

## PROCESS HAZARD OPERABILITY STUDIES (HAZOP) 5 Days (Team Leader)

### Why HAZOP studies are critical?

Hazard identification, risk assessment and risk control has become a standard best practice across all industries, besides the legal requirements for compliance. The need for a set of formal hazard identification and elimination procedures resulted in the development of Hazard and Operability (HAZOP) studies.

The purpose of HAZOP is to identify all potential hazards in a process when the process is reviewed in a structured and systematic manner against all foreseeable loss conditions.

This course will provide the Learner with the necessary knowledge and understanding to identify the hazards, assess the risks and to develop preventative controls.

### Objective

To empower people who have the responsibility to ensure a safe design of a process, by proactively identifying the hazards and associated risks related to operational processes.

### Target Audience

All persons whose work related activities involve the management and control of occupational safety, health, environmental and quality issues.

- Process / Plant / Project / Metallurgical Engineers
- Chemical Engineers
- Plant Operators
- Instrument Engineers and Technicians
- Safety / Loss Prevention / Risk managers, advisers and leaders.
- Technical / Development / Research officers, Technicians and Leaders
- Others who would be involved in HAZOP studies
- Risk Assessors
- Management
- Employees responsible for HIRA

### Course Content

- Overview
- Legal Requirements
- Introduction to Flow Sheets
- Introduction to Hazard Identification
- Introduction to HAZOP
- HAZOP Study Methodology
- Alternative HAZOP Applications • HAZOP Workshops
- The Role Of The HAZOP Leader
- HAZOP Recommendations, Reporting and Follow-Up
- Risk Measurement
- HAZOP Worksheets

DURATION	TIMES	COST PER PERSON	VENUE
4 hours		R800.00 (Excl Vat)	Centurion Area
3 Day	08:00 to 16:30	R4,800.00 (Excl Vat)	Centurion Area
5 Days	08:00 to 16:30	R 9,120.00 (Incl VAT)	Centurion Area