



Human Error Analysis & Prevention Training Conference

5 – 9 July 2027
Vienna (Austria)





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Introduction:

Human errors refer to environmental, organizational, and job factors, as well as human and individual characteristics, that influence work behavior in a way that 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 health and safety-related human behavior.

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

This human error prevention and performance improvement conference aims to provide delegates with the practical on-site knowledge and skills to develop and successfully implement effective human error analysis techniques.

Enhancing Human Performance Improvement Training:

Participants in this human error prevention and performance improvement conference will receive human performance improvement training designed to elevate the reliability and efficiency of the human element in the workplace.

This human error prevention and performance improvement training workshop embodies strategies to prevent human error by instilling best practices and tools for human performance. These tools make critical operations more resilient to the risk factors associated with human elements.

Participants will participate in an interactive human error prevention and performance improvement conference, where they can share experiences, gain insights from human performance experts, and work on a human performance project focused on the practical application of learned skills.

Targeted Groups:

- HR Professionals
- Those seeking new prevention and mitigation approaches to solve human performance problems
- Those seeking techniques to analyze facilities, systems, and operations proactively and reactively

Conference Objectives:

At the end of this human error prevention and performance improvement conference, the participants will be able to:

- Learn the underlying reasons why human errors occur.
- Explain the various human error analysis techniques and how they can be used.
- Learn how to correct human performance issues before they cause problems.
- Learn how to assist others in your organization with human performance in your operations.
- 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 organizations have used human error analysis techniques to prevent human errors in the workplace.

Targeted Competencies:

At the end of this human error prevention and performance improvement seminar, the participant's competencies will be able to:

- Analytical thinking.
- Problem-solving.
- Culture and behavior.

Conference Content:

Unit 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 are the cause of accidents/incidents.
- Define human error and prevention objectives.

Unit 2: Human Error Analysis Factors:

- Managing Rule-Breaking situations Violations.
- Human behavior patterns lead to human errors.
- Cultural behavior and sensory and perception.
- Using the Shell' Hearts and Minds' toolkit to improve human behavioral factors.
- The different types of human errors and prevention options.

Unit 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 assess types of human errors.
- Identify human errors in the presented accident scenario.

Unit 4: Human Error Analysis Techniques:

- Analyzing site operations and 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.
- Using the Fault Tree Analysis method to analyze human errors.

Unit 5: Human Error Analysis and Prevention - Getting Started:

- Identifying and categorizing human errors in the workplace.
- Consider 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.
- Checklist for observing human errors in the workplace.

Conclusion:

Upon completing this comprehensive human error prevention and performance improvement training, delegates will earn a human performance certification, acknowledging their proficiency in human error prevention training and enriching their potential to contribute to improving human organizational performance.

By the end of this human error prevention and performance improvement training, participants will have a deeper understanding of human performance improvement, how to implement performance training solutions, and how to become advocates for prevention and support training within their organization, contributing to a culture of excellence and safety.