

4072

Gas Explosion Hazards on Offshore Facilities 2-Day Course

Program Content:

An advanced course looking into explosion hazards on offshore facilities. The course addresses all aspects of explosion hazards: ignition processes, release and dispersion, explosion mechanisms, blast loads and modeling of all these aspects. On the second day, a visit and tour of the TEEEX Brayton Fire School is planned where the course attendants will experience at least one large-scale fire demonstration. This course is beneficial for safety and structural engineers.

Day 1:

- Gas Explosion Basics
- Explosion Accidents: Statistics and Examples
- Rough Offshore Explosion and Investigation
- Release and Dispersion in Offshore Facilities
- Ignition Sources—Fundamentals
- Preventative Measures
- Mitigation and Control

Day 2:

- North Sea—Lessons Learned
- Advanced Explosion Modeling
- Explosion Analyses
 - Part 1: Objective and Motivation
 - Part 2: Explosion Risk Analyses—Simple Approach
 - Part 3: Explosion Risk Analyses—Advanced Approach
 - Part 4: Selected Examples of Safety Case Analyses

Who Should Attend?

Safety engineers, investigation team leaders, process safety management coordinators

1.4	14
CEUs	PDHs