



PROCESS SAFETY FUNDAMENTAL Training

Learn to understand the basic knowledge of process safety, what is the process safety? Learn on how we are manage and handling the potential hazardous material, assess the size of outcome impact, how to control the hazard impact and mitigation if happen,

COURSE DESCRIPTION

- Explore and review several process safety incident in the past from different typical process industries
- Definition of Risk, tolerable risk criteria, ALARP
- The different between Process Safety and Occupational Safety
- Understanding of Process safety hazard and the consequence and how to mitigate the event.
- Understanding of safety life cycle and how to manage and control the residual risk
- Hazard associate with specific plant system & equipment such as piping system, storage facilities, pump, fire heater, etc
- How to perform hazard evaluation and assessment technique, such as process hazard analysis using HAZOP method. HAZID, What-if, and Bow Tie

- Understanding of SIL, SIF, and SIS.
 - *Introduction of LOPA and other SIL study method*
 - *Definition of IPL*
 - *LOPA methodology*

COURSE CONTENT

- Understanding of Risk
- PHA
- SIL, SIF and SIS
- Safety Life Cycle
- Risk Assessment technique
- HAZOP, HAZID, LOPA, What if, Bow Tie
- Equipment lay-out

WHO SHOULD ATTEND?

- Managers - Operations, Safety, and Executive
- Engineers - Process, Safety, Instrument, and Mechanical
- DCS and Field Operator

Total Session
2 hari x 8 Jam



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