MERCURY

Mastering ISO 45001 Advanced Strategies for Occupational Health Specialists

19 – 23 September 2027
Cairo (Egypt)



Dubai - UAE: +971 4 450 5697
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Ref: 16285_1075739 **Date:** 19 – 23 September 2027 **Location:** Cairo (Egypt) **Fees:** 3500 Euro

Introduction:

This advanced training program is designed to provide in-depth knowledge and applied expertise in ISO 45001:2018, focusing on the strategic, operational, and compliance aspects of occupational health and safety management systems OHSMS. The program targets professionals who already possess foundational knowledge and are seeking advanced competency to lead, implement, and continually improve OHSMS within their organizations.

Targeted Groups:

- Occupational Health Specialists
- HSE Professionals
- Compliance and Risk Officers
- Internal and External Auditors of ISO 45001
- Health & Safety Managers and Supervisors

Training Course Objectives:

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

- Develop a high-level understanding of ISO 45001 requirements in complex organizational contexts.
- Enhance analytical and practical skills to design, implement, and audit OHSMS.
- Equip participants to identify and control risks while fostering a culture of continuous improvement in occupational health and safety.
- Interpret ISO 45001 standards in advanced scenarios.
- Conduct risk assessments and develop effective control strategies.
- Lead internal audits and prepare for external certification audits.
- Design and implement robust incident investigation frameworks.
- Integrate ISO 45001 with other management systems ISO 9001, ISO 14001.
- Champion organizational culture change toward proactive health and safety.

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Targeted Competencies:

- Advanced understanding of ISO 45001 requirements and clauses.
- Leadership and strategic implementation of OHSMS.
- High-level auditing and compliance evaluation skills.
- Incident investigation and root cause analysis expertise.
- Risk assessment, hazard control, and emergency preparedness mastery.
- Continuous improvement and integration of health and safety systems.

Course Content:

Unit One, Advanced Principles and Structure of ISO 45001:

- In-depth review of ISO 45001:2018 structure and high-level clauses.
- Key differences between OHSAS 18001 and ISO 45001.
- Context of the organization and leadership requirements.
- Strategic planning of OHSMS in alignment with corporate objectives.
- Building effective stakeholder engagement and communication channels.

Unit Two, Risk Management, Hazard Identification, and Control:

- Advanced methodologies for hazard identification Bowtie analysis, FMEA, HAZOP.
- Risk assessment frameworks: qualitative vs. quantitative risk analysis.
- Hierarchy of controls: engineering, administrative, PPE, and substitution.
- Managing emerging risks psychosocial hazards, ergonomics, remote work.
- Case studies of high-risk industry practices and controls.

Unit Three, OHSMS Implementation and Integration:

- Designing and documenting the OHSMS in compliance with ISO 45001.
- Integrating ISO 45001 with ISO 9001 and ISO 14001 for unified management systems.
- Developing operational controls, procedures, and workflows.
- Worker participation, consultation, and communication frameworks.
- Leveraging technology: digital platforms and monitoring tools for OHSMS.

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Unit Four, Incident Investigation, Auditing, and Compliance:

- Advanced incident investigation methodologies 5 Whys, Root Cause Analysis, TapRooT.
- Corrective and preventive actions CAPA management.
- Internal auditing techniques: planning, execution, and reporting.
- Preparing for external audits and certification bodies.
- Legal and regulatory compliance mapping with ISO 45001.

Unit Five, Continuous Improvement, Culture, and Leadership in OHS:

- Driving continuous improvement cycles PDCA model in practice.
- Leadership and governance in occupational health and safety.
- Creating a proactive safety culture: behavioral safety approaches.
- KPIs, dashboards, and leading vs. lagging indicators.
- Future of occupational health: trends, innovations, and sustainability.