Integrated QHSE Management Systems Implementation Training Course



23 - 27 Nov 2026

Boston

7500 € (Per Person)

Ref: #HSE1698_108365

Course Introduction / Overview:

This course provides a comprehensive framework for understanding, implementing, and managing an Integrated Quality, Health, Safety, and Environment (QHSE) system. In today's competitive landscape, organizations are moving away from siloed management systems towards a unified approach that enhances efficiency, reduces redundancy, and promotes a holistic culture of excellence. This program delves into the synergistic integration of three core international standards: ISO 9001:2015 (Quality), ISO 14001:2015 (Environment), and ISO 45001:2018 (Occupational Health & Safety). Participants will explore the principles of the Plan-Do-Check-Act (PDCA) cycle as a foundational tool for continual improvement, a concept championed by the renowned management consultant W. Edwards Deming. His work, particularly in "Out of the Crisis," emphasizes that quality and efficiency are not competing objectives but are intrinsically linked, a philosophy that is central to an effective integrated system. BIG BEN Training Center has designed this course to move beyond theoretical knowledge, equipping professionals with the practical skills to build a robust QHSE framework that drives operational performance, ensures legal compliance, and safeguards the well-being of employees and the environment.

Target Audience / This training course is suitable for:

- QHSE Managers and Practitioners.
- Compliance Officers and Auditors.
- Operations and Production Managers.
- Project Managers and Engineers.
- Management Representatives.
- Consultants specializing in ISO standards.
- Supervisors and Team Leaders.
- Anyone involved in the development and implementation of management systems.

Target Sectors and Industries:

- Manufacturing and Engineering.
- Construction and Infrastructure Development.
- Oil, Gas, and Energy sectors.
- Healthcare and Pharmaceutical industries.
- Logistics and Transportation.
- Information Technology and Telecommunications.
- Governmental agencies and public sector organizations.
- Food and Beverage production.

Target Organizations Departments:

- Quality Assurance and Quality Control.
- Health, Safety, and Environment (HSE).
- Operations and Production.
- Project Management Office (PMO).
- Compliance and Regulatory Affairs.
- Human Resources and Training.
- Procurement and Supply Chain Management.
- Facilities and Maintenance.

Course Offerings:

By the end of this course, the participants will have able to:

- Develop a cohesive QHSE policy and set integrated objectives.
- Interpret the requirements of ISO 9001, ISO 14001, and ISO 45001 in an integrated context.
- Conduct a comprehensive gap analysis of existing systems against integrated standard requirements.
- Master techniques for integrated risk assessment and opportunity analysis.
- Design and implement a unified documentation system for the integrated management system.
- Plan and execute integrated internal audits effectively.
- Facilitate a management review process for the integrated system.
- Drive continual improvement initiatives across quality, health, safety, and environmental performance.
- Foster a proactive and positive QHSE culture within the organization.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, engaging, and practical, ensuring that participants can immediately apply their learning in the workplace. We move beyond traditional lectures to create an immersive learning environment. The course heavily utilizes real-world case studies from various industries to illustrate the challenges and successes of QHSE integration. Participants will engage in group workshops and collaborative exercises to analyze scenarios, conduct mock risk assessments, and develop implementation plans. Interactive sessions, facilitated discussions, and brainstorming activities encourage the sharing of experiences and perspectives among attendees. A significant portion of the program is dedicated to practical application, including role-playing exercises for internal audits and management reviews. Our expert instructors provide continuous guidance and personalized feedback, ensuring that each participant grasps the core concepts and develops the confidence to lead QHSE initiatives. The methodology focuses on building tangible skills rather than just imparting theoretical knowledge, making this a transformative professional development experience.

Course Agenda (Course Units):

Unit One: Foundations of Integrated Management Systems (IMS)

- Introduction to Quality, Health, Safety, and Environment (QHSE).
- Overview of ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018.
- The business case for integrating management systems.
- Understanding the High-Level Structure (HLS) and Annex SL.
- The Plan-Do-Check-Act (PDCA) cycle as an integration framework.
- Key terminology and definitions in QHSE.
- Identifying stakeholders and their expectations.

Unit Two: Strategic Planning for an Integrated QHSE System

- Understanding the organization and its context.
- Demonstrating leadership and commitment.
- Developing an integrated QHSE policy.
- Assigning organizational roles, responsibilities, and authorities.
- Planning actions to address risks and opportunities.
- Conducting integrated hazard identification and risk assessment.
- Setting integrated QHSE objectives and planning to achieve them.

Unit Three: Implementation and Operational Control

- Planning and managing resources for the IMS.
- Ensuring competence and awareness across the organization.
- Establishing effective internal and external communication processes.
- Creating and controlling integrated documented information.
- Implementing operational planning and control for Q, H, S, and E processes.
- Managing change within the integrated system.
- Emergency preparedness and response planning.

Unit Four: Performance Evaluation and Internal Auditing

- Monitoring, measurement, analysis, and performance evaluation.
- Defining key performance indicators (KPIs) for QHSE.
- Evaluation of compliance with legal and other requirements.
- Planning and establishing an integrated internal audit program.
- Techniques for conducting effective integrated audits.
- Reporting audit findings and conclusions.
- Conducting an effective management review of the IMS.

Unit Five: Continual Improvement and System Sustainability

- Managing nonconformity and implementing corrective actions.
- Root cause analysis techniques for QHSE incidents.
- Strategies for continual improvement of the integrated system.
- Fostering a proactive QHSE culture.
- Challenges and best practices in maintaining an IMS.
- Future trends in integrated management systems and sustainability.
- Final review and course wrap-up session.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

Beyond compliance, how can an integrated QHSE system become a primary driver for organizational innovation and competitive advantage?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by focusing on the strategic synergy of integrating QHSE systems, rather than treating them as separate disciplines that must be combined. We move beyond a simple clause-by-clause review of the standards to explore the deep-seated connections between quality, environmental stewardship, and occupational health. The curriculum is built around a practical, process-based approach, emphasizing how to leverage the integrated system as a tool for enhancing operational efficiency and driving business performance. Participants learn not just the 'what' of the standards, but the 'how' and 'why' of effective implementation through extensive use of real-world case studies and hands-on workshops. Our focus is on cultivating a mindset of risk-based thinking and continual improvement, empowering attendees to build a resilient and proactive QHSE culture. The academic rigor is balanced with pragmatic application, ensuring that the knowledge gained is not only comprehensive but also directly transferable to the participant's organizational context, making it a strategic investment in both personal and corporate capability.