Occupational Safety and Hazard Control for Industries Training Course



09 - 13 Nov 2026

Düsseldorf

5900 € (Per Person)

Ref: #HSE6466_46325

Course Introduction / Overview:

Workplace safety and hazard control are foundational to the success of any industrial operation. This comprehensive training course, offered by BIG BEN Training Center, is designed to give participants a deep and practical understanding of how to identify, assess, and control hazards in a variety of industrial settings. The program goes beyond simply listing regulations, it teaches a proactive approach to safety that is essential for preventing incidents and protecting workers. Participants will learn how to conduct thorough hazard assessments, implement effective control measures, and foster a culture of safety throughout their organization. This training is for those who are ready to take their safety knowledge to the next level and become leaders in their field. The content is built on established principles and best practices, drawing inspiration from academic sources like the insights in "Occupational Health and Safety for the 21st Century" by the American Industrial Hygiene Association. The program also references key concepts from books like "Risk Assessment: A Practical Guide to Assessing Risks at Work" by Helen Hughes and Tony Pinder, ensuring a solid foundation in both theory and application. BIG BEN Training Center is committed to providing a learning experience that is both rigorous and engaging, equipping participants with the skills to make a tangible difference in any organization's safety performance.

Target Audience / This training course is suitable for:

- HSE officers and managers.
- Operations and production supervisors.
- Engineers and maintenance staff.
- Safety team leaders.
- Risk managers.
- Human resources personnel.
- All employees with safety responsibilities.
- Government regulators and inspectors.

Target Sectors and Industries:

- Oil and gas.
- Manufacturing.
- Construction.
- Energy and utilities.
- Chemical and petrochemical.
- Transportation and logistics.
- Mining and heavy industry.
- Government agencies and public services.

Target Organizations Departments:

- Health, safety, and environment (HSE) departments.
- Operations and production.
- Risk management.
- Quality assurance.
- Engineering and maintenance.
- Human resources.
- Supply chain.

Course Offerings:

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

- Identify a wide range of common industrial hazards.
- Conduct thorough risk assessments for various workplace scenarios.
- Implement and monitor effective hazard control measures.
- Develop and maintain a strong culture of safety.
- Investigate incidents and near misses to determine root causes.
- Communicate safety information effectively to all levels of the organization.
- Ensure compliance with relevant safety standards and regulations.
- Manage safety for contractors and external personnel.
- Use safety data to drive continuous improvement.

Course Methodology:

This training course at BIG BEN Training Center uses a highly practical and hands-on methodology to ensure that participants not only understand the concepts but can also apply them in their workplaces. The program combines clear, detailed lectures with interactive workshops and case studies drawn from a variety of industries. This approach allows participants to analyze real-world scenarios and develop problem-solving skills. Group discussions and role-playing exercises are central to the course, providing a dynamic environment where participants can share their experiences and collaboratively solve safety challenges. The program includes practical exercises that simulate real workplace situations, such as conducting a hazard assessment or developing an emergency response plan. The instructor provides personalized feedback and guidance throughout the program, helping each participant master the core competencies. By focusing on practical applications, BIG BEN Training Center ensures that participants leave with a tangible set of skills they can immediately implement to improve safety performance.

Course Agenda (Course Units):

Unit One: Foundations of Industrial Safety

- Principles of occupational safety and health.
- The moral, legal, and financial reasons for safety.
- Understanding the hierarchy of controls.
- Key roles and responsibilities in safety management.
- Safety culture and human factors in incidents.
- Legal frameworks and regulatory bodies.
- Safety communication and consultation.

Unit Two: Hazard Identification and Risk Assessment

- Common industrial hazards (physical, chemical, biological, ergonomic).
- Systematic hazard identification techniques.
- Methods of risk assessment.
- Developing a risk matrix.
- Risk assessment for specific activities.
- Managing risks from hazardous substances.
- Creating a risk register.

Unit Three: Implementing Hazard Control

- Engineering controls and their application.
- Administrative controls and safe work procedures.
- The use of personal protective equipment (PPE).
- Developing safe systems of work.
- Permit-to-work systems.
- Lockout/tagout procedures.
- Managing contractors and visitors.

Unit Four: Emergency Preparedness and Incident Response

- Types of workplace emergencies.
- Developing a comprehensive emergency response plan.
- Roles and responsibilities during an emergency.
- Conducting incident investigations.
- Root cause analysis techniques.
- Learning from incidents and near misses.
- First aid and fire safety basics.

Unit Five: Safety Management and Continuous Improvement

- Developing a safety management system.
- Monitoring and measuring safety performance.
- Conducting internal safety audits.
- Corrective action planning and implementation.
- Data-driven safety improvement.
- Promoting a culture of continuous improvement.
- Strategic safety planning.

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:

How can a strong safety culture be a competitive advantage for a business, attracting and retaining skilled talent while improving operational efficiency?

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

This program stands out by providing a highly practical and application-focused approach to industrial safety. While many courses cover general safety concepts, this training is specifically tailored to the real-world challenges faced in industrial settings. It emphasizes hands-on skills like conducting a thorough risk assessment and implementing practical hazard controls, rather than just memorizing regulations. The course content is built around case studies and interactive scenarios, which ensure that the knowledge gained is not just theoretical but immediately applicable to the workplace. The program also places a strong emphasis on developing a proactive safety culture, teaching participants how to influence behavior and drive organizational change. This makes the training a valuable opportunity to develop both the technical and leadership skills needed to excel in a critical role. It is a comprehensive learning experience that prepares participants to truly make a difference in their organization's safety performance.