

MAINTENANCE AND ENGINEERING | COURSE BROCHURE

Spare Parts Optimisation

5 days | Classroom training | English

SMART HORIZON

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Course content

Why attend

Spare parts inventories are often large, slow-moving and still missing critical items when needed. This course covers spare parts optimisation: criticality and risk assessment, demand patterns for spares, stocking models for slow movers, insurance spares, pooling and vendor-managed stock, obsolescence and inventory reduction.

The right spares at the right time prevent long outages without tying up excessive cash. You will learn to optimise spares scientifically.

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

Criticality analysis, stocking calculations, case studies and optimisation workshops.

Course objectives

By the end of this course, participants will be able to:
• Assess spare part criticality
• Analyse spare parts demand patterns
• Apply stocking models for slow-moving items
• Justify insurance spares
• Use pooling and supplier arrangements
• Reduce obsolete and excess spares

Target audience

This course is suitable for:
• Materials and stores managers
• Maintenance planners
• Reliability engineers
• Inventory controllers
• Procurement staff



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Target competencies

Participants will develop competencies in:

- Criticality analysis
- Demand analysis
- Stocking optimisation
- Risk-based decisions
- Inventory reduction

Course outline

Day 1: Spares Challenges

09:00–10:08	Characteristics of spares
10:08–11:00	Costs and risks
11:00–11:30	**Coffee break**
11:30–11:45	Costs and risks (continued)
11:45–12:53	KPIs
12:53–14:00	Exercise

Day 2: Criticality

09:00–10:08	Criticality criteria
10:08–11:00	Lead times
11:00–11:30	**Coffee break**
11:30–11:45	Lead times (continued)
11:45–12:53	Equipment risk
12:53–14:00	Workshop

Day 3: Stocking Models

09:00–10:08	Slow-moving demand
10:08–11:00	Poisson models
11:00–11:30	**Coffee break**



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11:30–11:45	Poisson models (continued)
11:45–12:53	Service levels
12:53–14:00	Exercise

Day 4: Insurance and Pooling

09:00–10:08	Insurance spares
10:08–11:00	Pooling
11:00–11:30	**Coffee break**
11:30–11:45	Pooling (continued)
11:45–12:53	Consignment stock
12:53–14:00	Case study

Day 5: Reduction

09:00–10:08	Obsolescence
10:08–11:00	Disposal
11:00–11:30	**Coffee break**
11:30–11:45	Disposal (continued)
11:45–12:53	Governance
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)
Barcelona Confirmed dates	16 Nov 2026	20 Nov 2026	**€5,680.–**
Online Confirmed dates	16 Nov 2026	20 Nov 2026	**€1,250.–**
Rome Confirmed dates	7 Dec 2026	11 Dec 2026	**€4,900.–**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,250.–**
Amsterdam Confirmed dates	11 Jan 2027	15 Jan 2027	**€5,080.–**
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.–**
Kuala Lumpur Confirmed dates	22 Feb 2027	26 Feb 2027	**€2,900.–**



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.–**
Dubai Confirmed dates	8 Mar 2027	12 Mar 2027	**€6,300.–**
Online Confirmed dates	8 Mar 2027	12 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.–**
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 (EUR)
Vienna Confirmed dates	31 May 2027	4 Jun 2027	**€5,880.–**
Online Confirmed dates	31 May 2027	4 Jun 2027	**€1,250.–**
London Confirmed dates	14 Jun 2027	18 Jun 2027	**€4,900.–**
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.–**
Istanbul 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.-**
Frankfurt Confirmed dates	6 Sept 2027	10 Sept 2027	**€5,300.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**€1,250.-**
Barcelona Confirmed dates	20 Sept 2027	24 Sept 2027	**€5,680.-**
Online Confirmed dates	20 Sept 2027	24 Sept 2027	**€1,250.-**
Cape Town Confirmed dates	11 Oct 2027	15 Oct 2027	**€3,780.-**
Online Confirmed dates	11 Oct 2027	15 Oct 2027	**€1,250.-**
Paris Confirmed dates	1 Nov 2027	5 Nov 2027	**€5,720.-**
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.-**
Cape Town Confirmed dates	13 Dec 2027	17 Dec 2027	**€3,780.-**
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