

Hazards Area Classification Z HSE-07

Duration :

Three days 18 Hours

Who Should Attend :

Safety Engineers, process engineers
Maintenance engineers as well as asll
management levels

Language :

Arabic, English

Overview :

By the end of this course the attendees will be familiar with the classification of hazardous areas and how a safe electrical installation is done in a hazardous zone. Also, they will be familiar with the manufacturing standards and methods of protection which will be covered using case studies

Topics :

- Introduction and Definitions
- Flammable Gases and liquids
- Purpose of Electrical Classification
- Sites with an explosion hazard
- Hazardous Location Types (Classification)
 - Class I Locations
 - Class II Locations
 - Class III Locations
- Hazardous Location Conditions
- Boil over & slop over of crude oil
 - Division 1
 - Division 2
- Nature of Hazardous Substances
 - Class I (Gas) Groups
 - Class II (Combustible Dust) Groups
- Requirements for the Equipment Used in Hazardous Locations
- Auto ignition temperature for gas mixture
- Explosion proofs Electrical Equipment
- API, IP codes and European Directive 94/9/CE
- The selection of electrical equipment and installation rules
- Workshop and conclusion

