

Human factor and incident safety investigation

Course Objectives:

- ❖ Reinforce a practical understanding of human performance, human factors within the organization
- ❖ Turn theory into practice that has direct applicability to the organization daily activities
- ❖ Exchange ideas and focused concepts with other professionals
- ❖ Practical knowledge on the components of organizational safety culture and how to develop the concomitant metrics for assessment
- ❖ A practical understanding of error classification systems and how to apply them effectively in daily operation and integrate into the whole organization departments
- ❖ Have increased their knowledge on methodology of data collection of accidents and incidents
- ❖ Have better knowledge of accidents investigation methods
- ❖ Have increased confidence to anticipate and prevent accidents and incidents.
- ❖ Provide the necessary leadership qualities to ingress safe working methods amongst staff on jobs.

Course Main Topics:

- ❖ Introduction to human factor
- ❖ Human factor as part of safety management
- ❖ Human factor analysis and classification scheme-
- ❖ Practical application of human factors/How to address human error within an organization
- ❖ Human factors in decision-making
- ❖ Barriers to effective decision making, organizationally and individually
- ❖ Behavior-based observation system
- ❖ Safety culture and organizational factors
- ❖ Human error—error principles, event investigation, and case studies
- ❖ Human performance and limitations, to include ergonomics
- ❖ Environmental considerations
- ❖ Procedures, information, tools, and task sign-off practices
- ❖ Planning for tasks, equipment, and spares
- ❖ Communication
- ❖ Teamwork
- ❖ Professionalism and integrity
- ❖ Shift and task turnover/Fatigue management and fitness for duty
- ❖ Human factor risk culture/Human factor in incident and accident
- ❖ Accident causation– the essence of what is required, what to look for, and how to foster a reporting Culture – The essence of a safety culture and its impact on an organization’s effectiveness, positive and negative.
- ❖ Organizational effectiveness – how to create and foster trust with the correct SMS processes
- ❖ Understanding important terms in Safety management in general and Accident management.

- ❖ Employer's obligation to provide safe working conditions devoid of Incidents and Accidents.
- ❖ Reporting system including free flow of information on incidents and accidents. Data collection of Incidents, database development, Accidents, and incident classification scheme.
- ❖ Investigation of Incidents and Accidents and data analysis
- ❖ Human errors contributing to Incidents, Accidents, and reduction of such errors.
- ❖ Rectifications required improving the individuals' performances.
- ❖ Defining employees' role in decreasing Incidents and Accidents

Who Should Attend: Personnel operating SMS and SSP

Course Duration: One Week (45 Hours)