Advanced Fire Safety and Emergency Response for Facilities Training Course



09 - 13 Nov 2026

Lisbon

4500 € (Per Person)

Ref: #HSE4827_46436

Course Introduction / Overview:

The ability to respond effectively to fire emergencies is a critical skill in any industrial or corporate environment. This comprehensive training course, offered by BIG BEN Training Center, is designed to provide participants with the practical knowledge and skills needed to manage fire safety and emergency response. The program goes beyond basic fire extinguisher training, covering the strategic planning, risk assessment, and operational procedures essential for protecting people and assets. Participants will gain a deep understanding of fire dynamics, the different classes of fire, and the most effective extinguishing agents. The course also emphasizes the importance of a proactive approach to fire prevention and emergency planning, ensuring that organizations are prepared to handle a wide range of scenarios. Drawing on foundational works such as "Fire and Life Safety Inspection Manual" by NFPA, the program is built on internationally recognized standards and best practices. It also references concepts from books like "Industrial Fire Prevention" by William F. Jenaway, which provide key insights into the unique challenges of fire safety in industrial facilities. BIG BEN Training Center is committed to providing a learning experience that is both rigorous and hands-on, equipping participants to make a tangible difference in their organization's emergency preparedness.

Target Audience / This training course is suitable for:

- Fire safety officers and coordinators.
- HSE managers and supervisors.
- Emergency response team members.
- Facilities and operations managers.
- Building managers.
- Security and risk management personnel.
- Anyone responsible for emergency planning and response.
- Government emergency services and regulatory agencies.

Target Sectors and Industries:

- Oil and gas.
- Manufacturing.
- Construction.
- Energy and utilities.
- Chemical and petrochemical.
- Hospitality and retail.
- Healthcare.
- Government agencies and public services.

Target Organizations Departments:

- Health, safety, and environment (HSE) departments.
- Facilities and operations.
- Security and risk management.
- Emergency response teams.
- Maintenance and engineering.
- Human resources.
- Corporate training.

Course Offerings:

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

- Conduct a comprehensive fire risk assessment for an industrial facility.
- Develop and implement a robust fire safety management plan.
- Lead an emergency response team during a fire incident.
- Understand fire dynamics and the principles of fire suppression.
- Design and test effective emergency evacuation procedures.
- Inspect fire safety equipment and systems.
- Communicate effectively with emergency services and stakeholders.
- Ensure compliance with relevant fire safety standards and regulations.
- Conduct a post-incident debriefing and analysis.

Course Methodology:

This training course at BIG BEN Training Center uses a highly practical and immersive methodology to ensure that participants are prepared for real-world fire emergencies. The program combines clear, detailed lectures with interactive workshops and case studies of real fire incidents. This allows participants to analyze what went right and wrong in a variety of situations. The course includes hands-on exercises, such as using fire extinguishers on different classes of fire, and practicing drills for emergency evacuation. Participants will also work in groups to develop a complete emergency response plan for a hypothetical facility. The instructor provides personalized feedback and guidance throughout the program, helping each participant master the core competencies. By focusing on practical application and simulation, BIG BEN Training Center ensures that participants leave with the confidence and skills needed to lead an effective emergency response, protecting lives and property.

Course Agenda (Course Units):

Unit One: Principles of Fire Safety and Prevention

- Understanding fire dynamics and the fire triangle.
- Common causes of fires in industrial facilities.
- Fire prevention strategies and controls.
- The hierarchy of fire safety controls.
- Fire classifications and extinguishing agents.
- Fire safety standards and legal requirements.
- The role of leadership in fire safety.

Unit Two: Fire Risk Assessment and Planning

- Conducting a comprehensive fire risk assessment.
- Identifying fire hazards and ignition sources.
- Assessing the risk to people and property.
- Developing a fire safety management plan.
- Emergency planning and communication.
- Building and structural fire safety.
- Fire detection and alarm systems.

Unit Three: Emergency Response and Evacuation

- Developing and implementing emergency evacuation procedures.
- Roles and responsibilities of an emergency response team.
- Command and control during an incident.
- Accountability and headcounts.
- Using personal protective equipment (PPE).
- Handling specific fire scenarios (e.g., electrical, chemical).
- Communicating with public emergency services.

Unit Four: Firefighting and Equipment

- Types of fire extinguishers and their use.
- Inspecting fire suppression systems (e.g., sprinklers, standpipes).
- Proper use of fire hoses and nozzles.
- Safe handling of flammable liquids and gases.
- Basic firefighting tactics.
- First aid for burns and smoke inhalation.
- Maintaining and inspecting fire safety equipment.

Unit Five: Post-Incident Management and Improvement

- Conducting a post-incident debriefing.
- Investigating the root cause of a fire.
- Learning from a fire incident.
- Documentation and reporting.
- Continual improvement in fire safety.
- Developing a fire safety training program.
- Future trends in fire safety technology.

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 well-prepared fire and emergency response plan be a strategic asset for an organization, reducing financial risk and enhancing business resilience?

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

This program stands out by providing a comprehensive and practical approach to fire safety that goes beyond basic training. While many courses teach only how to use a fire extinguisher, this training focuses on the strategic and operational aspects of fire safety management. It is designed for professionals who need to develop, implement, and manage a complete fire safety program for their facility. The course's unique quality lies in its blend of in-depth theoretical knowledge with hands-on, realistic practice. Participants will not only learn about fire dynamics but also participate in simulated emergency scenarios and practice with actual equipment. The curriculum also emphasizes crucial skills like risk assessment, emergency planning, and post-incident analysis. This makes the program a valuable opportunity for participants to become true leaders in fire safety, equipped to prevent incidents and respond effectively when they do occur.