



*Training Course:
Accident & Incident Investigation - Risk & Root
Causes*

*1 - 5 November 2026
Cairo (Egypt)*

Training Course: Accident & Incident Investigation - Risk & Root Causes

Training Course code: HE236596 From: 1 - 5 November 2026 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

This training program, designed by [Global Horizon Training Center](#), equips participants with the knowledge and practical skills required to effectively investigate workplace accidents and incidents, identify immediate and underlying causes, analyze organizational risks, and implement preventive actions. The program follows internationally recognized investigation methodologies and root cause analysis techniques to strengthen safety performance, reduce recurrence of incidents, and foster a proactive safety culture across the organization.

Training Objectives

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

- Understand the principles of accident and incident investigation.
- Differentiate between immediate, underlying, and root causes.
- Apply systematic investigation methodologies.
- Collect and preserve evidence effectively.
- Conduct interviews with witnesses and involved personnel.
- Perform root cause analysis using recognized techniques.
- Assess operational risks contributing to incidents.
- Develop practical corrective and preventive actions.
- Prepare professional investigation reports.
- Improve organizational safety performance through lessons learned.

Course Methodology

The program includes:

- Instructor-led presentations
- Case study analysis
- Practical investigation exercises

- Root cause analysis activities
- Incident reconstruction techniques
- Risk assessment applications
- Individual practical assignments
- Interactive discussions

Organizational Impact

Upon completion, organizations will benefit from:

- Improved incident investigation quality
- Reduced recurrence of workplace accidents
- Better regulatory compliance
- Stronger safety culture
- Improved hazard identification
- More effective corrective actions
- Enhanced operational reliability
- Better decision-making based on investigation findings

Target Audience

This program is designed for:

- HSE Managers
- Safety Engineers
- Safety Officers
- Plant Managers
- Operations Supervisors
- Maintenance Engineers
- Risk Management Professionals
- Quality Managers

- Incident Investigation Teams
- Compliance Officers
- Industrial Engineers

Outlines

Day 1 - Fundamentals of Accident & Incident Investigation

- Introduction to accident and incident investigation
- Legal and organizational responsibilities
- Types of workplace incidents
- Understanding accident causation theories
- Human factors in incidents
- Safety management systems and investigations
- Initial emergency response
- Securing the incident scene
- Preserving physical evidence
- Investigation planning process

Day 2 - Evidence Collection & Investigation Techniques

- Evidence collection procedures
- Physical evidence documentation
- Photography and scene mapping
- Equipment examination
- Documentation review
- Permit-to-work analysis
- Maintenance record evaluation
- Witness interviewing techniques
- Interview preparation

- Managing difficult interviews

Day 3 - Risk Assessment & Root Cause Analysis

- Risk identification during investigations
- Hazard analysis methods
- Immediate vs. contributing causes
- Root cause analysis principles
- The 5 Whys methodology
- Fishbone Ishikawa analysis
- Fault Tree Analysis FTA
- Barrier analysis
- Human error analysis
- Organizational and management failures

Day 4 - Corrective Actions & Investigation Reporting

- Developing corrective actions
- Preventive action planning
- Prioritizing recommendations
- Risk-based decision making
- Investigation report structure
- Writing clear investigation findings
- Presenting evidence objectively
- Communicating investigation results
- Management review process
- Regulatory reporting requirements

Day 5 - Learning from Incidents & Continuous Improvement

- Lessons learned management

- Incident trend analysis
- Safety performance indicators
- Building an organizational learning culture
- Sharing investigation findings across departments
- Monitoring corrective action effectiveness
- Auditing investigation processes
- Continuous improvement strategies
- Developing incident prevention programs
- Final review and knowledge assessment

Registration form on the Training Course: Accident & Incident Investigation - Risk & Root Causes

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

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Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
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3 Oudai street, Aldouki,
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