

MAINTENANCE AND ENGINEERING | COURSE BROCHURE

Tank Inspection and Maintenance

5 days | Classroom training | English

SMART HORIZON

info@smart-horizon.eu
Amsterdam
The Netherlands

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Course content

Why attend

Storage tanks hold large volumes of fuels, chemicals and water, and failures can cause major environmental and safety incidents. This course covers tank types and components, inspection standards and intervals, internal and external inspection methods, floor and shell corrosion, roofs and seals, repair methods, cleaning and safe entry.

Tank failures are rare but catastrophic. You will learn inspection and maintenance practices that keep tanks safe and compliant.

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

Inspection standard walkthroughs, case studies of tank failures, inspection data exercises and planning workshops.

Course objectives

By the end of this course, participants will be able to:
• Explain tank types, components and standards
• Plan inspection intervals and scopes
• Apply internal and external inspection methods
• Assess floor, shell and roof condition
• Select repair methods
• Manage tank cleaning and confined space entry safely

Target audience

This course is suitable for:
• Inspection and integrity engineers
• Maintenance engineers
• Terminal and tank farm managers
• HSE professionals
• Inspectors



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Target competencies

Participants will develop competencies in:

- Inspection planning
- Condition assessment
- Repair selection
- Safety management
- Standards application

Course outline

Day 1: Tank Fundamentals

09:00–10:08	Tank types
10:08–11:00	Components
11:00–11:30	**Coffee break**
11:30–11:45	Components (continued)
11:45–12:53	Standards
12:53–14:00	Exercise

Day 2: Inspection Planning

09:00–10:08	Intervals
10:08–11:00	Risk-based inspection
11:00–11:30	**Coffee break**
11:30–11:45	Risk-based inspection (continued)
11:45–12:53	Scopes
12:53–14:00	Workshop

Day 3: Inspection Methods

09:00–10:08	External inspection
10:08–11:00	Internal inspection
11:00–11:30	**Coffee break**



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11:30–11:45	Internal inspection (continued)
11:45–12:53	Floor scanning
12:53–14:00	Exercise

Day 4: Repairs

09:00–10:08	Shell and floor repairs
10:08–11:00	Roofs and seals
11:00–11:30	**Coffee break**
11:30–11:45	Roofs and seals (continued)
11:45–12:53	Hydrotesting
12:53–14:00	Case study

Day 5: Safety

09:00–10:08	Cleaning
10:08–11:00	Confined space entry
11:00–11:30	**Coffee break**
11:30–11:45	Confined space entry (continued)
11:45–12:53	Hot work
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)
Vienna Confirmed dates	23 Nov 2026	27 Nov 2026	**€5,880.–**
Online Confirmed dates	23 Nov 2026	27 Nov 2026	**€1,250.–**
Dubai Confirmed dates	7 Dec 2026	11 Dec 2026	**€6,300.–**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,250.–**
London Confirmed dates	11 Jan 2027	15 Jan 2027	**€4,900.–**
Online Confirmed dates	11 Jan 2027	15 Jan 2027	**€1,250.–**
Rome Confirmed dates	1 Feb 2027	5 Feb 2027	**€4,900.–**
Online Confirmed dates	1 Feb 2027	5 Feb 2027	**€1,250.–**
Amsterdam Confirmed dates	22 Feb 2027	26 Feb 2027	**€5,080.–**



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	15 Mar 2027	19 Mar 2027	**€2,900.–**
Online Confirmed dates	15 Mar 2027	19 Mar 2027	**€1,250.–**
Cape Town Confirmed dates	29 Mar 2027	2 Apr 2027	**€3,780.–**
Online Confirmed dates	29 Mar 2027	2 Apr 2027	**€1,250.–**
London Confirmed dates	19 Apr 2027	23 Apr 2027	**€4,900.–**
Online Confirmed dates	19 Apr 2027	23 Apr 2027	**€1,250.–**
Barcelona Confirmed dates	10 May 2027	14 May 2027	**€5,680.–**
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)
Dubai Confirmed dates	31 May 2027	4 Jun 2027	**€6,300.-**
Online Confirmed dates	31 May 2027	4 Jun 2027	**€1,250.-**
Cape Town Confirmed dates	21 Jun 2027	25 Jun 2027	**€3,780.-**
Online Confirmed dates	21 Jun 2027	25 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.-**
Rome Confirmed dates	16 Aug 2027	20 Aug 2027	**€4,900.-**



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.-**
Barcelona Confirmed dates	6 Sept 2027	10 Sept 2027	**€5,680.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**€1,250.-**
Istanbul Confirmed dates	27 Sept 2027	1 Oct 2027	**€5,300.-**
Online Confirmed dates	27 Sept 2027	1 Oct 2027	**€1,250.-**
Frankfurt Confirmed dates	11 Oct 2027	15 Oct 2027	**€5,300.-**
Online Confirmed dates	11 Oct 2027	15 Oct 2027	**€1,250.-**
Cape Town Confirmed dates	1 Nov 2027	5 Nov 2027	**€3,780.-**
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)
Rome Confirmed dates	22 Nov 2027	26 Nov 2027	**€4,900.-**
Online Confirmed dates	22 Nov 2027	26 Nov 2027	**€1,250.-**
Paris Confirmed dates	13 Dec 2027	17 Dec 2027	**€5,720.-**
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

info@smart-horizon.eu
Amsterdam
The Netherlands

View the latest course details online