

HAZOP studies are the process industry's accepted standard for critically examining planned or existing processes and procedures and identifying associated hazards to people, the environment or the equipment. The aim of this course is to train the course participants to become effective and efficient HAZOP review facilitators.

Overview

A hazard and operability study (HAZOP) is a structured and systematic examination of a planned or existing process or operation in order to identify and evaluate problems that may represent risks to personnel or equipment, or prevent efficient operation. A HAZOP review also generates an in depth understanding of the process for all participants, leading to a more robust and reliable plant.

A HAZOP review team usually consists of 6 – 10 persons. Depending on the scope and size of the review, it can take anything from 1 day to several weeks. Having a facilitator who is trained in facilitation not only significantly improves the quality of the outcome but will also shorten the duration of the review.

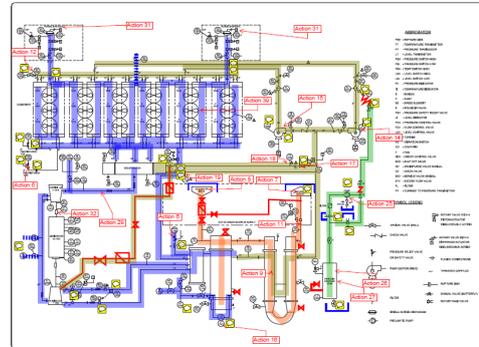
The objectives of the HAZOP leaders' course are to develop the skills necessary to organise and lead a HAZOP, develop an awareness of the factors that influence the performance of the HAZOP review team and to challenge existing practices or confirm the status quo at your facility.

This training is aimed at engineers who already have experience with HAZOP and aim at becoming a HAZOP leader.

Every course attendee will get the opportunity to lead, scribe and critique a workshop HAZOP.

The course includes a test which allows the participants to demonstrate competency in Unit Standard 19341 and progress towards Unit Standard 27243.

The HAZOP Leader course has been peer reviewed and accredited by the Institution of Chemical Engineers (www.icheme.org).



Course Content (2 days)

- History of Process Safety and Legal Requirements
- The Elements of the HAZOP Review (and what makes it different from a design review)
- The Meeting Agenda
- Alternative hazard identification methods
- What can cause a HAZOP to fail?
- Team dynamics and the role of management
- The HAZOP in the life cycle of the project
- Hazard vs Risk and the relationship between HAZOP and QRA, SIL & LOPA
- Workshops on continuous processes, batch processes and instructions

Maximum number of attendees: 10



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

As part of our consultancy portfolio, Safety Solutions Ltd can facilitate HAZOP and other types of hazard identification and risk assessment reviews. We also offer to mentor your team 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)
- Advanced HAZOP (1 day)
- SIL Facilitators (2 days)
- Risk Assessment (2 days)

Delivered by Safety Solutions for IChemE

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