems.
- Competency Evaluation.
- Communication Strategies.
- Documentation Requirements.

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Unit 7: Monitoring, Measurement, and Performance Evaluation

- OH&S KPIs.
- Monitoring Programs.
- Compliance Evaluation.
- Data Collection and Analysis.

Unit 8: Internal Auditing of ISO 45001 Systems

- Audit Principles.
- Audit Planning.
- Audit Execution.
- Audit Reporting.
- Corrective Action Follow-Up.

Unit 9: Incident Investigation and Continuous Improvement

- Incident Reporting.
- Root Cause Analysis.
- Corrective and Preventive Actions.
- Lessons Learned Programs.

Unit 10: Certification and Best Practices

- Certification Process.
- Common Implementation Challenges.
- Integration with ISO 9001 & ISO 14001.
- OH&S Excellence Models.
- Long-Term Sustainability of the Management System.

Final Insights & Key Takeaways

A strong ISO 45001 Occupational Health & Safety Management System Professional framework enables organizations to reduce risks and enhance workplace safety performance systematically. Sustained implementation ensures continuous improvement, regulatory compliance, and long-term operational excellence across all organizational levels.