HKSEA

Crafting Safety-Critical Industry

Module: Human Performance and Error in Accident Causation

Overview

Human Performance and Error in Accident Causation performance refers to how individuals execute tasks and make decisions, significantly influencing accident causation.   Factors affecting performance include training, experience, and situational awareness, collectively known as Performance Influencing Factors (PIF).

The interplay between the human body and environmental conditions also impacts performance, highlighting the importance of ergonomic design and situational context.

The SHEL model illustrates this relationship, emphasizing the interaction between Software (procedures), Hardware (tools), Environment (conditions), and Liveware (people).

Understanding these dynamics is crucial in accident investigations, as many incidents stem from human error. By analyzing performance factors, organizations can identify root causes of accidents and implement targeted interventions to enhance safety, such as improved training programs and better working conditions.

Programme Code   M_HP

Programme Outline

- What is human performance?

- Influence

- Performance Influencing Factors (PIF)

- Body and environment

- SHEL Model

Programme Class   Classroom face-to-face

Contact Hours   4 hours

Certificate   Certificate of Completion