Human Factors Foundation Training

BILGINC IT Academy
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Duration: **5 Day**

Overview

This 5 day course delivers a comprehensive introduction into human factors for non-specialists. It provides a practical, engaging and interactive background to key topic areas, as well as to how human and organisational factors (HOF) can be applied within the workplace. Successful candidates will receive the Human Factors Foundation Certificate allowing them to demonstrate the skills that have been gained during the course.

Prerequisites

Who should take this course?

- Those working within operating companies - including managers, operators and supervisors (anyone with a responsibility for people, safety and the environment)
- Those receiving university training as a prelude to working within major accident hazard industries (eg. engineering degrees, business degrees, (such as MBA's) as well as recent graduates

What You Will Learn

- the meaning of HOF and the scope of the subject
- common approaches to the management of HOF, and appreciate the benefits of applying these approaches in a major accident hazard context
- how HOF techniques can be integrated with other risk management activities

This course is designed to:

- provide a comprehensive practical introduction to human factors
- give non-specialists a basis from which to begin implementing HOF within their work

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Outline

Module 1: Overview of human and organisational factors

- Introduction to human and organisational factors
- Human and organisational factors in process safety
- Human failure events
- Safety culture

Module 2: Human and organisational factors in risk management

- Human and organisational factors in investigation
- Qualitative human reliability analysis
- Quantitative human reliability analysis

Module 3: Human and organisational factors in work systems

- Procedures and competence management
- Workload and staffing
- Fatigue and shift-work
- Safety critical communications
- Management of human and organisational factors

Module 4: Human and organisational factors in design

- Introduction to HOF in design
- Managing HOF in design

Module 5: Non-technical skills

- Introduction to non-technical skills
- Communication
- Teamwork
- Situation awareness
- Decision-making
- Leadership