



*Training Course:
Advanced Health and Safety Management*

*4 - 8 October 2026
Cairo (Egypt)*

Training Course: Advanced Health and Safety Management

Training Course code: SI236611 From: 4 - 8 October 2026 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

The **Advanced Health and Safety Management** training program is designed and presented by **Global Horizon Training Center** to provide professionals with advanced knowledge and practical approaches for managing occupational health and safety within complex organizational environments.

The program goes beyond basic safety practices by focusing on proactive risk management, safety leadership, regulatory compliance, incident prevention, emergency preparedness, contractor safety, performance measurement, and continuous improvement. Participants will explore internationally recognized HSE principles and learn how to integrate health and safety considerations into operational and strategic decision-making.

Course Objectives

By the end of this training program, participants will be able to:

- Apply advanced principles of occupational health and safety management.
- Develop and improve effective Health and Safety Management Systems.
- Identify workplace hazards and conduct structured risk assessments.
- Establish effective risk control and prevention strategies.
- Strengthen organizational compliance with health and safety requirements.
- Analyze incidents and determine underlying and root causes.
- Develop proactive approaches to accident and incident prevention.
- Improve emergency preparedness and response arrangements.
- Establish meaningful HSE performance indicators and monitoring systems.
- Strengthen safety leadership, communication, and employee engagement.
- Manage contractor and third-party safety risks effectively.
- Promote a sustainable culture of continuous health and safety improvement.

Target Audience

This program is suitable for:

- HSE Managers and Supervisors
- Health and Safety Officers
- Safety Engineers and Specialists
- Operations and Maintenance Managers
- Facility Managers
- Risk Management Professionals
- Quality and Compliance Professionals
- Emergency Response Coordinators
- Project and Site Managers
- Engineers and Technical Supervisors
- Professionals responsible for workplace health and safety

Course Methodology

The program uses an interactive and practical learning methodology combining:

- Instructor-led presentations and discussions
- Practical HSE examples and industry scenarios
- Hazard identification and risk assessment exercises
- Incident analysis and root cause exercises
- Case studies based on workplace safety challenges
- Group discussions and problem-solving activities
- Safety performance assessment exercises
- Practical application of HSE management tools and techniques

Organizational Impact

Organizations whose employees complete this program can expect to:

- Strengthen their overall health and safety management framework.
- Improve workplace hazard identification and risk control.

- Reduce exposure to occupational incidents and operational disruptions.
- Improve compliance with applicable HSE requirements.
- Strengthen management accountability for safety performance.
- Improve incident reporting, investigation, and corrective action processes.
- Develop stronger emergency preparedness capabilities.
- Enhance contractor and third-party safety management.
- Establish a more proactive and prevention-focused safety culture.
- Improve monitoring and continuous improvement of HSE performance.

Outlines

Day 1: Advanced Health and Safety Management Frameworks

Health and Safety Management Fundamentals

- The strategic importance of occupational health and safety
- Evolution from reactive to proactive safety management
- Responsibilities and accountability within HSE management
- Integrating health and safety into organizational operations
- Principles of effective Health and Safety Management Systems

International HSE Frameworks and Compliance

- Overview of ISO 45001 principles
- Understanding legal and regulatory responsibilities
- Organizational context and interested parties
- Leadership commitment and worker participation
- Establishing HSE policies, objectives, and responsibilities
- Managing documentation and operational controls

Building an Effective Safety Culture

- Characteristics of strong and weak safety cultures

- Management influence on safety behavior
- Employee engagement and consultation
- Safety communication and awareness
- Developing organizational ownership of HSE performance

Day 2: Hazard Identification and Advanced Risk Management

Advanced Hazard Identification

- Understanding hazards, risks, and consequences
- Physical, chemical, biological, ergonomic, and psychosocial hazards
- Operational and process-related hazards
- Identifying routine and non-routine hazards
- Human factors as a source of workplace risk

Risk Assessment Techniques

- Principles of systematic risk assessment
- Risk likelihood and consequence evaluation
- Risk matrices and prioritization
- Job Safety Analysis JSA
- Task-based risk assessment
- Dynamic risk assessment
- Developing and maintaining risk registers

Risk Control Strategies

- Applying the hierarchy of controls
- Elimination and substitution
- Engineering and administrative controls
- Personal Protective Equipment PPE
- Selecting effective control measures

- Evaluating residual risk
- Monitoring the effectiveness of controls

Day 3: Incident Prevention, Investigation and Corrective Actions

Incident and Accident Management

- Understanding accidents, incidents, and near misses
- Immediate, underlying, and root causes
- Unsafe acts and unsafe conditions
- Human and organizational factors
- Developing effective incident reporting systems
- Encouraging near-miss reporting

Advanced Incident Investigation

- Planning and conducting investigations
- Securing and collecting evidence
- Interviewing witnesses
- Establishing incident timelines
- Cause-and-effect analysis
- The 5 Whys technique
- Fishbone analysis
- Root Cause Analysis RCA

Corrective and Preventive Actions

- Developing effective corrective actions
- Prioritizing recommendations
- Assigning responsibility and accountability
- Tracking corrective actions to closure
- Evaluating action effectiveness

- Preventing recurrence
- Converting incident findings into organizational learning

Day 4: Operational Safety and Emergency Preparedness

Operational Health and Safety Controls

- Safe systems of work
- Permit-to-work principles
- Lockout/Tagout concepts
- Working at height
- Confined space safety
- Electrical safety
- Machinery and equipment safety
- Manual handling and ergonomic considerations
- Workplace inspections and preventive controls

Contractor and Third-Party Safety Management

- Contractor prequalification
- Communicating HSE requirements
- Contractor induction and orientation
- Risk coordination between organizations
- Monitoring contractor safety performance
- Managing simultaneous operations
- Contractor incident reporting and accountability

Emergency Preparedness and Response

- Identifying potential emergency scenarios
- Emergency risk assessment
- Emergency response planning

- Roles and responsibilities during emergencies
- Communication and escalation procedures
- Evacuation and assembly arrangements
- Emergency drills and exercises
- Post-emergency evaluation and improvement

Day 5: HSE Leadership, Performance and Continuous Improvement

Safety Leadership and Employee Engagement

- Leadership responsibilities for HSE
- Visible safety leadership
- Leading by example
- Effective safety communication
- Safety meetings and toolbox talks
- Behavioral safety principles
- Motivating employees toward safe behavior
- Managing resistance to safety requirements

HSE Performance Measurement

- Leading versus lagging indicators
- Safety KPIs and performance dashboards
- Accident and incident statistics
- Near-miss and hazard reporting indicators
- Inspection and audit findings
- Corrective action closure rates
- Monitoring safety trends
- Using data to support management decisions

Auditing and Continuous Improvement

- Principles of HSE auditing
- Planning and conducting safety inspections
- Identifying compliance gaps
- Management review
- Corrective and preventive improvement
- Lessons learned and knowledge sharing
- Developing HSE improvement priorities
- Building a sustainable culture of health and safety excellence

Registration form on the Training Course: Advanced Health and Safety Management

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€ Euro

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

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