

OPERATIONS & SUPPLY CHAIN | COURSE BROCHURE

Spare Parts and MRO Inventory Management

5 days | Classroom training | English

SMART HORIZON

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Course content

Why attend

Maintenance, repair and operations inventory is essential for asset uptime but often ties up large amounts of capital. This course covers spare parts classification, criticality analysis, stocking policies, forecasting for intermittent demand, cataloguing, storage and preservation, and MRO procurement.

Stockouts of critical spares cause costly downtime, while excess stock wastes capital. This course helps you balance availability and cost.

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 criticality workshops, inventory analysis exercises, case studies and policy design.

Course objectives

By the end of this course, participants will be able to:

- Classify spare parts and MRO items
- Assess criticality and risk
- Set stocking policies and reorder levels
- Forecast intermittent demand
- Improve cataloguing and data quality
- Optimise storage, preservation and procurement

Target audience

This course is suitable for:

- Materials and inventory managers
- Maintenance planners
- Warehouse managers
- Procurement professionals
- Reliability engineers



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Target competencies

Participants will develop competencies in:

- Spare parts classification
- Criticality analysis
- Stocking policy
- Intermittent demand forecasting
- Master data management
- MRO procurement

Course outline

Day 1: MRO Inventory Fundamentals

09:00–09:54	Characteristics of spare parts
09:54–10:48	Costs and service trade-offs
10:48–11:00	Roles and responsibilities
11:00–11:30	**Coffee break**
11:30–12:12	Roles and responsibilities (continued)
12:12–13:06	Benchmarking
13:06–14:00	Exercise: Inventory profile

Day 2: Criticality and Classification

09:00–09:54	ABC and VED analysis
09:54–10:48	Criticality assessment
10:48–11:00	Insurance spares
11:00–11:30	**Coffee break**
11:30–12:12	Insurance spares (continued)
12:12–13:06	Obsolescence
13:06–14:00	Workshop: Criticality analysis



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Day 3: Stocking Policies

09:00–09:54	Min-max and reorder points
09:54–10:48	Intermittent demand methods
10:48–11:00	Service levels
11:00–11:30	**Coffee break**
11:30–12:12	Service levels (continued)
12:12–13:06	Pooling
13:06–14:00	Lab: Setting stock levels

Day 4: Data and Storage

09:00–09:54	Cataloguing standards
09:54–10:48	Duplicate removal
10:48–11:00	Storage and preservation
11:00–11:30	**Coffee break**
11:30–12:12	Storage and preservation (continued)
12:12–13:06	Kitting
13:06–14:00	Case study: Cleaning MRO data

Day 5: Procurement and Improvement

09:00–09:54	Supplier agreements
09:54–10:48	Consignment stock
10:48–11:00	Inventory reduction projects
11:00–11:30	**Coffee break**
11:30–12:12	Inventory reduction projects (continued)
12:12–13:06	KPIs
13:06–14:00	Capstone: MRO improvement plan

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



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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)
Kuala Lumpur Confirmed dates	9 Nov 2026	13 Nov 2026	**€1,450.–**
Online Confirmed dates	9 Nov 2026	13 Nov 2026	**€1,250.–**
Paris Confirmed dates	23 Nov 2026	27 Nov 2026	**€2,860.–**
Online Confirmed dates	23 Nov 2026	27 Nov 2026	**€1,250.–**
Istanbul Confirmed dates	7 Dec 2026	11 Dec 2026	**€2,650.–**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,250.–**
Amsterdam Confirmed dates	14 Dec 2026	18 Dec 2026	**€2,540.–**
Online Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,250.–**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Singapore Confirmed dates	11 Jan 2027	15 Jan 2027	**€2,820.–**
Online Confirmed dates	11 Jan 2027	15 Jan 2027	**€1,250.–**
Rome Confirmed dates	18 Jan 2027	22 Jan 2027	**€2,450.–**
Online Confirmed dates	18 Jan 2027	22 Jan 2027	**€1,250.–**
London Confirmed dates	25 Jan 2027	29 Jan 2027	**€2,450.–**
Online Confirmed dates	25 Jan 2027	29 Jan 2027	**€1,250.–**
Dubai Confirmed dates	8 Feb 2027	12 Feb 2027	**€3,150.–**
Online Confirmed dates	8 Feb 2027	12 Feb 2027	**€1,250.–**
Frankfurt Confirmed dates	22 Feb 2027	26 Feb 2027	**€2,650.–**



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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	**€1,450.-**
Online Confirmed dates	8 Mar 2027	12 Mar 2027	**€1,250.-**
Paris Confirmed dates	22 Mar 2027	26 Mar 2027	**€2,860.-**
Online Confirmed dates	22 Mar 2027	26 Mar 2027	**€1,250.-**
Barcelona Confirmed dates	29 Mar 2027	2 Apr 2027	**€2,840.-**
Online Confirmed dates	29 Mar 2027	2 Apr 2027	**€1,250.-**
Istanbul Confirmed dates	12 Apr 2027	16 Apr 2027	**€2,650.-**
Online Confirmed dates	12 Apr 2027	16 Apr 2027	**€1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Amsterdam Confirmed dates	26 Apr 2027	30 Apr 2027	**€2,540.-**
Online Confirmed dates	26 Apr 2027	30 Apr 2027	**€1,250.-**
Singapore Confirmed dates	10 May 2027	14 May 2027	**€2,820.-**
Online Confirmed dates	10 May 2027	14 May 2027	**€1,250.-**
London Confirmed dates	24 May 2027	28 May 2027	**€2,450.-**
Online Confirmed dates	24 May 2027	28 May 2027	**€1,250.-**
Rome Confirmed dates	31 May 2027	4 Jun 2027	**€2,450.-**
Online Confirmed dates	31 May 2027	4 Jun 2027	**€1,250.-**
Dubai Confirmed dates	14 Jun 2027	18 Jun 2027	**€3,150.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	14 Jun 2027	18 Jun 2027	**€1,250.–**
Frankfurt Confirmed dates	21 Jun 2027	25 Jun 2027	**€2,650.–**
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**€1,250.–**
Kuala Lumpur Confirmed dates	12 Jul 2027	16 Jul 2027	**€1,450.–**
Online Confirmed dates	12 Jul 2027	16 Jul 2027	**€1,250.–**
Vienna Confirmed dates	19 Jul 2027	23 Jul 2027	**€2,940.–**
Online Confirmed dates	19 Jul 2027	23 Jul 2027	**€1,250.–**
Paris Confirmed dates	26 Jul 2027	30 Jul 2027	**€2,860.–**
Online Confirmed dates	26 Jul 2027	30 Jul 2027	**€1,250.–**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Istanbul Confirmed dates	9 Aug 2027	13 Aug 2027	**€2,650.-**
Online Confirmed dates	9 Aug 2027	13 Aug 2027	**€1,250.-**
Amsterdam Confirmed dates	23 Aug 2027	27 Aug 2027	**€2,540.-**
Online Confirmed dates	23 Aug 2027	27 Aug 2027	**€1,250.-**
Singapore Confirmed dates	13 Sept 2027	17 Sept 2027	**€2,820.-**
Online Confirmed dates	13 Sept 2027	17 Sept 2027	**€1,250.-**
London Confirmed dates	20 Sept 2027	24 Sept 2027	**€2,450.-**
Online Confirmed dates	20 Sept 2027	24 Sept 2027	**€1,250.-**
Cape Town Confirmed dates	27 Sept 2027	1 Oct 2027	**€1,890.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	27 Sept 2027	1 Oct 2027	**€1,250.–**
Dubai Confirmed dates	11 Oct 2027	15 Oct 2027	**€3,150.–**
Online Confirmed dates	11 Oct 2027	15 Oct 2027	**€1,250.–**
Frankfurt Confirmed dates	25 Oct 2027	29 Oct 2027	**€2,650.–**
Online Confirmed dates	25 Oct 2027	29 Oct 2027	**€1,250.–**
Kuala Lumpur Confirmed dates	8 Nov 2027	12 Nov 2027	**€1,450.–**
Online Confirmed dates	8 Nov 2027	12 Nov 2027	**€1,250.–**
Paris Confirmed dates	22 Nov 2027	26 Nov 2027	**€2,860.–**
Online Confirmed dates	22 Nov 2027	26 Nov 2027	**€1,250.–**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Cape Town Confirmed dates	29 Nov 2027	3 Dec 2027	**€1,890.–**
Online Confirmed dates	29 Nov 2027	3 Dec 2027	**€1,250.–**
Istanbul Confirmed dates	6 Dec 2027	10 Dec 2027	**€2,650.–**
Online Confirmed dates	6 Dec 2027	10 Dec 2027	**€1,250.–**
Amsterdam Confirmed dates	13 Dec 2027	17 Dec 2027	**€2,540.–**
Online Confirmed dates	13 Dec 2027	17 Dec 2027	**€1,250.–**



Course content

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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