



*Training Course:
Occupational Safety and Electrical Security*

13 - 24 July 2025

Cairo (Egypt)

Holiday Inn & Suites Cairo Maadi, an IHG Hotel

Training Course: Occupational Safety and Electrical Security

Training Course code: EN235689 From: 13 - 24 July 2025 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 6600 € Euro

Introduction

The program aims to equip participants with the knowledge and skills to ensure safety in occupational environments with a focus on electrical systems. Participants will explore practical techniques, regulatory standards, and best practices to minimize risks, prevent accidents, and enhance workplace security. This training is suitable for safety officers, electrical engineers, facility managers, and professionals responsible for occupational safety.

Objectives

- Understand principles of occupational safety and electrical security.
- Recognize and mitigate electrical hazards in the workplace.
- Implement workplace safety policies and emergency response plans.
- Familiarize with international standards and regulations for electrical safety.
- Master the use of personal protective equipment PPE and electrical safety tools.
- Conduct risk assessments and develop safety audits.

Target Audience

- Safety professionals
- Electrical engineers and technicians
- Facility managers
- Maintenance staff
- Supervisors and team leaders involved in safety management

Outlines

Day 1: Fundamentals of Occupational Safety

- Definition and scope of occupational safety
- Key concepts: hazard, risk, and incident

- Overview of workplace safety culture
- Legal and regulatory frameworks

Day 2: Principles of Electrical Safety

- Basics of electrical systems and circuits
- Common electrical hazards and their impacts
- Importance of grounding and bonding
- Identifying unsafe electrical practices

Day 3: Risk Assessment and Management

- Conducting workplace hazard identification
- Risk analysis techniques for electrical systems
- Prioritizing and mitigating risks
- Documentation and reporting procedures

Day 4: Personal Protective Equipment PPE

- Types of PPE for electrical safety
- Proper selection, use, and maintenance of PPE
- Demonstration of PPE in high-risk scenarios
- Compliance with PPE standards

Day 5: Electrical Safety Tools and Equipment

- Overview of safety tools e.g., voltage detectors, insulation testers
- Safe use of electrical tools
- Inspection and maintenance of equipment
- Role of technology in electrical safety

Day 6: Emergency Response Planning

- Developing an emergency action plan

- Procedures for electrical fire response
- First aid for electrical shock and burns
- Role-playing emergency scenarios

Day 7: Electrical Safety Standards and Regulations

- Overview of international standards e.g., NFPA, OSHA
- Local regulatory requirements
- Aligning safety practices with standards
- Understanding inspection protocols

Day 8: Electrical Installations and Maintenance

- Safe practices for electrical installations
- Routine maintenance procedures
- Troubleshooting electrical systems
- Preventive measures to avoid accidents

Day 9: Workplace Safety Audits

- Importance of safety audits
- Conducting electrical safety inspections
- Identifying and correcting non-compliance
- Reporting and following up on audit findings

Day 10: Developing a Safety-First Culture

- Strategies to promote safety awareness
- Training employees on safety practices
- Continuous improvement in safety measures
- Building a culture of accountability and compliance

Registration form on the Training Course: Occupational Safety and Electrical Security

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