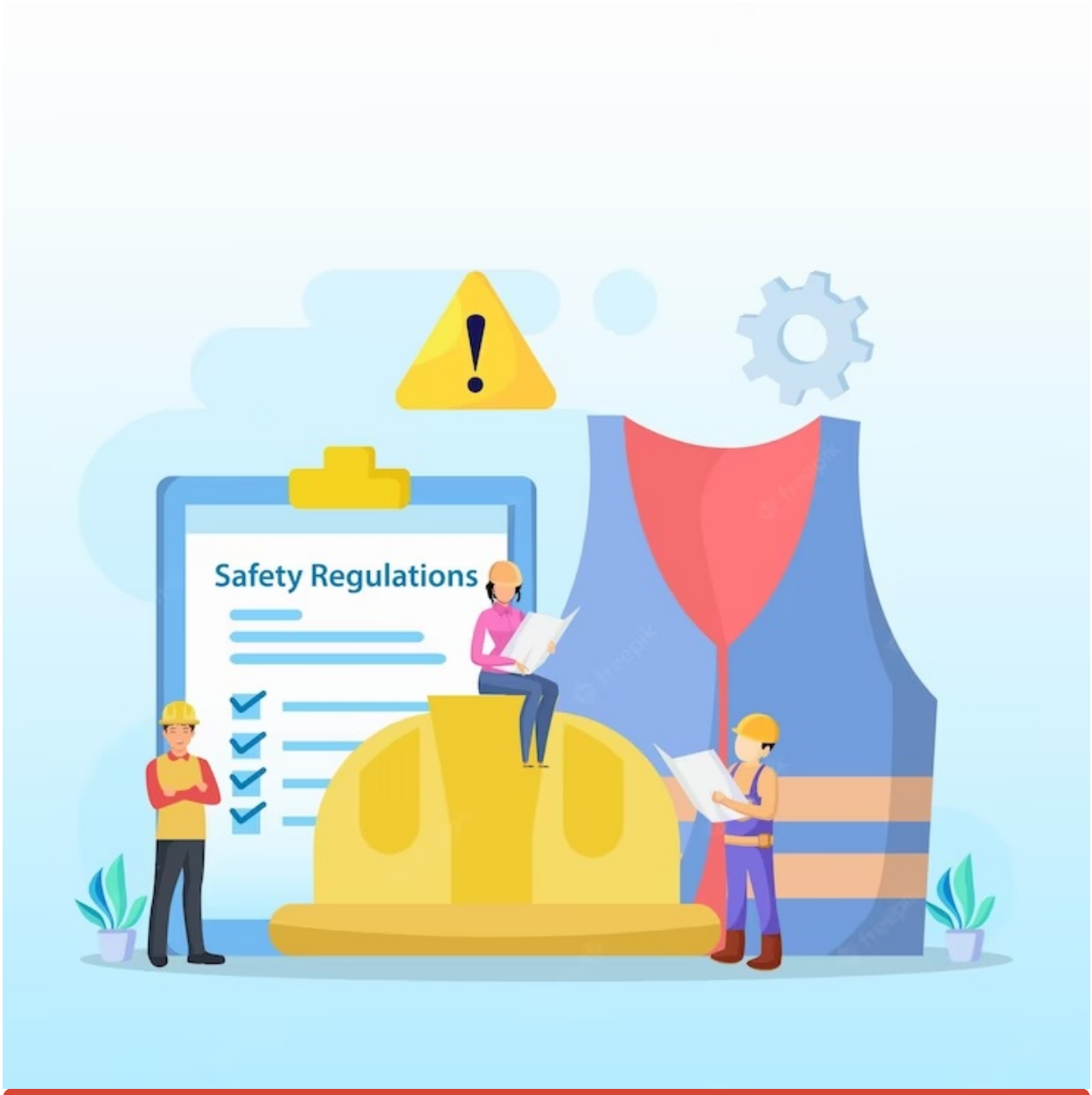



# Process Safety For Frontline Managers & Leaders

**Duration:** 5 Days

**Language:** en

**Course Code:** PO2-112

## Objective

Upon completion of the course, participants will be able to:

- Understand the importance of Process Safety Management (PSM).
- Assess the elements of PSM and its regulatory requirements.
- Conduct risk assessments and create risk management plans.
- Accurately analyse risks and their potential implications.
- Implement a PSM system.
- Evaluate emergency plans and practices.
- Create a culture of risk consciousness, process safety, and organisational reliability.
- Review processes consistently in relation to safety.
- Identify hazards and complete process hazard analysis.

## Audience

This course is designed for anyone in a management role responsible for managing process safety, particularly those on the frontline. It would be most beneficial for:

- PSM Coordinators
- Risk Auditors
- Operations Managers
- Project Managers
- Construction/Site Supervisors
- HSE Managers

## Training Methodology

This course uses a variety of adult learning styles to aid full understanding and comprehension. Participants will review risk audits, assessments, and hazard analysis to highlight the important information and the level of detail that is required for these.

They will be provided with the highest quality tools in the industry to conduct various learning exercises. With presentations, group discussions, and in-depth practical activities,

participants will have full opportunities to develop a comprehensive understanding of the taught content. They will be able to use the supplied equipment to practice analysing hazards and risks they may face within their respective roles to further improve their skills and will receive positive and constructive feedback.

## Summary

There must be a strong focus on employee health and safety within any industry. This is especially true for organisations that handle dangerous substances or are involved in more risk-prone affairs, such as construction.

Process Safety Management (PSM) is the process of identifying risks and hazards within a workplace, creating detailed audits and assessments of said risks, and taking the necessary steps to prevent incidents from occurring. PSM requires an in-depth analysis of each function within the organisation and each hazard that may possibly happen. The consequences of each risk must be fully assessed to evaluate how it would impact business productivity.

Frontline managers and leaders are the main roles responsible for ensuring process safety. They must be highly competent in analysis and utilising the tools and equipment to do so. They will also need to fully understand the local rules and regulations surrounding health and safety to guarantee the organisation is complying with standards.

## Course Content & Outline

**Section 1: Introduction to Process Safety**

- Defining process safety and process safety management.
- The roles and responsibilities of frontline managers and supervisors in relation to health and safety.
- Rules and regulations for PSM.
- Key factors in designing a PSM system.
- PSM development, implementation, and improvement.

**Section 2: Hazards Analysis Methods**

- The process of identifying hazards – HAZID.
- What methods and tools can be utilised to accurately analyse hazards?
- Understanding vital methods hazard analysis – HAZOP, LOPA, and FMEA
- What IF Analysis and what IF checklists.
- The principles of the bow-tie analysis and fault tree analysis.

**Section 3: Establishing Risk Management**

- Quantitative risk assessment (QRA) with consequence modelling.
- Evaluating non-routine operations and procedures.
- Predicting and assessing potential human errors during critical tasks.
- Utilise the International Sustainability Rating System (ISRS) to measure progress of the developing PSM system.
- Review process safety barriers through scenario-based auditing to explore potential solutions.
- Create the correct records and registers detailing all analysis, assessments and action plans.

**Section 4: Creating a Risk-Conscious Culture**

- Analyse the organisation's attitude to change and process safety.
- Understand techniques to navigate change resistance.
- Utilise tools to assess the process safety culture at various levels within the organisation.
- Provide organisation-wide access to risk management plans, PSM system incidents, and improvement suggestions.
- Offer training related to PSM elements, tailored to employees’ specific roles.

**Section 5: Reviewing Process Safety**

- Conduct prestart-up safety reviews (PSSR).
- Evaluate the safety measures in place.
- Assess all health and safety equipment and ensure they are PSM compliant.
- Correctly record all HSE incidents and utilise these as examples for further improvement.
- Carry out root cause analysis in circumstances where incidents have occurred

## Certificate Description

Upon successful completion of this training course, delegates will be awarded a Holistique Training Certificate of Completion. For those who attend and complete the online training course, a Holistique Training e-Certificate will be provided.

Holistique Training Certificates are accredited by the British Assessment Council (BAC) and The CPD Certification Service (CPD), and are certified under ISO 9001, ISO 21001, and ISO 29993 standards.

CPD credits for this course are granted by our Certificates and will be reflected on the Holistique Training Certificate of Completion. In accordance with the standards of The CPD Certification Service, one CPD credit is awarded per hour of course attendance. A maximum of 50 CPD credits can be claimed for any single course we currently offer.

## Categories

Consultation & Services, Health, Safety & Environment HSE, Management & Leadership

## Tags

Leadership, Management, risk, safety, HSE, leader, HS, hazard

## Related Articles




**Risk Perception: A Key Factor In Workplace Safety & Business Strategy**

Explore the intricacies of risk perception in the workplace and business, understanding its impact on decision-making and hazard management. Learn how cognitive, emotional, social, and cultural factors shape risk perception, and discover essential tips for enhancing risk awareness.

## YouTube Video

https://www.youtube.com/embed/Is4MuMRU1TU?si=yKb_5WoIGnTqkuZe