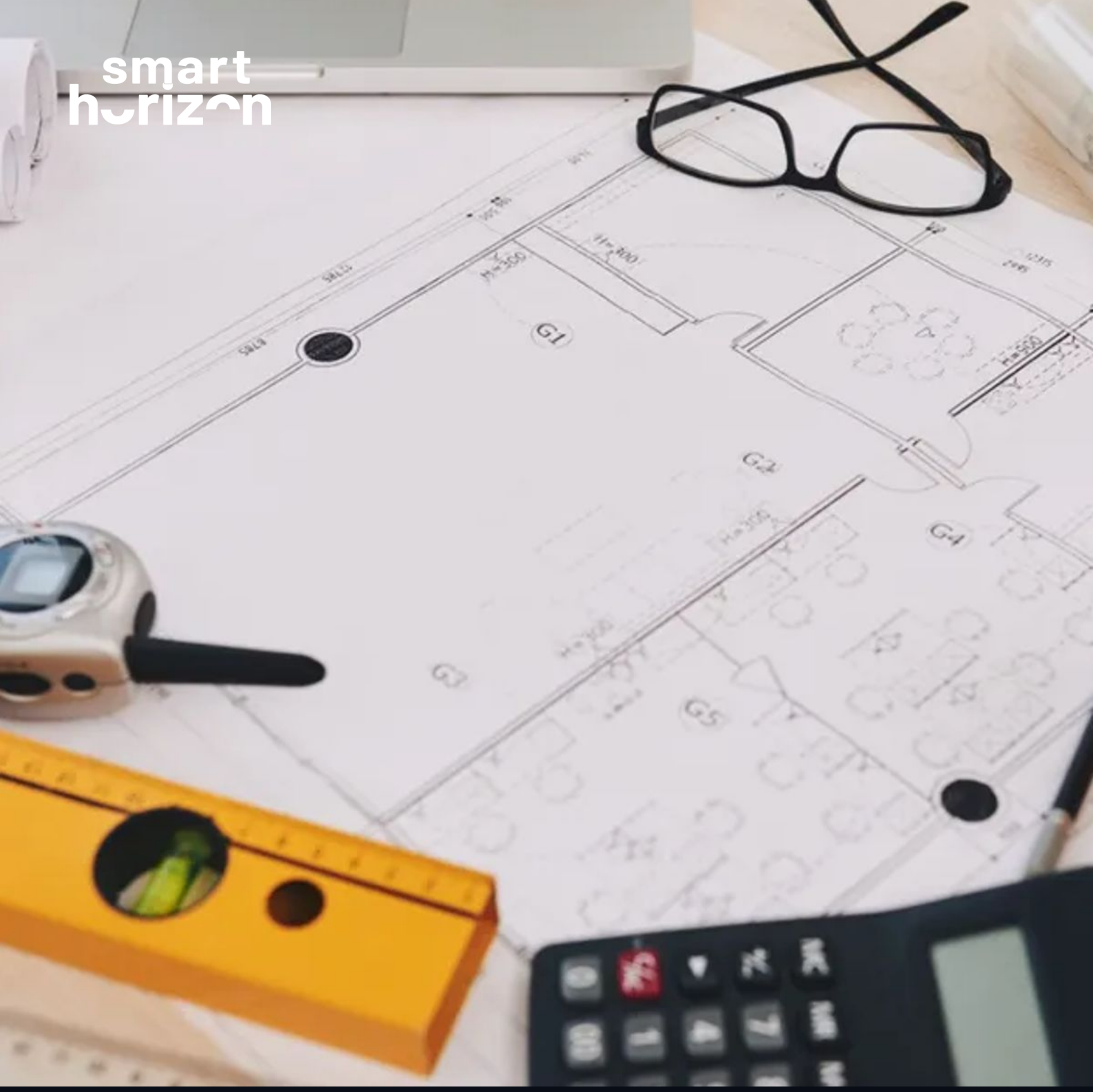


MAINTENANCE AND ENGINEERING | COURSE BROCHURE

Life Cycle Costing for Engineering Assets

5 days | Classroom training | English

SMART HORIZON
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Amsterdam
The Netherlands

Explore current programmes
https://smart-horizon.eu



Course content

Why attend

Purchase price is only a fraction of the total cost of owning an asset. This course teaches life cycle costing for engineering assets: cost breakdown structures, capital, operating, maintenance and disposal costs, discounting, reliability and availability effects, comparing options and supporting replacement and investment decisions.

Buying on lowest price often leads to higher total cost. You will learn to make asset decisions on whole-life value.

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

LCC modelling exercises, option comparison case studies and replacement decision workshops.

Course objectives

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

- Explain life cycle cost concepts
- Build cost breakdown structures
- Estimate operating and maintenance costs
- Apply discounting and net present value
- Include reliability and downtime costs
- Support purchase and replacement decisions

Target audience

This course is suitable for:

- Asset and maintenance managers
- Engineers specifying equipment
- Procurement professionals
- Finance analysts
- Project engineers



Course content

Target competencies

Participants will develop competencies in:

- Cost modelling
- Financial evaluation
- Reliability economics
- Option comparison
- Decision support

Course outline

Day 1: Life Cycle Costing

09:00–10:08	Why LCC
10:08–11:00	Life cycle stages
11:00–11:30	**Coffee break**
11:30–11:45	Life cycle stages (continued)
11:45–12:53	Standards
12:53–14:00	Exercise

Day 2: Cost Structures

09:00–10:08	Capital costs
10:08–11:00	Operating and maintenance costs
11:00–11:30	**Coffee break**
11:30–11:45	Operating and maintenance costs (continued)
11:45–12:53	Disposal
12:53–14:00	Workshop

Day 3: Financial Evaluation

09:00–10:08	Discounting
10:08–11:00	NPV and equivalent annual cost
11:00–11:30	**Coffee break**



Course content

11:30–11:45	NPV and equivalent annual cost (continued)
11:45–12:53	Sensitivity
12:53–14:00	Exercise

Day 4: Reliability Effects

09:00–10:08	Availability and downtime
10:08–11:00	Spares
11:00–11:30	**Coffee break**
11:30–11:45	Spares (continued)
11:45–12:53	Risk
12:53–14:00	Case study

Day 5: Decisions

09:00–10:08	Option comparison
10:08–11:00	Replacement timing
11:00–11:30	**Coffee break**
11:30–11:45	Replacement timing (continued)
11:45–12:53	Reporting
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)
Frankfurt Confirmed dates	23 Nov 2026	27 Nov 2026	**€5,300.–**
Online Confirmed dates	23 Nov 2026	27 Nov 2026	**€1,250.–**
Barcelona Confirmed dates	14 Dec 2026	18 Dec 2026	**€5,680.–**
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.–**
Vienna Confirmed dates	22 Feb 2027	26 Feb 2027	**€5,880.–**



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.-**
London Confirmed dates	15 Mar 2027	19 Mar 2027	**€4,900.-**
Online Confirmed dates	15 Mar 2027	19 Mar 2027	**€1,250.-**
Amsterdam Confirmed dates	5 Apr 2027	9 Apr 2027	**€5,080.-**
Online Confirmed dates	5 Apr 2027	9 Apr 2027	**€1,250.-**
Rome Confirmed dates	19 Apr 2027	23 Apr 2027	**€4,900.-**
Online Confirmed dates	19 Apr 2027	23 Apr 2027	**€1,250.-**
Kuala Lumpur Confirmed dates	10 May 2027	14 May 2027	**€2,900.-**
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)
Barcelona Confirmed dates	31 May 2027	4 Jun 2027	**€5,680.-**
Online Confirmed dates	31 May 2027	4 Jun 2027	**€1,250.-**
Paris Confirmed dates	21 Jun 2027	25 Jun 2027	**€5,720.-**
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.-**
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.-**
Cape Town Confirmed dates	6 Sept 2027	10 Sept 2027	**€3,780.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**€1,250.-**
Dubai Confirmed dates	27 Sept 2027	1 Oct 2027	**€6,300.-**
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)
Cape Town Confirmed dates	22 Nov 2027	26 Nov 2027	**€3,780.-**
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 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