

Course Name: **Process Safety and loss prevention**

Code:

DATE:

Course Objective:

After completing the training, the participants will:

- Be able to design, operate, and manage the company's facilities to demonstrate effective HSSE Practices.
- Understand legal compliance related to HSSE practices
- Learn how to build an HSSE mindset in others through effective coaching
- Be able to demonstrate effective management to promote pollution prevention, energy conservation, and optimization
- promoting and Embedding an HSSE Culture
- Applying HSSE Concepts and Practices
- Understand what are the effective risk assessment and risk management techniques and tools used in the industry
- Understand the difference between hazard and risk.
- The principle of HIRARC – (Hazard Identification, Risk Assessment, and Risk Control)
- Learn from lessons from losses in oil and gas industries, globally and regionally
- Understand Principles of Hazard Control Hierarchy (Eliminate, Replace, Isolate, Control)
- Have Practiced how to conduct audits effectively to monitor and mitigate the risks
- Have practiced using hazard identification and communication techniques and tools
- Understand and have practiced using the Plan Do Check Act Framework

Who Should attend?

- This course prepared for Directors, managers, health and safety professionals and employee representatives who want to improve health and safety in their organization.
- Operations and Maintenance Personnel – Supervisors, Engineers, Team Leaders
- HSE personnel & Departmental safety officers
- Safety representatives
- Members of investigation teams

**Kingdom of Saudi Arabia**

Building number: 8992 Abu Ali Road .

**P: +966133615552**

Al Waha district.

**P: +966133611134**

Unit number: 3 - Jubail: 35514 – 2302

**M: +966 505907654**



In Association with  
 AVT Academy



- Anyone who needs to have a better understanding of Incident and Accident Investigation

## Course Outline:

### Module 1 - Safety Management

- Elements of Safety Management System
- Roles of Leadership in Safety Management
- understand the advantages of a proactive approach to safety, health, and environmental management.
- ways to implement change in your facility.
- strategies to help manage change within your organization.

### Module 2 - Risk assessment & Control

- Risk Management Process
- provide the participant with a structured system for identifying hazards.
- assessing risks associated with those hazards,
- putting in place measures to control the unacceptable risks and to
- review the control measures to ensure they are effective and have not introduced new hazards.

### Module 3 - Accident Investigation and Analysis

- What are the hazards and risk
- Difference between “Incident “and “Accident “
- Types of incidents
- Why do accidents happen
- Importance of Incident / Accident Investigation
- Legal aspects of incident/accident investigation
- preserve and collect Physical evidence, Document Evidence, and Human Evidence
- Analyzing Evidences & How to interview witnesses
- Deciding immediate and root causes
- Planning corrective actions
- Describe the purpose and objectives of accidents reporting,

### Module 4 - Safety & Health Training

- The purpose of this module is to show you that effective job orientation and safety and health training are essential elements in every successful organization.
- You will be able to describe the characteristics of adult learners and how to develop and select training for this audience.

## Kingdom of Saudi Arabia

Building number: 8992 Abu Ali Road .

**P: +966133615552**

Al Waha district.

**P: +966133611134**

Unit number: 3 - Jubail: 35514 – 2302

**M: +966 505907654**



In Association with  
AVT Academy



- You will also be able to describe different methods of training and the value of documentation.
- Explain the goals and benefits of education and training.
- Describe the needs of adult learners.
- Explain how to select and develop an educational or Training Program.
- Describe the process of delivering a safety educational or training program.
- Describe the different methods of training.
- Explain how to maintain documentation and record keeping.

## Module 5 - Monitoring and audit, Review

- It is a proactive technique of observing and correcting unsafe acts or unsafe conditions within the workplace.
- Upon completion of this module, the participants will: understand the proactive and reactive monitoring systems, and understand the scope and nature of a health and safety audit
- why formal and informal audits and inspections of safety, health, and environmental practices are crucial to continuous improvement.
- You will also learn what audits and inspections should include, how they should be conducted, how often, and by whom
- Explain the objectives of formal audits.
- Describe how the audit process works.
- Read and follow up on an auditor's report.
- Describe how to prepare for an inspection, how often to inspect, and what to inspect.
- Write and follow up on an inspection report.

Course Duration: ( 5 ) Day

Venue:

Time:

Numbers of hours: Hours

## Kingdom of Saudi Arabia

Building number: 8992 Abu Ali Road .

**P:** +966133615552

Al Waha district.

**P:** +966133611134

Unit number: 3 - Jubail: 35514 – 2302

**M:** +966 505907654