
Process Safety in Engineering Projects

Overview

Any project requires the evaluation of the process during different phases to ensure it is within the limits of scope, quality, schedule, budget, resources, etc. Process Safety Management within a Project is not an exception. A proper step by step review of the different stages is required, from Process Safety point of view, to ensure that in addition to compliance in terms of scope, quality, schedule, budget, and resources, it is also in compliance with the safety regulations and most important: It is safe to operate. In this course the participant will learn about the different Risk Evaluations methods and its use in the different project stages to ensure delivering a project that is safe to operate

Program Outline

- 1. Project Management**
- 2. Process Safety Management**
- 3. PSM – Project Integration**
- 4. Concepts of Risk, Process Hazard Analysis**
- 5. Introduction to Process Hazard Analysis**
 - a. Background
 - b. Concepts
 - c. PHA 5 W
- 6. Other Hazard Analysis**
 - a. Background
 - b. Concepts
 - c. HA 5 W
- 7. Project Stages**
 - a. Definitions
 - b. Applicable Risk Evaluation
 - c. Interpretation of Results
- 8. Key Documentation**
 - a. Exercise

Who should attend?

Program is intended for Operators, Engineers, Project Managers and anybody that is required to participate in Process Hazards Analysis Studies during the Life Cycle of a Project, including commissioning. Any Safety Professional will also benefit from this training.

Learning Outcome:

After the course, the participants will be able to:

- ✓ Understand the importance of Process Safety in Engineering Projects
- ✓ Understand the Process Safety needs of each stage of a project
- ✓ Understand the stages decision levels based on Process Safety
- ✓ Define what you need for your project in terms of Process Safety

Instructor:

Germán Luna-Mejías, BSc ChE, P. Eng., FS Eng. (PH&RA).

Member of AIChE, CSChE and Professional Engineer in Alberta, Canada.

He holds a Chemical Engineer Degree from Universidad Simon Bolivar (Venezuela); with more than 35 years of experience in the Oil & Gas Industry in Venezuela and Canada. Broad experience in Process Engineering, Operation's Engineering, Process Safety and Volunteer Firefighter for Refinery Operations. His work in Process Safety is focused in HAZOP/LOPA facilitation, consulting and training. He has authored and presented several papers in worldwide conferences: Global Congress for Process Safety, Canadian Chemical Engineers Society Annual Conference (PSM Symposium), Jordanian International Chemical Engineers Conference, and Latin-American Process Safety Conferences. He is the founder of LUPATECH CANADA.

Additional program details

- This program is 8 hours long. (2 days x 4 hrs each is also available).
- International standards (CCPS, API) are used in this training.
- Completion certificate available
- Training available virtual & on-site for larger groups.

Information & Registration :

- Email us: german@lupatechltd.ca