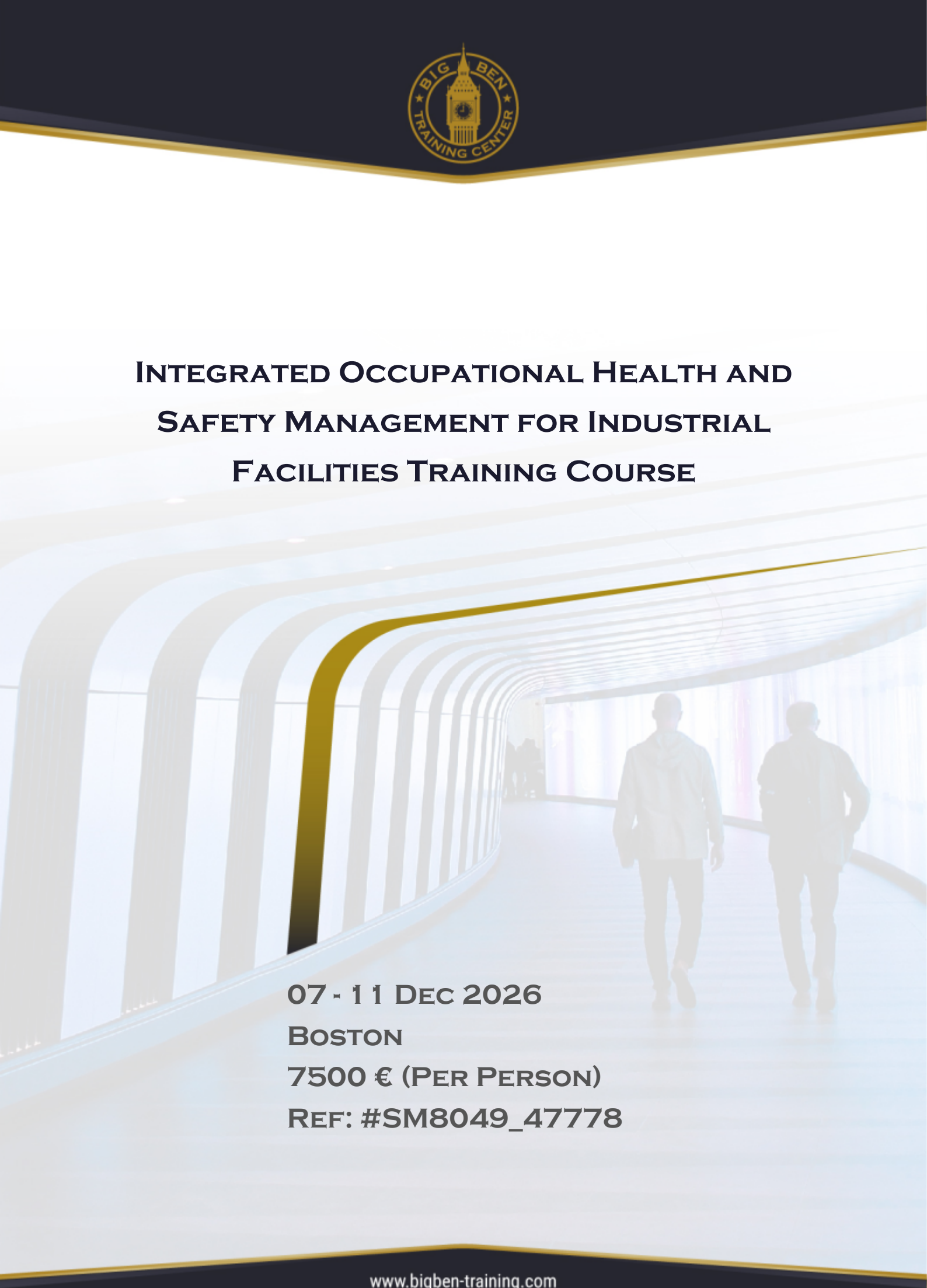
Integrated Occupational Health and Safety Management for Industrial Facilities Training Course



07 - 11 Dec 2026

Boston

7500 € (Per Person)

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Course Introduction / Overview:

The safety and well-being of employees are the most important priorities in any industrial setting. This training course provides a comprehensive and proactive approach to occupational health and safety management, designed to help organizations create a secure and productive work environment. We will explore the unique challenges of industrial facilities, including machinery operation, chemical handling, and emergency response. Participants will learn how to identify hazards, assess risks, and implement effective safety protocols. We will draw on the academic work of authors like Frank E. Bird Jr., whose book Loss Control Management provides a foundational framework for understanding safety. The curriculum is designed to equip professionals with knowledge and tools to develop a robust safety management system that not only complies with regulations but also fosters a strong culture of safety. The BIG BEN Training Center is committed to providing a program that helps participants minimize accidents, reduce operational downtime, and protect their most valuable asset, their people. By the end of this course, participants will be able to manage health and safety risks from A to Z, ensuring a safe and compliant workplace.

Target Audience / This training course is suitable for:

- Health and safety managers.
- Operations and production managers.
- Engineers and technical staff.
- Human resources professionals.
- Risk management officers.
- Compliance and regulatory affairs specialists.
- Senior executives in industrial sectors.

Target Sectors and Industries:

- Manufacturing and heavy industry.
- Oil and gas production.
- Construction and engineering.
- Chemical and petrochemical industries.
- Logistics and warehousing.
- Mining and quarrying.
- Government agencies and their equivalents.

Target Organizations Departments:

- Health, Safety, and Environment (HSE).
- Operations and Production.
- Human Resources.
- Engineering.
- Risk Management.
- Maintenance.
- Legal and Compliance.

Course Offerings:

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

- Conduct a comprehensive workplace hazard analysis.
- Develop and implement an occupational health and safety management system.
- Understand and comply with local and international safety regulations.
- Create an effective emergency response and evacuation plan.
- Implement safety protocols for machinery, chemicals, and hazardous materials.
- Use data to identify safety trends and prevent future accidents.
- Foster a strong culture of safety and accountability.
- Conduct effective incident investigation and reporting.

Course Methodology:

This training course uses a mix of instructional and hands-on methods to make sure the content is engaging and practical for industrial professionals. The program begins with instructor-led sessions that provide a clear understanding of the core principles of occupational health and safety. A key component of our approach is the use of real-world case studies of industrial accidents and near-misses. Participants will analyze these events to understand the root causes and how they could have been prevented. We also use interactive workshops and group exercises where participants work together to develop a safety management plan or conduct a mock hazard assessment. This collaborative learning model encourages teamwork and allows participants to practice their decision-making skills. Instructors at BIG BEN Training Center are experienced professionals who provide continuous feedback and guidance throughout the course. Our goal is to prepare professionals to face the complex challenges of modern industrial safety. By focusing on actionable knowledge and practical skills, we are making sure that every participant leaves the course ready to create a safer and more productive work environment.

Course Agenda (Course Units):

Unit One: The Foundation of Industrial Safety.

- Understanding the importance of occupational health and safety.
- The principles of a safety management system.
- Conducting a comprehensive workplace hazard analysis.
- The role of management and leadership in safety.
- Building a culture of safety and accountability.

Unit Two: Risk Assessment and Control.

- The methodology for risk assessment.
- Identifying and controlling physical hazards.
- Managing chemical and biological hazards.
- Implementing safe work practices and procedures.
- The use of personal protective equipment (PPE).

Unit Three: Legal and Regulatory Compliance.

- An overview of key health and safety laws and standards.
- Understanding responsibilities and liabilities.
- The importance of documentation and record-keeping.
- Preparing for safety audits and inspections.
- Case studies of legal compliance failures.

Unit Four: Emergency Preparedness and Response.

- Developing a facility-wide emergency response plan.
- The protocol for chemical spills, fires, and other incidents.
- Conducting effective evacuation drills.
- First aid and medical emergency preparedness.
- Post-incident analysis and learning.

Unit Five: Incident Investigation and Continuous Improvement.

- The process of incident investigation.
- Root cause analysis and corrective actions.
- Using safety data and metrics to improve performance.
- The role of technology in safety management.
- The future of occupational health and safety.

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:

In a complex industrial environment with many moving parts, how can a safety professional effectively balance strict regulatory compliance with the practical need for operational efficiency and worker comfort, while also encouraging voluntary participation in safety protocols?

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

This training course is unique because it provides an integrated and strategic approach to occupational health and safety specifically for industrial facilities. While many courses focus on just one aspect, our program recognizes that effective safety management requires a holistic approach that includes everything from hazard identification and risk assessment to regulatory compliance and a culture of safety. The curriculum is designed to be highly practical, with a strong emphasis on real-world scenarios and hands-on learning. We move beyond a simple list of rules and show how to build a safety management system that is both effective and efficient. The course uses a hands-on, case-study-based methodology, allowing participants to work through real-world accidents and near-misses to develop practical skills they can use right away. BIG BEN Training Center is committed to providing a program that gives professionals the knowledge and skills to minimize accidents, reduce operational downtime, and protect their most valuable asset, their people.