

OPERATIONS & SUPPLY CHAIN | COURSE BROCHURE

Cold Chain Management

5 days | Classroom training | English

SMART HORIZON

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Amsterdam
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https://smart-horizon.eu



Course content

Why attend

Temperature-sensitive products such as food, pharmaceuticals and vaccines require controlled conditions from production to consumption. This course covers cold chain principles, packaging, storage and transport, temperature monitoring, regulatory requirements, risk management and excursion handling.

Cold chain failures cause product loss, safety risks and regulatory issues. This course helps you design and manage reliable cold chains.

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

The course uses case studies, risk assessment exercises, monitoring technology demonstrations and process design workshops.

Course objectives

By the end of this course, participants will be able to:
• Explain cold chain principles and product requirements
• Select packaging, storage and transport solutions
• Implement temperature monitoring and data logging
• Comply with relevant regulations and good distribution practice
• Manage temperature excursions and risks
• Improve cold chain performance and sustainability

Target audience

This course is suitable for:
• Logistics and supply chain managers
• Pharmaceutical distribution professionals
• Food supply chain managers
• Quality assurance staff
• Warehouse managers



Course content

Target competencies

Participants will develop competencies in:

- Temperature control
- Cold chain packaging
- Monitoring technology
- Regulatory compliance
- Excursion management
- Risk assessment

Course outline

Day 1: Cold Chain Fundamentals

09:00–09:54	Temperature-sensitive products
09:54–10:48	Cold chain stages
10:48–11:00	Failure costs
11:00–11:30	**Coffee break**
11:30–12:12	Failure costs (continued)
12:12–13:06	Stakeholders
13:06–14:00	Exercise: Mapping a cold chain

Day 2: Storage and Packaging

09:00–09:54	Cold storage design
09:54–10:48	Passive and active packaging
10:48–11:00	Qualification and validation
11:00–11:30	**Coffee break**
11:30–12:12	Qualification and validation (continued)
12:12–13:06	Handling procedures
13:06–14:00	Workshop: Packaging selection



Course content

Day 3: Transport and Monitoring

09:00–09:54	Refrigerated transport
09:54–10:48	Air and sea cold chain
10:48–11:00	Data loggers and IoT
11:00–11:30	**Coffee break**
11:30–12:12	Data loggers and IoT (continued)
12:12–13:06	Real-time visibility
13:06–14:00	Demonstration: Monitoring tools

Day 4: Regulation and Quality

09:00–09:54	Good distribution practice
09:54–10:48	Food safety requirements
10:48–11:00	Documentation
11:00–11:30	**Coffee break**
11:30–12:12	Documentation (continued)
12:12–13:06	Audits
13:06–14:00	Case study: Vaccine distribution

Day 5: Risk and Improvement

09:00–09:54	Excursion management
09:54–10:48	Risk assessment
10:48–11:00	Sustainability
11:00–11:30	**Coffee break**
11:30–12:12	Sustainability (continued)
12:12–13:06	KPIs
13:06–14:00	Capstone: Cold chain improvement plan

The timings provided are estimates and may vary depending on the number of participants and the discussions taking place during the



Course content

sessions. They are indicative only and do not constitute a binding commitment.

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	**€3,150.–**
Online Confirmed dates	16 Nov 2026	20 Nov 2026	**€1,250.–**
Frankfurt Confirmed dates	7 Dec 2026	11 Dec 2026	**€2,650.–**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,250.–**
Kuala Lumpur Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,450.–**
Online Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,250.–**
Paris Confirmed dates	4 Jan 2027	8 Jan 2027	**€2,860.–**
Online Confirmed dates	4 Jan 2027	8 Jan 2027	**€1,250.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Istanbul Confirmed dates	18 Jan 2027	22 Jan 2027	**€2,650.-**
Online Confirmed dates	18 Jan 2027	22 Jan 2027	**€1,250.-**
Rome Confirmed dates	25 Jan 2027	29 Jan 2027	**€2,450.-**
Online Confirmed dates	25 Jan 2027	29 Jan 2027	**€1,250.-**
Amsterdam Confirmed dates	1 Feb 2027	5 Feb 2027	**€2,540.-**
Online Confirmed dates	1 Feb 2027	5 Feb 2027	**€1,250.-**
Singapore Confirmed dates	15 Feb 2027	19 Feb 2027	**€2,820.-**
Online Confirmed dates	15 Feb 2027	19 Feb 2027	**€1,250.-**
London Confirmed dates	1 Mar 2027	5 Mar 2027	**€2,450.-**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	1 Mar 2027	5 Mar 2027	**€1,250.–**
Dubai Confirmed dates	15 Mar 2027	19 Mar 2027	**€3,150.–**
Online Confirmed dates	15 Mar 2027	19 Mar 2027	**€1,250.–**
Cape Town Confirmed dates	29 Mar 2027	2 Apr 2027	**€1,890.–**
Online Confirmed dates	29 Mar 2027	2 Apr 2027	**€1,250.–**
Frankfurt Confirmed dates	5 Apr 2027	9 Apr 2027	**€2,650.–**
Online Confirmed dates	5 Apr 2027	9 Apr 2027	**€1,250.–**
Kuala Lumpur Confirmed dates	19 Apr 2027	23 Apr 2027	**€1,450.–**
Online Confirmed dates	19 Apr 2027	23 Apr 2027	**€1,250.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Paris Confirmed dates	3 May 2027	7 May 2027	**€2,860.-**
Online Confirmed dates	3 May 2027	7 May 2027	**€1,250.-**
Istanbul Confirmed dates	17 May 2027	21 May 2027	**€2,650.-**
Online Confirmed dates	17 May 2027	21 May 2027	**€1,250.-**
Barcelona Confirmed dates	24 May 2027	28 May 2027	**€2,840.-**
Online Confirmed dates	24 May 2027	28 May 2027	**€1,250.-**
Amsterdam Confirmed dates	7 Jun 2027	11 Jun 2027	**€2,540.-**
Online Confirmed dates	7 Jun 2027	11 Jun 2027	**€1,250.-**
Singapore Confirmed dates	21 Jun 2027	25 Jun 2027	**€2,820.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**€1,250.-**
London Confirmed dates	5 Jul 2027	9 Jul 2027	**€2,450.-**
Online Confirmed dates	5 Jul 2027	9 Jul 2027	**€1,250.-**
Dubai Confirmed dates	19 Jul 2027	23 Jul 2027	**€3,150.-**
Online Confirmed dates	19 Jul 2027	23 Jul 2027	**€1,250.-**
Vienna Confirmed dates	26 Jul 2027	30 Jul 2027	**€2,940.-**
Online Confirmed dates	26 Jul 2027	30 Jul 2027	**€1,250.-**
Frankfurt Confirmed dates	2 Aug 2027	6 Aug 2027	**€2,650.-**
Online Confirmed dates	2 Aug 2027	6 Aug 2027	**€1,250.-**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Kuala Lumpur Confirmed dates	16 Aug 2027	20 Aug 2027	**€1,450.-**
Online Confirmed dates	16 Aug 2027	20 Aug 2027	**€1,250.-**
Paris Confirmed dates	6 Sept 2027	10 Sept 2027	**€2,860.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**€1,250.-**
Istanbul Confirmed dates	20 Sept 2027	24 Sept 2027	**€2,650.-**
Online Confirmed dates	20 Sept 2027	24 Sept 2027	**€1,250.-**
Rome Confirmed dates	27 Sept 2027	1 Oct 2027	**€2,450.-**
Online Confirmed dates	27 Sept 2027	1 Oct 2027	**€1,250.-**
Amsterdam Confirmed dates	4 Oct 2027	8 Oct 2027	**€2,540.-**



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Dates, venues and fees (continued)

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Online Confirmed dates	4 Oct 2027	8 Oct 2027	**€1,250.-**
Singapore Confirmed dates	18 Oct 2027	22 Oct 2027	**€2,820.-**
Online Confirmed dates	18 Oct 2027	22 Oct 2027	**€1,250.-**
London Confirmed dates	1 Nov 2027	5 Nov 2027	**€2,450.-**
Online Confirmed dates	1 Nov 2027	5 Nov 2027	**€1,250.-**
Dubai Confirmed dates	15 Nov 2027	19 Nov 2027	**€3,150.-**
Online Confirmed dates	15 Nov 2027	19 Nov 2027	**€1,250.-**
Cape Town Confirmed dates	29 Nov 2027	3 Dec 2027	**€1,890.-**
Online Confirmed dates	29 Nov 2027	3 Dec 2027	**€1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Frankfurt Confirmed dates	6 Dec 2027	10 Dec 2027	**€2,650.-**
Online Confirmed dates	6 Dec 2027	10 Dec 2027	**€1,250.-**
Kuala Lumpur Confirmed dates	13 Dec 2027	17 Dec 2027	**€1,450.-**
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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View the latest course details online