



*Conference:  
Human Error Analysis & Prevention*

*4 - 8 November 2024  
Manchester (UK)*

## Conference: Human Error Analysis & Prevention

Conference code: CO8258 From: 4 - 8 November 2024 Venue: Manchester (UK) - Conference Fees: 5775 € Euro

### Introduction

Human errors refer to the environmental, organizational, and job factors, and human and individual characteristics which influence the behavior at work in a way which can affect an organization's health and safety performance. A simple way to view human error is to think about three aspects: the job, the individual, and the organization and how they interact to impact on health and safety-related human behavior.

After an accident involving human failure - using human error analysis tools can identify the causes and contributing human error factors. Establishing these underlying causes of an accident/incident is the key to preventing similar human error accidents/incidents.

This course is aimed at providing delegates with the practical on-site knowledge and skills to develop and successfully implement effective human error analysis techniques.

### Conference Objectives of Human Error Analysis & Prevention

Participants attending the conference will:

- 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 organisations have used human error analysis techniques to prevent human errors in the workplace

### Conference Methodology

Delegates will learn by active participation through inspiring presentation tools and interactive techniques presented in a lively, enthusiastic, and interesting style. Delegates will take part in practical human error analysis exercises and group discussions, as related to their own organization's workplace activities.

### Conference Outlines of Human Error Analysis & Prevention

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

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Company Information

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

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
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