ABL Training

Process Safety Management (ePSM)

Course overview

This course is tailor-made for anyone with a strong interest in the growing field of process safety which is an essential consideration in a diverse range of energy sector industries from petrochemicals, oil and gas field development, mining, fertilisers, renewable energy etc. This course will give learners an overview of process safety, risks posed by process hazards and available techniques for managing risks.

The content is learner-centred with high interconnectedness between learners and instructors. The course would include tasks and world examples relevant for practice, delivered in an interactive and engaging approach. The course design is structured and guided with clear expectations, coupled with knowledge validation aligned with outcome.

Delivery: eLearning
Duration: 3-4 hours self-paced
Cost: £40 +VAT per person

Buy now via our website

Who should attend?

This eLearning course is aimed at anyone with a strong desire to develop their understanding of process safety and is ideal for energy sector personnel at all organisational levels with an emphasis on operational/maintenance supervisors, facilities engineers, design personnel and workforce members with responsibility for site safety.

Learning Outcomes

Module 1 - Introduction to Process Safety
This module aims to introduce the learners to the concept and importance of Process Safety Management. The learner will easily be able to differentiate between Process Safety and Occupational Safety. This module will also introduce the key elements of a PSM Framework. Reference is also made to historical incidents to emphasise the importance of Process Safety Management.

Module 2 - Process Safety Culture
This module discusses Process Safety Culture and its importance for organisations. Participants will be able to identify key organisational requirements for developing a positive Process Safety Culture as well as Legislative requirements.

Module 3 - Process Hazard Analysis and Risk Assessment
Within this module, learners will be exposed to numerous techniques applied to identifying credible process safety hazards and the concept of Hazard Assessment to quantify hazard risk levels relevant to a given facility, understanding the importance of safety barriers in minimising hazard likelihood and comprehending the importance of maintaining clear and complete process safety information and records.

Module 4 - Management Process Safety
This module discusses the implementation and management of control measures within an organisation. Learners will understand the impact of documentation, significance of continual monitoring and good handover practice, how elevated hazards associated with startup/re-startup can be managed, comprehend how operational and third party interfaces relationships should be managed, discover the importance of MOC, SCEPP as well as ITPM for continuous management of facility risk and key aspects of ERP.

Module 5 - Review and Improvement
Within this module, learners will be taught key indicators for reviewing the performance of Safety Barriers as well as commonly employed means for reporting, tracking and investigating incidents. This process also manages the resolution and documentation of recommendations generated by the investigations. An essential aspect of health, safety and environmental (HSE) and process safety performance improvement is learning from incidents and 'near misses' and taking appropriate action to prevent their recurrence.

Certificate

Participants who fulfil the course requirements and complete all required exercises will be awarded a Certificate of course completion. Our courses are CPD certified.

CPD
The CPD Certification Service

SOG ACADEMY

This course is delivered in partnership with Synergen OG.