



## HAZOP Study Management

02 - 06 Jun 2024  
Amman (Jordan)



# HAZOP Study Management

**Ref.:** 9460\_291274 **Date:** 02 - 06 Jun 2024 **Location:** Amman (Jordan) **Fees:** 2900 **Euro**

## Introduction:

HAZOP Hazard and Operability study is one of the most widely used hazard identification methods in the world and is utilized across many different industries. Countless potential risks and problems can be identified by using the systematic and structured approach of HAZOP.

A successful HAZOP study is only possible if the study is led effectively. Without good leadership, studies 'drift' and become, at best, design reviews; or, at worst, contractual arguments. This course will provide participants with an understanding of the HAZOP methodology and why it works, as well as key skills to take on the role of a HAZOP Team Leader.

Participants will learn how to function as a HAZOP study Leader including: preparing and selecting a team, choosing nodes, estimating timescales for completion, avoiding common problems, and formulating reports

## Targeted Groups:

This course is suitable for personnel who are required to lead HAZOP studies in any industry. Participants must have experience as a team member and understand the HAZOP methodology

## Course Objectives:

At the end of this course the participants will be able to:

- Prepare for a successful HAZOP study that identifies scope and timeframes
- Select and motivate the HAZOP team to complete the study on time and with results
- Guide productive HAZOP study meetings to reach positive outcomes
- Identify and solve problems that arise during HAZOP studies
- Create effective and user-friendly HAZOP study reports
- Analyze HAZOP study results and make organizational improvement recommendations

## Targeted Competencies:

- Developing the HAZOP Study
- Leading the HAZOP Study
- Report Writing
- Team Management

## Course Content:

### Unit 1: The Role of HAZOP:

- The role of HAZOP in risk assessment
- What happens when it goes wrong?

## **Unit 2: Historical Perspective:**

- The origins and development of HAZOP
- HAZOP terminology

## **Unit 3: HAZOP and Safety:**

- The benefits arising from the application of HAZOP
- The drawbacks of not employing HAZOP
- The requirements of a 'safe' plant, and how HAZOP helps to ensure that these are in place

## **Unit 4: Leading the HAZOP Study:**

- The HAZOP definition and understanding
- What are the hazards?
- What are operability problems?
- HAZOP preparation
- Defining the scope of the study
- The information required

## **Unit 5: Part Node Definition:**

- Continuous processes
- Batch processes
- Procedural studies
- HAZOP timeframe
- Team definition and requirements
- Starting the HAZOP team discussion

## **Unit 6: Putting a HAZOP Study into Practice:**

- A continuous and guided HAZOP
- Preparing the study
- Taking the lead
- Identifying the components
- Formulating the team
- Motivating the team

## **Unit 7: Reviewing the HAZOP Case Study:**

- Identifying common mistakes
- What needs to be changed
- Improvement methods
- Preparing HAZOP reports
- Implementing recommendations



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