
Introduction to Process Safety Management

Overview

This program describes the basic concepts of Process Safety Management by making a clear difference between Occupational safety and Process safety. Historical approach to process safety is reviewed with real life examples. Using key words from CCPS this program explains the elements of PSM and its interaction as well as the safety culture which is the main driving force in any safety program. At the end, guidelines on next steps for PSM implementation are reviewed.

Program Outline

- 1. Safety**
 - a) Occupational Safety
 - b) Process Safety

- 2. Process Safety Management**
 - a) History
 - b) Concept

- 3. PSM approach**
 - a) API
 - b) OSHA
 - c) CCPS

- 4. Process Safety Management Elements**
 - a) Elements
 - b) Importance
 - c) Identifying key elements

- 5. Moving forward**
 - a) Commitment
 - b) Learning from experience
 - c) Manage the Risk

- 6. Implementation**
 - a. Safety Culture
 - b. Continuous Improvement
 - c. Next steps

Who should attend?

Program is intended for all levels of the organization that is moving towards Process Safety Management culture and any professional that is starting the career in Process Safety.

Learning Outcome:

After the course, the participants will be able to

- ✓ Understand the difference between Occupational Health & Safety and Process Safety Management
- ✓ Understand the PSM structure to reach a good Process Safety environment
- ✓ Understand the elements of Process Safety and its importance and relationship.
- ✓ Prepare a basic PSM implementation program.

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