



*Training Course:  
Advanced Technical Safety Practices*

*2 - 6 June 2025  
Kuala Lumpur (Malaysia)  
Royale Chulan Kuala Lumpur*

## Training Course: Advanced Technical Safety Practices

Training Course code: HE235857 From: 2 - 6 June 2025 Venue: Kuala Lumpur (Malaysia) - Royale Chulan Kuala Lumpur  
Training Course Fees: 6000 € Euro

### Introduction

This advanced training program, designed by Global Horizon Training Center, focuses on the best practices, procedures, and tools used to ensure technical safety in high-risk environments. The course is designed to help professionals at all levels enhance their understanding of safety systems, risk management, and compliance. By focusing on advanced safety practices, the program will equip participants with the skills necessary to manage, mitigate, and respond to complex safety challenges in industries such as manufacturing, construction, energy, and chemical processing.

### Objectives

By the end of the program, participants will:

1. Master advanced safety practices and their application in high-risk technical environments.
2. Understand the risk management techniques used to identify, assess, and mitigate safety hazards.
3. Be able to design and implement effective safety systems and procedures.
4. Learn how to perform thorough safety audits and assessments.
5. Gain the skills to effectively respond to safety incidents and emergencies.
6. Understand the latest regulations, standards, and safety technologies in technical environments.

### Course Methodology

This program will utilize a combination of diverse learning methods to ensure deep understanding and practical application of technical safety concepts:

- Lectures and Expert Presentations: To introduce advanced safety topics and regulations.
- Interactive Workshops: Practical exercises to apply learned safety practices and solve real-world challenges.
- Case Studies: To examine previous incidents and analyze safety failures and successes.
- Safety Simulations: Hands-on scenarios to prepare participants for responding to emergencies.

- Group Discussions: To encourage knowledge sharing and collective problem-solving.
- Safety Audits and Assessments: Participants will conduct mock safety audits to assess their plant or site safety systems.

## Organizational Impact

Implementing advanced safety practices within an organization will:

- Enhance the safety culture, reducing workplace accidents and incidents.
- Improve compliance with industry safety standards and regulations.
- Lower insurance costs and reduce potential liabilities from safety violations.
- Increase operational efficiency by preventing safety-related downtime.
- Promote employee confidence and morale by ensuring a safer work environment.
- Enable better risk management strategies, reducing exposure to legal and financial risks.

## Target Audience

This training program is aimed at:

- Safety Managers and Safety Officers seeking to upgrade their technical safety skills.
- Engineers and Technical Supervisors involved in ensuring safety standards in high-risk operations.
- Project Managers responsible for safety protocols and risk assessments.
- Maintenance Personnel and Facility Managers tasked with implementing safety measures.
- Compliance Officers ensuring adherence to safety laws and regulations.
- Risk Management Professionals looking to refine their approach to technical safety.

## Course Outline

Day 1: Introduction to Advanced Safety Management

- Overview of advanced technical safety principles

- The role of safety management systems SMS in high-risk environments
- Regulatory frameworks and standards OSHA, ISO, NFPA
- Risk identification, assessment, and mitigation techniques
- Safety culture: Creating a proactive safety-first environment

#### Day 2: Advanced Risk Management Techniques

- Hazard identification and risk assessment tools HAZOP, FMEA, etc.
- Quantitative risk analysis and modeling
- Safety critical systems and their role in preventing incidents
- Advanced techniques for predicting and preventing accidents
- Case studies of major safety incidents and their root causes

#### Day 3: Safety Systems Design and Implementation

- Designing and implementing effective safety systems and controls
- Redundancy and fail-safe mechanisms in high-risk environments
- Equipment safety features: Lock-out/tag-out LOTO, explosion-proof systems
- Integrating safety systems with other operational processes
- Emergency response protocols and planning

#### Day 4: Safety Audits and Continuous Improvement

- Conducting advanced safety audits and inspections
- Safety performance indicators and KPIs
- Creating and managing safety improvement plans
- Implementing corrective actions and ensuring follow-through
- Reporting and documentation requirements for compliance

#### Day 5: Emergency Response and Incident Management

- Emergency response plans for technical safety incidents

- Incident command systems and decision-making during crises
- Handling hazardous materials, chemical spills, and explosions
- Post-incident investigation and analysis
- Lessons learned from past incidents and continuous improvement strategies

## Registration form on the Training Course: Advanced Technical Safety Practices

**Training Course code:** HE235857 **From:** 2 - 6 June 2025 **Venue:** Kuala Lumpur (Malaysia) - Royale Chulan Kuala Lumpur **Training Course Fees:** 6000 € Euro

Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....

Position: .....

Telephone / Mobile: .....

Personal E-Mail: .....

Official E-Mail: .....

### Company Information

Company Name: .....

Address: .....

City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....

Position: .....

Telephone / Mobile: .....

Personal E-Mail: .....

Official E-Mail: .....

### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
- Please invoice me
- Please invoice my company

### Easy Ways To Register

Telephone:  
+201095004484 to  
provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
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Complete & return the  
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