



# Process Safety for Front Line Staff

## ABOUT THE COURSE

A process safety incident can lead to severe consequences with fire, explosion and/or toxic effects, and may ultimately result in loss of life, serious injury, extensive property damage, environmental impact and lost production with associated financial and reputational impacts. Hence why, it is vital for all staff to obtain the necessary level of competency in process safety appropriate to their role.

For front line staff it is essential that they have suitable awareness of Process Safety and understanding of the core elements. This course is designed to equip front line staff with the correct competency in accordance with relevant standards.

## WHO SHOULD ATTEND

Front line staff including engineers, operators and maintainers.

## MAIN LEARNING OBJECTIVES

- Culture
- Knowledge and Competency
- Engineering and Design
- Human Factors
- Systems & procedures
- Assurance

## REFERENCE STANDARDS

- IChemE Safety Centre (ISC) Guidance
- EI PSM Framework

## DURATION, PREPARATION & MATERIAL

This programme consists of 5-day class-room based training.

## PROGRAMME CONTENT

### Day 1

- Leadership, commitment, responsibility and workplace culture
- Core Concepts
- Hazard Identification and Risk Assessment (e.g. HAZID, HAZOP, LOPA)

### Day 2

- Hazard Awareness specific to the Operations
- Safety in Design

### Day 3

- Plant Integrity
- Codes and Standards
- Management of Change
- Human Factors

### Day 4

- Systems, Manuals and Drawings
- Process & Operational Status Monitoring & Handover
- Contractor & supplier selection and management
- Safe system of work
- Project delivery
- Management of major Emergencies and emergency preparedness

### Day 5

- Incident reporting and investigation
- Legislation and regulations
- Audit, assurance, management review and intervention

## ASSESSMENT & CERTIFICATION

**Assessment:** End-of-course examination.

**Certification:** CPD Certificate will be awarded on successful completion of the course.

