# Effective Health, Safety, and Environmental Leadership Training Course



09 - 13 Nov 2026

Madrid

5900 € (Per Person)

Ref: #OG4029_10226

## Course Introduction / Overview:

In the energy sector, health, safety, and environmental (HSE) management is more than a compliance issue, it is a core business value. A strong HSE culture, led by effective leaders, is essential for protecting people, assets, and the environment while maintaining operational excellence. This comprehensive training course, provided by BIG BEN Training Center, is designed to give leaders and managers the skills to drive a proactive and positive safety culture. The curriculum covers the fundamental principles of HSE management, from risk assessment and incident investigation to strategic planning and regulatory compliance. We also focus on the "human factor," which is vital for building a culture where everyone feels responsible for safety. The course incorporates academic insights from authors like Andrew Hopkins and his book, Managing Major Hazards: The Lessons of the Piper Alpha Disaster. By blending theoretical frameworks with practical leadership strategies, this program empowers participants to become effective HSE champions within their organizations.

## Target Audience / This training course is suitable for:

- HSE managers and supervisors.
- Operations and plant managers.
- Project managers.
- Safety officers and team leaders.
- Regulatory compliance professionals.
- Engineers and technical specialists.
- Corporate executives.

## Target Sectors and Industries:

- Oil and gas.
- Utilities and power generation.
- Renewable energy.
- Petrochemicals and chemicals.
- Manufacturing and heavy industry.
- Government agencies and regulatory bodies.
- Construction.

## Target Organizations Departments:

- Health, safety, and environment (HSE).
- Operations and production.
- Risk management.
- Quality assurance.
- Human resources.
- Corporate management.
- Compliance.

## Course Offerings:

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

- Develop and implement a robust HSE management system.
- Lead a proactive safety culture from a leadership perspective.
- Conduct effective hazard identification and risk assessments.
- Master incident investigation and root cause analysis techniques.
- Ensure compliance with international and local HSE regulations.
- Communicate effectively on safety issues.
- Formulate a strategic plan for continuous HSE improvement.

## Course Methodology:

This training course uses an interactive and leadership-focused methodology to ensure that participants can effectively apply HSE principles in their roles. Our approach includes a mix of case studies, group discussions, and role-playing exercises that simulate real-world safety challenges. Participants will analyze case studies of major industrial accidents to understand the chain of events and the breakdown of safety systems. We also use workshops to practice skills like leading a safety meeting, conducting a site inspection, and performing a risk assessment. Role-playing scenarios will give participants the chance to practice communicating difficult safety messages and managing a crisis situation. The course emphasizes peer-to-peer learning, giving participants the opportunity to share experiences and best practices with others in the energy sector. BIG BEN Training Center is committed to providing a learning experience that is both practical and inspiring, helping to create the next generation of HSE leaders.

## Course Agenda (Course Units):

### Unit One: The Foundation of HSE Leadership Vision and Culture.

- The evolution of safety leadership.
- The components of an HSE management system.
- Creating a positive safety culture.
- Leadership's role in promoting safety.
- Behavioral safety and its limitations.
- The human factor in accident causation.
- Setting a strong safety vision.

### Unit Two: Risk and Hazard Management Proactive and Preventative Strategies.

- Hazard identification and analysis.
- Qualitative and quantitative risk assessment.
- Risk matrix and mitigation planning.
- Job safety analysis (JSA) and task risk assessment.
- Permit-to-work systems.
- Management of change (MOC).
- Emergency preparedness and response planning.

### Unit Three: Incident Investigation Learning from the Past.

- The importance of a robust investigation process.
- Root cause analysis (RCA) techniques.
- Developing a clear investigation report.
- Learning from near misses and incidents.
- Preventing recurrence through corrective actions.
- The role of leadership in post-incident response.
- Legal and regulatory implications.

## Unit Four: Environmental Management Compliance and Sustainability.

- Key environmental regulations in the energy sector.
- Environmental impact assessment (EIA).
- Waste management and pollution control.
- Air and water quality standards.
- Spill prevention and response plans.
- Corporate social responsibility (CSR).
- Integrating sustainability into HSE.

## Unit Five: Building an HSE Framework from Policy to Practice.

- Developing an HSE policy and manual.
- Roles and responsibilities for safety.
- HSE performance indicators (KPIs).
- Auditing and inspections.
- Contractor HSE management.
- Effective communication and training.
- The future of HSE in a changing energy landscape.

# FAQ:

### Qualifications required for registering to this course?

There are no requirements.

### How long is each day 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 an increasingly automated and technology-driven energy sector, how can leaders ensure that a strong safety culture remains a priority and that human oversight is not compromised by an over-reliance on technology?

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

This training course stands out because it focuses specifically on the leadership aspect of health, safety, and environmental management. Unlike other programs that only cover technical procedures, we empower participants to become proactive HSE champions who can drive a positive safety culture throughout their organization. Our curriculum goes beyond compliance by addressing the critical behavioral and psychological elements that influence safety performance. Through a combination of in-depth case studies and interactive role-playing, we provide a safe environment for participants to practice and refine their leadership skills in real-world scenarios. We do not just teach you what to do, we teach you how to lead. This program provides the strategic vision and communication skills needed to transform your organization's approach to safety.