

Process Safety Management in Design & Operations

Cross-sector

What's the purpose?

Controlling risks within major hazard enterprises requires a robust process safety management (PSM) system. This course introduces the essential elements of a PSM system and provides an overview of key focus areas including process safety leadership, process safety studies, strategies for reducing and managing risk, and monitoring and auditing performance.

Who is this for?

Project managers, project engineers, project advisors, operations and maintenance managers, and process safety practitioners, especially those working in large, complex, high-value project and operational environments.

What does it cover?

- Definition of Process Safety Management (PSM)
- Twenty elements of a PSM system
- Process safety standards and guidance
- Inherently safer design
- Process safety studies
- Process safety reviews
- Barrier diagrams (Bowtie analysis)
- Safety critical elements, performance standards, assurance and verification
- Process safety leading and lagging indicators
- Process safety audits
- Management of change
- Implementation aspects.

After completing the module you should be able to:

1. Analyse the process safety management system
2. Analyse the importance of assuring the integrity of engineered barriers (plant), competency of key personnel (people) and quality of procedures (processes)
3. Devise approaches for the successful implementation of the process safety management system.

	Hours	Delivery Methods	
		Face-to-face	Distance learning
Attendance only	15	2 days	---

If you are a corporate client and would like a customised delivery, please contact the training team to discuss your requirements.

What prior study is recommended?

Education, skills or experience equivalent to undergraduate level.