

Reliability Academy

Reliability Engineering Training Courses

HAZOP

Hazard and Operability Study

Goal: HAZOP (Hazard and Operability Study) is one of the most popular detailed risk analysis methods in process industry. This course will show you how to prepare, execute, implement and report a HAZOP. The method will be described with examples and brainstorming techniques.

1. Overview: HAZOP Study

- Basic terms and concepts, Hazop Background, Objectives.

2. Features of HAZOP

- Purpose, How and Why is used.
- Hazop steps

3. Documents needed for HAZOP

- Preliminary HAZOP documents. Detailed HAZOP documents.

4. Study Procedure and Guidelines

- Guide Words, guide word lists
- Analysis target: Process line examination. Flowchart. Division into sections.
- Using Hazop analysis forms
- Preparation of study report.
- Exercises.

5. How to Manage HAZOP

- Organization for a Hazop study. Role of Hazop Leader / secretary
- Basic rules for a successful Hazop session
- Questioning techniques.
- Case study.

6. Discussion Session

- Course key points. Questions.