

Accident & Incident Investigation Z HSE-20

Duration :

Three days 18 Hours

Who Should Attend :

Fire Fighters, HSE Engineers Supervisors
from refineries and tank farms

Language :

Arabic, English

Overview :

The course will give good knowledge of modern and advanced accident/incident investigation and the know how to define the root cause in order to provide the corrective actions

Topics

- Overview of safety case concept for major hazards Mechanics of fire, explosion and toxic release Modeling tanks and fire release of flammable and toxic substances
- The application of commercial software for consequences modeling
- Accident analysis – The chain of events Management system failure and human error Analysis of major accidents
- Origins of qualified risk assessment
- The role of risk assessment as proactive accident analysis tool
- The safety case concept and applications
- Element of risk management “prioritizing” action planning and implementation
- Human error and accident causation latent and active error
- Project Health, Safety and Environment plan
- The role of modern accident investigation and analysis techniques
- Techniques of human reliability analysis
- Qualified Risk Assessment QRA
- Evaluation of risk for people, environment and costs
- The concept of cost - benefit analysis CBA
- Preparation of action plans
- Prioritizing and targeting corrective target setting and preventive measures
- Implementing, control and review of action plan

