

MAINTENANCE AND ENGINEERING | COURSE BROCHURE

Process Safety Management

5 days | Classroom training | English

SMART HORIZON

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Amsterdam
The Netherlands

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Course content

Why attend

Process safety management prevents fires, explosions and toxic releases in plants handling hazardous materials. This course covers PSM elements: process safety information, hazard analysis, operating procedures, management of change, mechanical integrity, pre-start-up reviews, incident investigation, emergency planning and safety culture.

Major accidents often result from gaps in process safety management. You will learn the system that prevents them.

Professional Problems This Course Is Designed to Solve

• Difficulty translating subject knowledge into practical workplace decisions.
• Inconsistent approaches to the activities covered in the course outline.
• Lack of a structured plan for applying and reviewing new skills.

Course methodology

Major accident case studies, hazard analysis exercises, MOC workshops and audit practice.

Course objectives

By the end of this course, participants will be able to:
• Explain process safety and its difference from personal safety
• Describe the elements of process safety management
• Apply hazard analysis methods
• Manage change safely
• Maintain mechanical integrity
• Investigate incidents and sustain safety culture

Target audience

This course is suitable for:
• Process and safety engineers
• Operations and maintenance managers
• HSE professionals
• Plant supervisors
• Technical managers



Course content

Target competencies

Participants will develop competencies in:

- Hazard analysis
- Management of change
- Mechanical integrity
- Incident investigation
- Safety leadership

Course outline

Day 1: Process Safety

09:00–10:08	Major accident lessons
10:08–11:00	Process versus personal safety
11:00–11:30	**Coffee break**
11:30–11:45	Process versus personal safety (continued)
11:45–12:53	Regulations
12:53–14:00	Case study

Day 2: Hazard Analysis

09:00–10:08	HAZOP and other methods
10:08–11:00	Layers of protection
11:00–11:30	**Coffee break**
11:30–11:45	Layers of protection (continued)
11:45–12:53	Risk assessment
12:53–14:00	Exercise

Day 3: Procedures and Change

09:00–10:08	Operating procedures
10:08–11:00	Management of change
11:00–11:30	**Coffee break**



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11:30–11:45	Management of change (continued)
11:45–12:53	Pre-start-up reviews
12:53–14:00	Workshop

Day 4: Mechanical Integrity

09:00–10:08	Inspection and testing
10:08–11:00	Safety-critical equipment
11:00–11:30	**Coffee break**
11:30–11:45	Safety-critical equipment (continued)
11:45–12:53	Contractors
12:53–14:00	Exercise

Day 5: Incidents and Culture

09:00–10:08	Investigation
10:08–11:00	Emergency planning
11:00–11:30	**Coffee break**
11:30–11:45	Emergency planning (continued)
11:45–12:53	Safety culture
12:53–14:00	Action plan

The timings provided are estimates and may vary depending on the number of participants and the discussions taking place during the sessions. They are indicative only and do not constitute a binding commitment.



Course content

Dates, venues and fees

Current published course plans. Fees are per participant in EUR, excluding unconfirmed taxes.

Venue	Start date	End date	Fee (EUR)
Dubai Confirmed dates	16 Nov 2026	20 Nov 2026	**€6,300.-**
Online Confirmed dates	16 Nov 2026	20 Nov 2026	**€1,250.-**
Cape Town Confirmed dates	7 Dec 2026	11 Dec 2026	**€3,780.-**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,250.-**
Rome Confirmed dates	11 Jan 2027	15 Jan 2027	**€4,900.-**
Online Confirmed dates	11 Jan 2027	15 Jan 2027	**€1,250.-**
Paris Confirmed dates	1 Feb 2027	5 Feb 2027	**€5,720.-**
Online Confirmed dates	1 Feb 2027	5 Feb 2027	**€1,250.-**
Istanbul Confirmed dates	22 Feb 2027	26 Feb 2027	**€5,300.-**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	22 Feb 2027	26 Feb 2027	**€1,250.–**
Kuala Lumpur Confirmed dates	8 Mar 2027	12 Mar 2027	**€2,900.–**
Online Confirmed dates	8 Mar 2027	12 Mar 2027	**€1,250.–**
Rome Confirmed dates	29 Mar 2027	2 Apr 2027	**€4,900.–**
Online Confirmed dates	29 Mar 2027	2 Apr 2027	**€1,250.–**
Barcelona Confirmed dates	19 Apr 2027	23 Apr 2027	**€5,680.–**
Online Confirmed dates	19 Apr 2027	23 Apr 2027	**€1,250.–**
Vienna Confirmed dates	10 May 2027	14 May 2027	**€5,880.–**
Online Confirmed dates	10 May 2027	14 May 2027	**€1,250.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Amsterdam Confirmed dates	31 May 2027	4 Jun 2027	**€5,080.–**
Online Confirmed dates	31 May 2027	4 Jun 2027	**€1,250.–**
Cape Town Confirmed dates	14 Jun 2027	18 Jun 2027	**€3,780.–**
Online Confirmed dates	14 Jun 2027	18 Jun 2027	**€1,250.–**
Dubai Confirmed dates	5 Jul 2027	9 Jul 2027	**€6,300.–**
Online Confirmed dates	5 Jul 2027	9 Jul 2027	**€1,250.–**
Vienna Confirmed dates	26 Jul 2027	30 Jul 2027	**€5,880.–**
Online Confirmed dates	26 Jul 2027	30 Jul 2027	**€1,250.–**
Frankfurt Confirmed dates	16 Aug 2027	20 Aug 2027	**€5,300.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	16 Aug 2027	20 Aug 2027	**€1,250.-**
London Confirmed dates	6 Sept 2027	10 Sept 2027	**€4,900.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**€1,250.-**
Cape Town Confirmed dates	20 Sept 2027	24 Sept 2027	**€3,780.-**
Online Confirmed dates	20 Sept 2027	24 Sept 2027	**€1,250.-**
Dubai Confirmed dates	11 Oct 2027	15 Oct 2027	**€6,300.-**
Online Confirmed dates	11 Oct 2027	15 Oct 2027	**€1,250.-**
Barcelona Confirmed dates	1 Nov 2027	5 Nov 2027	**€5,680.-**
Online Confirmed dates	1 Nov 2027	5 Nov 2027	**€1,250.-**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
London Confirmed dates	22 Nov 2027	26 Nov 2027	**€4,900.-**
Online Confirmed dates	22 Nov 2027	26 Nov 2027	**€1,250.-**
Rome Confirmed dates	13 Dec 2027	17 Dec 2027	**€4,900.-**
Online Confirmed dates	13 Dec 2027	17 Dec 2027	**€1,250.-**

Plan your next step

Dates, availability, exact venue, taxes, inclusions and payment terms require written confirmation. This brochure is not a quotation, registration, booking confirmation or visa invitation. Participants receive a Smart Horizon certificate of attendance; programmes are not externally accredited and do not award a professional qualification or designation. Confirm arrangements before booking travel.

For group or in-house training, contact our learning team to discuss your objectives and delivery arrangements.

Contact Smart Horizon

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