

MAINTENANCE AND ENGINEERING | COURSE BROCHURE

Fire Protection Systems Maintenance

5 days | Classroom training | English

SMART HORIZON

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Course content

Why attend

Fire protection systems must work perfectly when needed but are rarely used. This course covers fire detection and alarm systems, sprinklers, fire pumps, gas suppression, extinguishers, hydrants and emergency lighting, inspection and testing frequencies, maintenance practices, impairment management and compliance records.

Poorly maintained fire systems can fail during emergencies. You will learn inspection and maintenance practices that keep them ready.

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

System walkthroughs, inspection checklist development, impairment scenarios and case studies.

Course objectives

By the end of this course, participants will be able to:
• Explain fire detection and suppression systems
• Plan inspection and testing schedules
• Maintain sprinklers, pumps and suppression systems
• Manage fire system impairments safely
• Keep compliance records
• Coordinate with authorities and insurers

Target audience

This course is suitable for:
• Facility managers
• Fire safety officers
• Maintenance technicians
• Building services engineers
• HSE professionals



Course content

Target competencies

Participants will develop competencies in:

- System knowledge
- Inspection planning
- Maintenance practice
- Impairment management
- Compliance

Course outline

Day 1: Fire Protection Systems

09:00–10:08	Detection and alarm
10:08–11:00	Sprinklers
11:00–11:30	**Coffee break**
11:30–11:45	Sprinklers (continued)
11:45–12:53	Suppression systems
12:53–14:00	Exercise

Day 2: Inspection and Testing

09:00–10:08	Standards
10:08–11:00	Frequencies
11:00–11:30	**Coffee break**
11:30–11:45	Frequencies (continued)
11:45–12:53	Checklists
12:53–14:00	Workshop

Day 3: Maintenance

09:00–10:08	Fire pumps
10:08–11:00	Sprinklers and valves
11:00–11:30	**Coffee break**



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11:30–11:45	Sprinklers and valves (continued)
11:45–12:53	Gas systems
12:53–14:00	Exercise

Day 4: Impairments

09:00–10:08	Impairment procedures
10:08–11:00	Fire watches
11:00–11:30	**Coffee break**
11:30–11:45	Fire watches (continued)
11:45–12:53	Notifications
12:53–14:00	Case study

Day 5: Compliance

09:00–10:08	Records
10:08–11:00	Authority inspections
11:00–11:30	**Coffee break**
11:30–11:45	Authority inspections (continued)
11:45–12:53	Insurer requirements
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 GBP, excluding unconfirmed taxes.

Venue	Start date	End date	Fee (GBP)
Istanbul Confirmed dates	23 Nov 2026	27 Nov 2026	**£5,300.–**
Online Confirmed dates	23 Nov 2026	27 Nov 2026	**£1,250.–**
London Confirmed dates	7 Dec 2026	11 Dec 2026	**£4,900.–**
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.–**
Cape Town Confirmed dates	1 Feb 2027	5 Feb 2027	**£3,780.–**
Online Confirmed dates	1 Feb 2027	5 Feb 2027	**£1,250.–**
Frankfurt Confirmed dates	22 Feb 2027	26 Feb 2027	**£5,300.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (GBP)
Online Confirmed dates	22 Feb 2027	26 Feb 2027	**£1,250.–**
Vienna Confirmed dates	15 Mar 2027	19 Mar 2027	**£5,880.–**
Online Confirmed dates	15 Mar 2027	19 Mar 2027	**£1,250.–**
Paris Confirmed dates	29 Mar 2027	2 Apr 2027	**£5,720.–**
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.–**
Dubai Confirmed dates	10 May 2027	14 May 2027	**£6,300.–**
Online Confirmed dates	10 May 2027	14 May 2027	**£1,250.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (GBP)
Kuala Lumpur Confirmed dates	31 May 2027	4 Jun 2027	**£2,900.-**
Online Confirmed dates	31 May 2027	4 Jun 2027	**£1,250.-**
Dubai Confirmed dates	21 Jun 2027	25 Jun 2027	**£6,300.-**
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**£1,250.-**
Amsterdam Confirmed dates	5 Jul 2027	9 Jul 2027	**£5,080.-**
Online Confirmed dates	5 Jul 2027	9 Jul 2027	**£1,250.-**
Cape Town Confirmed dates	26 Jul 2027	30 Jul 2027	**£3,780.-**
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 (GBP)
Online Confirmed dates	16 Aug 2027	20 Aug 2027	**£1,250.-**
Cape Town Confirmed dates	6 Sept 2027	10 Sept 2027	**£3,780.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**£1,250.-**
Barcelona Confirmed dates	27 Sept 2027	1 Oct 2027	**£5,680.-**
Online Confirmed dates	27 Sept 2027	1 Oct 2027	**£1,250.-**
Vienna Confirmed dates	11 Oct 2027	15 Oct 2027	**£5,880.-**
Online Confirmed dates	11 Oct 2027	15 Oct 2027	**£1,250.-**
Rome Confirmed dates	1 Nov 2027	5 Nov 2027	**£4,900.-**
Online Confirmed dates	1 Nov 2027	5 Nov 2027	**£1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (GBP)
Dubai Confirmed dates	22 Nov 2027	26 Nov 2027	**£6,300.-**
Online Confirmed dates	22 Nov 2027	26 Nov 2027	**£1,250.-**
London 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 UK 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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View the latest course details online