Construction Site Safety Management and Execution Training Course



07 - 11 Dec 2026

Barcelona

5900 € (Per Person)

Ref: #HSE1873_46503

Course Introduction / Overview:

Construction sites are dynamic and complex environments where effective safety management is paramount for protecting workers and ensuring project success. This comprehensive training course, offered by BIG BEN Training Center, is designed to provide professionals with the strategic and operational skills needed to manage safety from project planning to execution. The program goes beyond basic compliance, focusing on how a proactive safety culture can prevent accidents, reduce costs, and improve project timelines. Participants will learn how to anticipate and mitigate risks, implement robust safety protocols, and lead teams to foster a culture of vigilance. This training is for those who are ready to take a leadership role in construction safety, ensuring every project is completed with a commitment to excellence and well-being. Drawing on academic expertise from figures like Jimmie Hinze, known for his work in construction safety and his book "Construction Safety Management and Engineering," the course provides a solid foundation of theoretical knowledge combined with practical, real-world application. It addresses key topics like hazard analysis, risk management, and the behavioral aspects of safety. BIG BEN Training Center is committed to equipping professionals with the advanced skills necessary to build a resilient and safe construction environment.

Target Audience / This training course is suitable for:

- Construction managers and site supervisors.
- Project managers and coordinators.
- HSE managers and officers.
- Safety engineers and consultants.
- Foremen and team leaders.
- Quality assurance personnel.
- Anyone with responsibility for site safety.
- Government regulators and inspectors.

Target Sectors and Industries:

- Construction and civil engineering.
- Oil and gas.
- Energy and utilities.
- Infrastructure development.
- Real estate development.
- Manufacturing and industrial projects.
- Government agencies and public services.
- Architecture and design firms.

Target Organizations Departments:

- Operations and project management.
- Health, safety, and environment (HSE) departments.
- 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:

- Develop and implement a comprehensive site safety plan.
- Conduct thorough risk assessments for construction activities.
- Ensure compliance with local and international construction safety standards.
- Lead incident investigations and root cause analysis.
- Implement control measures for common construction hazards, such as falls and excavations.
- Manage and communicate safely effectively on a construction site.
- Foster a proactive safety culture among site workers and contractors.
- Conduct site safety inspections and audits.
- Use data and technology to improve safety performance.

Course Methodology:

This training course at BIG BEN Training Center uses a highly practical and hands-on methodology to ensure participants are prepared for the unique challenges of a construction site. The program combines clear, detailed lectures with interactive case studies from a variety of construction projects. This allows participants to analyze real-world scenarios and develop problem-solving skills. Group workshops and role-playing exercises focus on creating practical documents, such as a project-specific safety plan or a job hazard analysis. Participants will practice conducting a site inspection and identifying potential risks. The instructor provides personalized feedback and guidance throughout the program, helping each participant master the core competencies. By focusing on practical application, BIG BEN Training Center ensures that participants leave with a tangible set of skills they can immediately implement to improve safety performance and reduce risk on any construction project.

Course Agenda (Course Units):

Unit One: Strategic Construction Safety Management

- The business case for construction safety.
- Roles and responsibilities for site safety.
- Developing a project-specific safety management plan.
- Understanding the hierarchy of controls for construction.
- Safety culture and behavioral factors on site.
- Legal and regulatory frameworks.
- Communication and consultation with workers.

Unit Two: Site Hazard and Risk Management

- Common construction site hazards (e.g., working at heights, excavation).
- Principles of job hazard analysis (JHA).
- Conducting a site-specific risk assessment.
- Fall protection systems and requirements.
- Scaffolding and ladder safety.
- Management of hazardous materials.
- Electrical safety on site.

Unit Three: Safe Work Practices and Procedures

- Developing and implementing safe work procedures.
- Permit-to-work systems.
- Lockout/tagout for machinery and equipment.
- Confined space entry procedures.
- Excavation and trenching safety.
- Crane and lifting operations safely.
- Fire prevention and control on site.

Unit Four: Emergency Planning and Incident Response

- Developing a site-specific emergency response plan.
- Roles and responsibilities of the emergency response team.
- First aid and medical emergency procedures.
- Conducting a comprehensive incident investigation.
- Root cause analysis for construction accidents.
- Learning from a near miss.
- Reporting and record-keeping.

Unit Five: Performance Monitoring and Continuous Improvement

- Key performance indicators (KPIs) for construction safety.
- Conducting site safety inspections and audits.
- Using technology to monitor and improve safety.
- Leading a toolbox talk.
- Developing a safety training and induction program.
- Promoting a culture of continuous improvement.
- Strategic safety planning for the organization.

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 management system on a construction site enhance a company's reputation, attract new talent, and lead to better project outcomes?

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

This program stands out by providing a specialized and highly practical approach to construction safety management. While many safety courses cover general principles, this training is specifically tailored to the unique and complex challenges of construction sites. The course emphasizes a holistic approach, covering everything from pre-construction planning to on-site execution and post-incident analysis. The curriculum is built around real-world case studies and interactive scenarios, which ensure that the knowledge gained is not just theoretical but immediately applicable. The program also places a strong focus on leadership and communication, teaching participants how to effectively manage teams and foster a strong safety culture among all workers and contractors. This makes the training a valuable opportunity for professionals to become true leaders in the field, equipped to reduce risk, prevent incidents, and ensure the successful and safe completion of any construction project.