

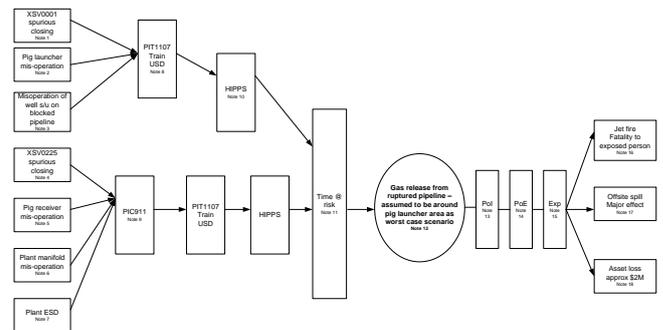
To determine whether the risks associated with process hazards are managed to an acceptable level, a risk assessment must be carried out. There are a number of techniques available, however, picking the correct tool is critical to performing an effective assessment. The aim of this course is to provide an understanding of the various techniques and how they can be applied to different process hazards.

Overview

The identification of process hazards is often captured with techniques such as HAZOP. The main objective of these studies is to identify the process hazards. To make a decision on whether process designs or operations are acceptable, we often need to subject them to a risk analysis. The importance of assessing risk has been escalated under the HSWA 2015 and associated regulations in NZ.

There are a number of risk assessment techniques that can be performed, but not all are suitable to each situation. There are qualitative techniques such as risk matrices, semi-quantitative techniques such as LOPA and fully quantitative techniques that include consequence and likelihood modelling.

The objectives of this Risk Assessment course are to develop the skills necessary to select and perform the appropriate risk assessment technique and ensure the process can be effectively integrated into a company's process safety management processes.



Course Content (2 days)

- Process safety history and hazard identification
- Types of risk assessment
- Risk targets
- Bow tie analysis
- Calibrating a risk matrix
- Layer of protection analysis
- Fault tree analysis
- Consequence analysis and risk profiling
- Integrating risk analysis into a company's operations



Safety Solutions Ltd are New Zealand's leading Process Safety consultants and trainers.

As part of our consultancy portfolio, Safety Solutions Ltd can facilitate a wide range of risk assessment and hazard identification reviews. We can also mentor your team and your facilitators in review facilitation.

Our training courses are also offered as in-house courses with industry specific examples and workshops. For more information about any of our courses please contact Safety Solutions:

E: training@safetysolutions.co.nz

W: www.safetysolutions.co.nz

Other courses by Safety Solutions

- Introduction to Process Safety for Management (1 day)
- Introduction to Process Safety for Operators & Engineers (1 day)
- Hazardous Area Classification (2 days)
- HAZOP Participants (1 day)
- HAZOP Leader (2 days)
- Advanced HAZOP (1 day)
- SIL Facilitator (2 days)

Delivered by Safety Solutions for IChemE

- Fundamentals of Process Safety (5 days)
- Layer of Protection Analysis (2 days)