



Fire Prevention & Control For Workplace Safety

Date

5th – 9th October , 2025

Venue

Cairo - EGYPT

Objectives :

- By the end of this course delegates will be able to:
 - Provide expertise to manage the health and safety process .
 - Complete supervised exercises in health and safety documentation development .
 - Provide expertise to complete and manage risks assessment .
 - Provide expertise to investigate and analyze safety statistics .
 - Monitor safety process and undertake audits .
 - Understand the importance of safety in the workplace , with special emphasis on Power plants.

Participants :

- This course is applicable to engineers and technicians who need to improve their understanding of Workplace Safety. It is of particular importance to prevent accidents and loss to the employees and the company.
- Managers and supervisors of Fire & security or emergency management, Managers and supervisors who require to initiate and monitor security and emergency management procedures, Personnel managing administration of assets or logistics .

Contents :

- **Introduction and course overview.**
- **Hazards in Various Industries**
 - Lessons from Past Accidents
 - History of Fires & Explosions
 - Hazards in Process Systems – Separation, Liquefaction, etc.,
 - Hazards in Compressor Stations & Pipeline Transportation
 - Consequences of Spills & Leaks
 - Major Effects from Chemical Accidents
 - Types of Fires & Explosions
 - Toxic Gas Dispersion
- **Working in Hazardous Areas: Basic Safety Procedures**
 - Workplace hazards & Component Inspections
 - Safe Working Practices
 - Identification of Flammable & Combustible Material/ Chemical Hazards
 - Protocol for Identifying Hazardous Material
 - Use of Permits and Procedures in Critical Areas
 - Devising Procedures & Checklists
 - Basic First Aid – Assessment of Breathing
 - Control of Shock, Burns Etc.,
- **Advanced Safety Systems & Techniques**
 - Hazard Identification Process
 - Results from Hazard Identification Procedures
 - Goal of Hazard Identification
 - Necessity for Hazard Identification & Procedure
 - Risk Assessment Procedure
 - Hazardous Area Classification in Industrial Plants
 - Selection of appropriate technique
 - Identification of Critical Equipment
 - Safety System Performance Considerations
- **Hazard Prevention & Control Measures**
 - Safety Inspection and auditing Incident Reporting
 - Importance of Accident Investigation & Reporting
 - Failure Sequences
 - Classification of Causes
 - Accident Prevention
 - Elements of Incident Investigation

To register

- **Please send an e-mail to :**
info@atecu.org
ask@atecu.org
- **Or by Fax :**
002 02 358 32 305
- **Or by Mobile:**
002 012 109 777 18
- **Or through Web-site :**
www.atecu.org
- **Or send a mail to :**
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- Reporting for Near-Misses & Accidents
- Handling Spills/ Leaks of Chemicals
- Maintenance of Equipment in Hazardous Areas
- Safety Availability & Reliability
- Protection of Equipment
- Safety of Electrical Equipment
- **Emergency Response Management**
 - Identifying the Key Components of a Safety Management System (SMS)
 - Emergency Control
 - Team and Personnel Training
 - Investigation
 - Safety Management Systems
 - Planning for Efficient Emergency Response and Crisis Management
 - Establishing a Major Accident Prevention Policy
 - Incident Develop or Crisis
 - Methodology – Risk Based Scenario Reviews
 - Responding to the Emergency
 - Activating Emergency Response Plans
 - Undertaking Crucial Decision
 - Contracting out Emergency Process
 - Choosing the Right Contractor
 - Back up Resources Required
- **Loss Prevention Policies & Procedures**
 - Risk Reduction & Control Program
 - Hierarchy of Controls
 - Safety Management Systems
 - Safety a New Perspective
 - Risk Based Safety Culture
 - Measuring Safety culture
 - System Safety and Role of communication
- **Course assessment .**

Fees	<ul style="list-style-type: none"> • USD : 3800 \$
Timing	<ul style="list-style-type: none"> • 09:00 Am – 10:30 Am (Section One) • 10:30 Am – 10:45 Am (Break) • 10:45 Am – 12:00 Pm (Section Two) • 12:00 Pm – 12:30 Pm (Break & Pray) • 12:30 Pm – 02:00 Pm (Section Three) • 02:00 Pm – 03:00 Pm (Lunch Break)
Language	<ul style="list-style-type: none"> • English & Arabic .