



Conference:
Human Error Analysis & Prevention

10 - 14 January 2027
Cairo (Egypt)

Conference: Human Error Analysis & Prevention

Conference code: CO8258 From: 10 - 14 January 2027 Venue: Cairo (Egypt) - Conference Fees: 4100 € Euro

Introduction

This course explores the role of human errors in workplace safety, focusing on job, individual, and organizational factors. Participants will learn to analyze accidents involving human failure using specialized tools to identify root causes and contributing factors. The program emphasizes practical skills for implementing effective human error analysis techniques, aimed at preventing future incidents and improving health and safety performance.

Objectives

- Explain the various human error analysis techniques and how they can be used
- Show how human behavior can lead to human errors and incidents/accidents
- Provide practical ideas and methods for observing and preventing human errors
- Review practical case studies to show how other organisation have used human error analysis techniques to prevent human errors in the workplace

Target Audience

- Health and Safety Managers and Officers
- Safety Supervisors and Safety Coordinators
- HSE Health, Safety & Environment Professionals
- Risk Assessment and Risk Management Specialists
- Operations Managers and Site Supervisors
- Industrial and Manufacturing Supervisors
- Construction Site Managers and Engineers
- Safety Inspectors and Compliance Officers
- Incident Investigation and Accident Analysis Specialists
- Professionals responsible for workplace safety performance improvement
- Engineers and technicians involved in operational safety
- Anyone involved in identifying, analyzing, and preventing workplace accidents and human error incidents

Outlines

Day 1: Introduction to Human Error

- What is human error?
- Understanding the different types of human error
- Human Error related workplace and job task causation factors

- Human failures in the causes of accidents/incidents
- Exercise: Define human error and prevention objectives

Day 2: Human Error Analysis Factors

- Managing Rule-Breaking situations Violations
- Human behavior patterns leading to human errors
- Cultural behavior and sensory and perception
- Using the Shell "Hearts and Minds" toolkit to improve human behavioral factors
- Exercise: List the different types of human errors and prevention options

Day 3: Observation Methods for Unsafe Acts and Conditions

- Using the Dupont "STOP" on-site safety observation tool for
 - Observing Substandard Practices and behavior
 - Observing Substandard Conditions
- Using "Job Safety Analysis" to identify and assesses types of human errors
- Exercise: Identify human errors of presented accident scenario

Day 4: Human Error Analysis Techniques

- Analyzing site operations human error situations
- Using the "Human Reliability Assessment" HRA human error analysis technique
- Human error observation and prevention options
- Options and Solutions for preventing human errors
- Exercise: Using Fault Tree Analysis method to analyze human errors

Day 5: Human Error Analysis & Prevention - Getting Started

- Identifying and categorizing human errors in the workplace
- Considering Human factors when analyzing incidents and accidents
- Review of Human factors in existing work methods and procedures

- Human error analysis within the health and safety management system
- Exercise: Checklist for observing human errors in the workplace
- Course Review: Key points summary of course topics

Registration form on the Conference: Human Error Analysis & Prevention

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