



Training Programme on Modern Process Safety Management (PSM)

Mode: Online - Virtual Programme

Date: December 16-17, 2022

Time: 2:00 PM - 5:30 PM

For Online Registration kindly Click Here

(<https://registrations.ficci.com/OTPSCT/online-registration.asp>)

Federation of Indian Chambers of Commerce & Industry (FICCI) in collaboration with IITC is organising an Online Certification Programme to help professionals sharpen their knowledge.

Modern Process Safety Management is based on proven principles of safety management and provides participants with the fundamental concepts, practical and proactive management techniques to ensure safe, sustainable operations, controlling losses and vulnerabilities. Case Studies & Success Stories from various industries would be discussed interactively provoking participants to clear their practical doubts faced during plant operations.

Participation Fee

FICCI Member:
Rs.9000 +18% GST

Others:
Rs.10000 +18% GST

Early Bird Discount:

10% Discount on Registration Fee for 3 or More Participants from Same Organisation

Important Features

1. Practical approach to implementation of the four pillars of Process Safety Management
2. Comprehensive understanding utilizing industry examples of the Fourteen principles of PSM (OSHA)
3. Design, implement, and maintain a risk-based process safety management system that will fits the specific company's needs and resources.
4. Deriving business benefits, over and above meeting compliance requirements
5. Handling Customers Complaints and attaining Customer Satisfaction

Target Participants

- HSE/Safety Officers
- Electrical/ Mechanical Team
- Operations & Maintenance Team
- Health, Safety & Environment Team
- Production Team
- Logistics, Transportation Team
- HR/Trg/Planning Team
- Purchase & Design Team
- Construction & Engineering Team
- HSEQ Team & Other Functions

Training Programme Overview

This programme is based on Centre for Chemical Process Safety (CCPS) Process Safety Management approach. The Training Programme covers the four pillars and fourteen elements of OSHA that define the structure for the RBPS approach. The key approach is the implementation and application of the four pillars, which are:

1. Commit to process safety: Ensure that management and employees care about process safety, ensure that there is acceptance and compliance with standards and demonstrate commitment to stakeholders
2. Understand hazard and risk: Know what you operate, identify hazards and manage and minimize risk through analysis etc.
3. Manage risk: Know how to operate and maintain the process, control changes and manage incidents
4. Learn from experience: Investigate incidents, monitor performance through reviews, audits and KPIs, and ensure that findings are acted effectively upon

Learning Objectives

By attending this unique Risk Based Process Safety Management training programme, delegates will be able to:

- Understand the principles of Risk Based Process Safety utilizing the CCPS model
- Recognize the importance of the necessary commitment to ensure the implementation RBPS management system through an understanding of safety culture
- Describe the primary international standards related to process safety and the importance of compliance
- Understand the importance competency maintenance including the principles of continuous improvement involving both the workforce and other stakeholders
- Understand and practice a structured approach to hazard assessment
- Understand the principles of managing risk
- Understand and employ the principles of continuous improvement through a structured learning and review process including audits

Module I: Safety Management & Culture

- Modern safety management system
- Elements of safety management system
- Example of a safety management system
- Safety Critical Equipment & Function
- Meant by a safety culture?
- Components of a safety culture
- Example of positive safety culture
- Good-Better-Best safety culture
- Types of safety culture & Importance
- Important aspect for positive safety culture
- Benefits of positive safety culture

Module II: Safety Sensitization System (S-S-S)

- Perception vs Reality
- Intention vs Action
- Knowing – Doing Gap
- Be Different vs Do differently
- Personal communication
- Leadership Style
- Leadership is Infectious
- Don't see what you want to see
- Ladder of perception
- Self-perception
- Steps for personnel effectiveness
- Change yourself
- Do not change perception
- Thinking and feeling
- Introversion – Extroversion Safety
- Sensing the intuition
- You are the message
- Values of Safety
- Priorities of Safety
- Pelican Principle

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Technical Associate



Module III: Introduction to Process Safety Management

- Occupational Safety
- Process Safety
- Occupational Safety Vs Process Safety
- Example of OS
- Example of PS
- Process Safety Management (PSM)
- Discussion on historical PSM Accidents

Module IV: Elements of PSM

- Employee Participation
- Process Safety Information
- Process Hazard Analysis
- Operating Procedures
- Training
- Contractors
- Pre-Safety Start Up Review

Module V: Elements of PSM

- Mechanical Integrity
- Hot Work Permit
- Management of Change
- Incident Investigation
- Emergency Planning and Response
- Compliance Audits
- Trade Secrets



Inaugural Address

Dr R K Elangovan

Director General, DGFASLI

Ministry of Labour and Employment, Govt of India

He is B.E (Mech), M. Tech (Machine Design) and Ph. D (Industrial Safety).

He has worked as a factory Inspector for seventeen years in Government of Tamil Nadu enforcing safety and health regulatory measures. He is presently holding the stature of Director General, DGFASLI, Min. of Labour & Employment, Govt. of India and has published numerous Technical Papers and Research Studies on Occupational Safety & Health in Industries.



Theme Technical Speaker

Mr. Vedprakash Singh

Mr. Vedprakash Singh, Technical Director-IITC has over 25 years of extensive industrial experience in Chemicals/Petrochemicals, Oil Refineries, Oil & Gas upstream (onshore & offshore) and EPC as HSE expert, he has focused his career to pursue his passion for Process Safety /

Technical Safety / Design HSE/ Fire Engineering, Commissioning/Decommissioning & Occupational Safety. Exposure to mature systems through working in multinationals like Reliance/ GACL/ M&M/ TSIL/ Cairn/ ADNOC/ ENOC/ Penspen/ OMCV/ Eni, and Qatar Petroleum. Mr. Singh brings the best of the best from industry practices.

The diverse experience Mr. Singh has accumulated through his career makes him an impactful professional able to drive performance and make significant leaps in any Process Safety /Technical Safety/Occupational Safety program. Having worked in a wide range of the biggest companies and different cultures from Kazakhstan, to the Middle East and South West Africa (Ghana) he has demonstrated the ability to integrate and effectively orchestrate work with a variety of cultural groups.

Mr. Singh has managed and led a wide range of projects from FEED, Detailed Design, Construction through the full operations lifecycle and operated facilities from oil & gas to complex, upstream, petrochemicals. He has leveraged his vision for excellence and adopted advanced tools to optimize risk management, budgetary considerations and improve operability driving results for high reliability organizations around the world. His assignments have been in Kazakhstan, Qatar, Dubai, Abu Dhabi, Ghana, Bahrain, and India in the oil and gas sector. Mr. Singh has worked on facilities like Oil & Gas upstream / Utilities / Poly Propylene / Ethylene / Ethylene PVC/Chlorine / EDC-VCM/ Refinery/ and Power plants.