

MAINTENANCE AND ENGINEERING | COURSE BROCHURE

Maintenance KPIs and Benchmarking

5 days | Classroom training | English

SMART HORIZON

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Course content

Why attend

Maintenance performance must be measured to be improved. This course covers maintenance KPIs: leading and lagging indicators, availability and reliability measures, planning and scheduling metrics, cost and inventory indicators, data quality, benchmarking against industry standards and using KPIs to drive improvement.

Many maintenance departments track too many or the wrong indicators. You will learn to build a focused, meaningful KPI system.

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

KPI calculation exercises, dashboard design, benchmarking case studies and improvement workshops.

Course objectives

By the end of this course, participants will be able to:
• Select balanced maintenance KPIs
• Calculate availability, MTBF and MTTR
• Measure planning and schedule compliance
• Track maintenance costs and inventory
• Benchmark against industry standards
• Use KPIs to drive improvement

Target audience

This course is suitable for:
• Maintenance managers and engineers
• Reliability engineers
• Maintenance planners
• Asset managers
• Operations managers



Course content

Target competencies

Participants will develop competencies in:

- KPI selection
- Reliability metrics
- Data quality
- Benchmarking
- Performance improvement

Course outline

Day 1: Measuring Maintenance

09:00–10:08	Purpose of KPIs
10:08–11:00	Leading and lagging indicators
11:00–11:30	**Coffee break**
11:30–11:45	Leading and lagging indicators (continued)
11:45–12:53	Common pitfalls
12:53–14:00	Exercise

Day 2: Reliability Metrics

09:00–10:08	Availability
10:08–11:00	MTBF and MTTR
11:00–11:30	**Coffee break**
11:30–11:45	MTBF and MTTR (continued)
11:45–12:53	OEE links
12:53–14:00	Calculation exercise

Day 3: Work Management Metrics

09:00–10:08	Planned work
10:08–11:00	Schedule compliance
11:00–11:30	**Coffee break**



Course content

11:30–11:45	Schedule compliance (continued)
11:45–12:53	Backlog
12:53–14:00	Workshop

Day 4: Cost and Benchmarking

09:00–10:08	Maintenance cost indicators
10:08–11:00	Inventory metrics
11:00–11:30	**Coffee break**
11:30–11:45	Inventory metrics (continued)
11:45–12:53	Benchmarking
12:53–14:00	Case study

Day 5: Using KPIs

09:00–10:08	Dashboards
10:08–11:00	Reviews
11:00–11:30	**Coffee break**
11:30–11:45	Reviews (continued)
11:45–12:53	Improvement plans
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)
Istanbul Confirmed dates	23 Nov 2026	27 Nov 2026	**€5,300.-**
Online Confirmed dates	23 Nov 2026	27 Nov 2026	**€1,250.-**
Dubai Confirmed dates	14 Dec 2026	18 Dec 2026	**€6,300.-**
Online Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,250.-**
Cape Town Confirmed dates	11 Jan 2027	15 Jan 2027	**€3,780.-**
Online Confirmed dates	11 Jan 2027	15 Jan 2027	**€1,250.-**
Dubai Confirmed dates	1 Feb 2027	5 Feb 2027	**€6,300.-**
Online Confirmed dates	1 Feb 2027	5 Feb 2027	**€1,250.-**
Rome Confirmed dates	22 Feb 2027	26 Feb 2027	**€4,900.-**



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.–**
Paris Confirmed dates	15 Mar 2027	19 Mar 2027	**€5,720.–**
Online Confirmed dates	15 Mar 2027	19 Mar 2027	**€1,250.–**
Cape Town Confirmed dates	5 Apr 2027	9 Apr 2027	**€3,780.–**
Online Confirmed dates	5 Apr 2027	9 Apr 2027	**€1,250.–**
Amsterdam Confirmed dates	19 Apr 2027	23 Apr 2027	**€5,080.–**
Online Confirmed dates	19 Apr 2027	23 Apr 2027	**€1,250.–**
London Confirmed dates	10 May 2027	14 May 2027	**€4,900.–**
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.–**
Barcelona Confirmed dates	21 Jun 2027	25 Jun 2027	**€5,680.–**
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**€1,250.–**
Dubai Confirmed dates	12 Jul 2027	16 Jul 2027	**€6,300.–**
Online Confirmed dates	12 Jul 2027	16 Jul 2027	**€1,250.–**
Rome Confirmed dates	26 Jul 2027	30 Jul 2027	**€4,900.–**
Online Confirmed dates	26 Jul 2027	30 Jul 2027	**€1,250.–**
Cape Town Confirmed dates	16 Aug 2027	20 Aug 2027	**€3,780.–**



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	27 Sept 2027	1 Oct 2027	**€5,680.-**
Online Confirmed dates	27 Sept 2027	1 Oct 2027	**€1,250.-**
Vienna Confirmed dates	18 Oct 2027	22 Oct 2027	**€5,880.-**
Online Confirmed dates	18 Oct 2027	22 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.-**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
London Confirmed dates	22 Nov 2027	26 Nov 2027	**€4,900.-**
Online Confirmed dates	22 Nov 2027	26 Nov 2027	**€1,250.-**
Kuala Lumpur Confirmed dates	13 Dec 2027	17 Dec 2027	**€2,900.-**
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 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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