

Emergency Shutdown System

Course Contents:

Module #1

- Introduction to ESD in oil & gas
- Main objectives for ESD in plant
- Plant safety system main component
- Consequences of an emergency situation

Module #2

- Plant control & monitoring systems
- Field mounted sensors, valves& trip relays (types-function)
- Cause and effect type analysis
- Case study for fire protection system

Module #3

- Applications of Emergency Shutdown Systems
- Hydrocarbon Inventories' Isolation System
- Emergency Ventilation System
- Safety Integrity Level

Module #4

- Safety Integrity Level 1 (SIL 1,2,3,4)
- Overflow Control and Vacuum Protection

EXPERT

EXPERT & PROFESSIONAL EXCELLENCE FOR TRAINING & CONSULTATIONS

- Gas Burning Safety System
- Alarm Management Lifecycle
- Explanation of emergency release ERS and ESD Interface.

Module #5

- Control system & PLC
- Case study (types of Emergency Shutdown scenarios)
- Summery

Location	Conrad Hotel
Start Date	24 Nov 2024
End Date	28 Nov 2024
Fees Before Discount	3500 \$
Special Discount	20% (To Nominate Four Participants)
Fees After Discount	2800 \$