Training Course:
Safety Protocols for Technical Environments

4 - 8 August 2025
Kuala Lumpur (Malaysia)
Royale Chulan Kuala Lumpur

Training Course:
Safety Protocols for Technical Environments

Training Course code: HE235858 From: 4 - 8 August 2025 Venue: Kuala Lumpur (Malaysia) - Royale Chulan Kuala Lumpur Training Course Fees: 6000 ⏣ Euro

Introduction

This specialized training program, designed by Global Horizon Training Center, is developed to enhance the knowledge and skills of professionals working in technical environments where safety risks are prevalent. With a focus on critical safety protocols, this program addresses the need for comprehensive safety measures, effective risk management strategies, and a proactive approach to preventing workplace accidents and ensuring regulatory compliance. The course will provide participants with the tools and methodologies necessary to establish and uphold safety standards in high-risk technical fields such as manufacturing, construction, energy, and industrial operations.

Objectives

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

1. Understand and apply key safety protocols to prevent accidents and ensure a safe working environment.

2. Identify potential hazards in technical environments and implement corrective actions to mitigate risks.

3. Implement and manage safety management systems SMS in technical operations.

4. Ensure compliance with safety regulations and industry standards.

5. Develop and conduct effective safety training for personnel.

6. Respond effectively to emergencies and critical safety incidents.

7. Perform regular safety audits and risk assessments to ensure continuous improvement in safety practices.

Course Methodology

This program will be delivered through a combination of the following methods:

- Interactive Lectures: To introduce core safety protocols, regulations, and risk management techniques.

- Case Studies: To examine real-world safety incidents and derive lessons learned.

- Hands-On Safety Drills: Simulating safety scenarios to practice emergency response and risk mitigation.

- Group Discussions: To foster collaborative problem-solving and idea sharing.

- Safety Audits and Assessments: Participants will conduct mock audits and safety evaluations to apply learned protocols.

- Site Visits if applicable: A visit to a technical facility to observe safety protocols in action.

Organizational Impact

Implementing this training program will provide significant organizational benefits, including:

- Enhanced safety awareness and compliance with industry standards, leading to reduced workplace accidents.

- Improved employee morale and confidence, knowing that safety is prioritized.

- Minimized operational disruptions due to safety incidents, resulting in higher productivity.

- Reduced legal and insurance costs by ensuring adherence to safety regulations.

- Strengthened reputation for safety, leading to better client trust and business opportunities.

- Increased capability to handle emergency situations effectively, minimizing risk and damage.

Target Audience

This program is ideal for:

- Safety Managers and Safety Officers responsible for implementing safety protocols.

- Engineers and Technicians working in high-risk environments.

- Project Managers overseeing operations in technical fields.

- Maintenance and Operations Supervisors involved in managing technical systems.

- Health and Safety Compliance Officers ensuring regulatory adherence.

- Risk Management Professionals who are focused on mitigating operational safety risks.

Course Outline

Day 1: Introduction to Safety Protocols and Risk Management

- Overview of safety protocols in technical environments

- Key safety regulations and industry standards OSHA, ISO, NFPA

- Understanding workplace hazards: physical, chemical, mechanical, and electrical

- Risk assessment methodologies: Qualitative and Quantitative Risk Analysis QRA

- Establishing a safety culture: Roles, responsibilities, and communication

Day 2: Hazard Identification and Safety Systems

- Hazard identification techniques: Job Safety Analysis JSA, Hazard and Operability Study HAZOP

- Safety management systems SMS: Structure and implementation

- Personal Protective Equipment PPE standards and usage

- Emergency safety equipment and systems: Fire suppression, gas detection, and alarms

- Safety controls: Lockout/Tagout LOTO, machine safeguarding, and automated systems

Day 3: Safety Protocols for Equipment and Systems

- Safety standards for machinery and equipment in technical environments

- Preventive maintenance practices to avoid system failures and accidents

- Managing electrical safety protocols and systems

- Hazardous material handling and safety protocols for chemicals and explosives

- Implementing system redundancy and fail-safes in critical operations

Day 4: Emergency Response and Incident Management

- Developing emergency response plans and procedures

- Incident command and decision-making under pressure

- Crisis communication and coordination

- Effective response to fires, spills, explosions, and electrical hazards

- Post-incident investigation: Root cause analysis and corrective actions

Day 5: Auditing, Training, and Continuous Improvement

- Conducting safety audits and inspections to assess compliance

- Developing safety training programs for technical staff

- Continuous improvement: Monitoring, reporting, and reviewing safety performance

- Safety performance indicators and metrics

- Building a safety-first organizational culture through leadership and engagement

Registration form on the Training Course:
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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Full Name (Mr / Ms / Dr / Eng): ....
Position: ....
Telephone / Mobile: ....
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Company Information

Company Name: ....
Address: ....
City / Country: ....

Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): ....
Position: ....
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Payment Method

☐ Please find enclosed a cheque made payable to Global Horizon

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Telephone: +201095004484 to provisionally reserve your place.	Fax your completed registration form to: +20233379764	E-mail to us : info@gh4t.com or training@gh4t.com	Complete & return the booking form with cheque to:Global Horizon 3 Oudai street, Aldouki, Giza, Giza Governorate, Egypt.