



EDUARDO CALIXTO
CONSULTING

Process Safety for Oil and Gas Industry

SECURE YOUR PARTICIPATION!

Website: <http://www.eduardocalixto.com>

Email: ec@eduardocalixto.com

Why Should attend this training ?

- To understand the Risk concept as basic of Risk assessment and evaluation.
- To understand and implement the individual risk, societal risk and ALARP concepts.
- To understand and Implement the Risk Management concept and its different steps such as hazard identification, risk assessment, risk evaluation and risk mitigation.
- To understand and implement the qualitative Risk Analysis methods such as HAZOP, HAZID, PHA, FMEA, RBI
- To understand and implement the quantitative Risk Analysis methods such as FTA, ETA, SIL, LOPA, Bow Tie, QRA
- To understand and implement the Risk analysis methods applied to environment license.
- To understand and implement the Risk Management concept as basic of safe integrity asset performance achievement.
- To understand and implement the consequence and effect analysis

Who Should attend this training ?

Reliability Managers, Reliability Engineers, Safety Engineer, Asset Managers, Maintenance Managers, Maintenance Engineers.

Training Outline:

Day 1:

- Module 1: Introduction.
- Module 2: Risk Management concept and Risk criteria.
- Module 3: Occupational Hazards .
- Module 4: Preliminary Hazard Analysis (PHA).
- Module 5: Hazard and Operability Analysis (HAZOP).
- Module 6: Failure Mode and Effect and Criticality Analysis (FMEA).
- Module 7: Risk Based Inspection (RBI)
- Module 8: Statistic Concepts
- Module 9: Reliability Concepts.

Day 2:

- Module 10: Fault Tree Analysis (RBI).
- Module 11: Event Tree Analysis (ETA), Layer of Protection Analysis (LOPA) & BTA.
- Module 12: Safety Integrity Level Analysis (SIL).
- Module 13: Consequence and Effect analysis
- Module 14: Emergency Response Plan
- Module 15: Vulnerability Analysis
- Module 16: Human Factor in Process safety
- Module 17: Process Safety Management



Trainer : Dr Eduardo Calixto, CRP, CFSE.,

He's Reliability and Safety Engineer Expert with over 18years experiences in Oil & Gas, Railway, Aerospace and Mining Industries. He has Doctoral Degree in Energy and Environmental, Master in safety System Management, Bachelor in Industrial Engineering. Author of the best seller Book Gas and Oil Reliability Engineering: Modeling and Analysis (material content of this training).

