Process Safety Management (PSM) best practice

A five day course for people who implement and operate PSM systems.

12th - 16th November 2018 - Teesside, ABB Office
13th - 17th May 2019 - Daresbury, ABB Office
11th - 15th November 2019 - Teesside, ABB Office
PSM best practice

Process safety has hit the headlines in recent years following the major explosions and fires at BP’s Texas City refinery and the Buncefield storage depot in the UK.

The Baker panel review in the USA and the Health and Safety Executive’s ‘Leading from the top - avoiding major accidents’ programme in the UK has amplified the importance of effective PSM. An essential part of effective PSM is an integrated and comprehensive PSM system. The PSM system needs to include both technical and organisational elements as specified in the OSHA CFR 1910 for PSM, and the UK HSE’s HSG 65 successful Health and Safety management. The latter is used as the framework for demonstrating that UK COMAH sites comply with the requirements of the Seveso III directive.

The diagram above shows how process safety generally deals with high severity and low likelihood major accidents, whereas personal or occupational safety deals with more routine ‘slips, trips and falls’.

Both aspects of safety are equally important but process safety has not always received the attention it deserves and requires a different approach to be adopted.

This training course is based on the PSM framework provided by OSHA in the USA and by the HSE in the UK. It also includes the practical experience of ABB Consulting process safety consultants in the design and operation of high hazard process plants.

**Price**
£1995 + VAT

**Who is the course for?**
This course is aimed at operations managers, senior process engineers and safety specialists within an organisation responsible for leading process safety, monitoring the performance of PSM arrangements and implementing improvements to achieve high levels of process safety performance.

**What are the benefits to attendees?**
- Understanding the key elements of a PSM system
- Understanding of relevant good practice within each element
- Identifying ways of improving your company’s PSM system
- Opportunity to network with other process safety specialists
- Discuss specific issues with ABB’s specialist consultants
- Receive ABB’s detailed course manual with key references
The training method
The course consists of presentations, interactive case studies and practical exercises. It combines an understanding of the theoretical requirements with practical implementation.

Duration
5 days (commencing at 13:00 on Monday to 12:00 on Friday)

Course feedback
“Tutor’s knowledge, course content and practical exercises were the best things about the course.”

“Excellent course and will be sending more of our staff on it”

“Extensive examples provided, exhaustive documentation and comprehensive exercises”

Course leaders
Graeme Laughland, Principal Consultant. Graeme is a Fellow of the Institution of Chemical Engineers with 28 years of practical experience in plant operations. He has led over 200 hazard studies, conducted PSM audits and run numerous training courses on PSM, PHAs (including HAZOP) and Human Factors. His consultancy experience covers oil, gas, chemicals, power and bio-fuel industry sectors.

Robert Fogg, Senior Safety Consultant. Rob is a chartered chemical engineer with over 20 years of industrial experience. He provides PSM services including: hazard studies, Safety Integrity Level (SIL) determination studies, COMAH safety reports, and PSM support. Rob’s experience includes management of change, project planning and coordination, hazard management and operator training.

Agenda*

| Day 1 | 13:00 - 17:30 | Introduction to PSM Management and leadership | Achieving effective PSM PSPIs |
| Day 2 | 08:30 - 17:00 | Process safety information | Process hazard analysis / hazard studies Techniques Inherent safety Re-validation |
|       |                | Chemical hazard information | |
|       |                | Process technology information | |
|       |                | Equipment design information | |
| Day 3 | 08:30 - 17:00 | Operating procedures Training and competence | Safe work practices Contractors |
| Day 4 | 08:30 - 17:00 | Mechanical integrity Management of Change (MoC) | Pre-start-up safety reviews Emergency planning and response |
| Day 5 | 08:30 - 12:00 | Incident investigation Auditing | Course review |

*ABB reserve the right to amend the agenda.

How to book
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