

Advanced HAZOP Course



HAZOP is a rigorous review to identify hazards associated with the design and operation of process plants. Facilitating a HAZOP is a demanding task: A good facilitator successfully juggles the elements of the technical challenges of the process, the dynamics of the review team and the rigour required by the review. This course is aimed at HAZOP facilitators who want to refresh their knowledge or to take their facilitation skills to the next level.

Overview

So, you are a trained HAZOP leader and have facilitated a few HAZOPs. You are generally familiar with the requirements of the review and you are wondering how to improve your review facilitation skills or brush up on your HAZOP knowledge.

You may have asked yourself some of the following questions:

- Why do my HAZOPs take longer than anticipated? How can my HAZOPs become more effective?
- How do I deal with a new process or perform a HAZOP on a control system?
- How much risk assessment can and should be done during HAZOP
- How does HAZOP tie into the requirements of subsequent IPF and SIL reviews?

This 1 day training course provides tricks of the trade by New Zealand's most experienced HAZOP facilitators and guided workshops on core elements of the HAZOP review.

Safety Solutions' HAZOP leaders course is an IChemE approved training course.



Course Content (1 day)

- Preparation & Terms of Reference
- Equipment failure modes
- Advanced HAZOP technique: Adding failure effects and human error
- HAZOP Reporting & Facilitator's comments
- HAZOPing new processes
- Risk assessment in HAZOP
- Tying HAZOP into IPF & SIL assessments
- HAZOPing control systems

Maximum number of attendees: 20



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)
- HAZOP Leader (2 days)
- 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)