



*Training Course:
HAZOP Leadership and Management*

*5 - 9 April 2027
Cape Town (South Africa)
DoubleTree by Hilton Cape Town - Upper Eastside*

Training Course: HAZOP Leadership and Management

Training Course code: LS32457 From: 5 - 9 April 2027 Venue: Cape Town (South Africa) - DoubleTree by Hilton Cape Town - Upper Eastside Training Course Fees: 6350 € Euro

Introduction

Hazard and Operability Study HAZOP is one of the most widely used and effective process hazard analysis techniques for identifying operational risks, safety issues, and process deviations within industrial facilities. Effective HAZOP leadership and management are critical to ensuring safe operations, regulatory compliance, operational reliability, and risk reduction across high-risk industries such as oil and gas, petrochemicals, power generation, manufacturing, and process industries.

The HAZOP Leadership and Management program is designed to equip participants with the leadership, technical, and facilitation skills required to successfully plan, lead, manage, and participate in HAZOP studies. The course focuses on HAZOP methodologies, risk assessment, team leadership, process safety management, operational excellence, and decision-making to improve safety performance and operational integrity.

Course Objectives

By the end of this training program, participants will be able to:

- Understand the principles and methodologies of HAZOP studies.
- Lead and facilitate HAZOP sessions effectively.
- Identify process hazards, operational deviations, and potential risks.
- Apply risk assessment and hazard evaluation techniques.
- Improve leadership and communication within multidisciplinary HAZOP teams.
- Develop recommendations to reduce operational and safety risks.
- Integrate HAZOP findings into process safety management systems.
- Enhance decision-making and problem-solving capabilities in high-risk environments.
- Support operational reliability, compliance, and continuous improvement initiatives.

Target Audience

- Process Safety Engineers
- Operations and Production Managers
- HAZOP Team Leaders and Facilitators
- Plant Managers and Supervisors
- Project and Commissioning Engineers
- Risk Management Professionals
- Maintenance and Reliability Engineers
- Health, Safety, and Environment HSE Professionals
- Oil, Gas, Petrochemical, and Industrial Operations Personnel

5-Day Training Outline

Day 1: Introduction to HAZOP and Process Safety

- Fundamentals of process safety management
- Introduction to HAZOP methodology
- Objectives and benefits of HAZOP studies
- Roles and responsibilities within HAZOP teams
- HAZOP terminology and guide words
- Understanding process deviations and hazards

Day 2: HAZOP Study Preparation and Leadership

- Planning and organizing HAZOP studies
- Defining study scope and objectives
- Leadership and facilitation skills for HAZOP leaders
- Building effective multidisciplinary teams
- Communication and coordination during HAZOP sessions
- Documentation and reporting requirements

Day 3: Hazard Identification and Risk Assessment

- Process hazard identification techniques
- Risk assessment methodologies
- Evaluating consequences and safeguards
- Human factors and operational risks
- Root cause analysis techniques
- Developing risk reduction recommendations

Day 4: HAZOP Analysis and Operational Excellence

- Conducting detailed HAZOP reviews
- Managing operational deviations and abnormalities
- Integrating HAZOP with operational procedures
- Safety performance monitoring
- Compliance with international standards and regulations
- Case studies and practical HAZOP exercises

Day 5: Leadership, Decision-Making, and Continuous Improvement

- Leadership in high-risk operational environments
- Decision-making during critical situations
- Managing action tracking and follow-up processes
- Lessons learned and continuous improvement
- Building a proactive safety culture
- Final workshop, assessment, and action planning

Registration form on the Training Course: HAZOP Leadership and Management

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