

## **Overview of Process Safety Management (PSM)**

### **Introduction:**

Globally unexpected releases of toxic, reactive, or flammable liquids and gases in processes involving highly hazardous chemicals have been reported for many years. Incidents continue to occur in various industries that use highly hazardous chemicals which may be toxic, reactive, flammable, or explosive, or a combination of these properties.

Irrespective of the industry that uses these highly hazardous chemicals, there is a potential for an accidental release any time they are not properly controlled, which creates the possibility of catastrophic incidents.

OSHA's proposed PSM standard emphasized the management of hazards associated with highly hazardous chemicals and established a comprehensive management program that integrated technologies, procedures, and management practices.

### **Program Objectives:**

- To help participants understand, how PSM is relevant to their operations & what are its requirements.
- To give an overview of 14 Elements of OSHA PSM Process Safety Management.
- To make participants aware of their roles in PSM Management System KPIs implementation.

### **Program Contents:**

- Introduction to Process Safety Management (PSM)
- History of Process Safety Incidents.
- What went wrong that resulted in PSM incidents to occur?
- How PSM implementation can benefit the companies?
- Roles of Leadership & Key Personnel in PSM Organization.
- Overview of 14 PSM Elements.

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### **Trainer Profile:**

Noor is a Mechanical Engineering graduate having Post Graduate Diploma in Environmental Management from RVB/MSM The Netherlands.

Starting from State Petroleum Refining & Petrochemical Corporation PERAC 's division PETROMAN, he has a thorough experience of Training Management & Facilitation.

Noor continued his second phase of work in Saudi Arabia working 16 years for SABIC in OSHA PSM & SABIC HSE Management Systems implementation; Reliability & RCA Implementation.

Implemented OSHA Process Safety Management Systems for SABIC Fertilizer & Petrochemical Complex, Terminal & Gas Manufacturing facilities.

He has participated in Internal & External Audits, Corporate Audits and Risk Insurance Audits and closely worked on various Risk Assessments and tracking & closure of Non-Conformities & Gaps of HSE & PSM Management Systems. Noor was also a SABIC Certified RCA Specialist, facilitated and participated number of RCAs.