

MAINTENANCE AND ENGINEERING | COURSE BROCHURE

Energy Management in Industrial Plants

5 days | Classroom training | English

SMART HORIZON

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Course content

Why attend

Energy is a major operating cost in industrial plants and a key source of emissions. This course covers industrial energy management: energy audits, metering and monitoring, energy balances, efficiency opportunities in motors, steam, compressed air, heating and cooling, energy management systems, project evaluation and sustaining savings.

Most industrial plants can cut energy costs significantly with practical measures. You will learn to find, evaluate and deliver energy savings.

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

Energy audit exercises, savings calculations, case studies and energy management system planning.

Course objectives

By the end of this course, participants will be able to:
• Conduct industrial energy audits
• Set up metering and energy monitoring
• Build energy balances and baselines
• Identify efficiency opportunities across utilities
• Evaluate energy projects financially
• Sustain savings through energy management systems

Target audience

This course is suitable for:
• Energy managers
• Plant and utility engineers
• Maintenance managers
• Sustainability managers
• Operations managers



Course content

Target competencies

Participants will develop competencies in:

- Energy auditing
- Data monitoring
- Opportunity identification
- Project evaluation
- Energy management systems

Course outline

Day 1: Energy Management

09:00–10:08	Energy costs and emissions
10:08–11:00	Management systems
11:00–11:30	**Coffee break**
11:30–11:45	Management systems (continued)
11:45–12:53	Roles
12:53–14:00	Exercise

Day 2: Audits and Monitoring

09:00–10:08	Audit methods
10:08–11:00	Metering
11:00–11:30	**Coffee break**
11:30–11:45	Metering (continued)
11:45–12:53	Baselines
12:53–14:00	Workshop

Day 3: Utilities

09:00–10:08	Motors and drives
10:08–11:00	Steam and compressed air
11:00–11:30	**Coffee break**



Course content

11:30–11:45	Steam and compressed air (continued)
11:45–12:53	Heating and cooling
12:53–14:00	Exercise

Day 4: Projects

09:00–10:08	Savings calculations
10:08–11:00	Financial evaluation
11:00–11:30	**Coffee break**
11:30–11:45	Financial evaluation (continued)
11:45–12:53	Funding
12:53–14:00	Case study

Day 5: Sustaining Savings

09:00–10:08	Energy KPIs
10:08–11:00	Behaviour
11:00–11:30	**Coffee break**
11:30–11:45	Behaviour (continued)
11:45–12:53	Continuous improvement
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 GBP, excluding unconfirmed taxes.

Venue	Start date	End date	Fee (GBP)
Cape Town Confirmed dates	23 Nov 2026	27 Nov 2026	**£3,780.–**
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.–**
Rome Confirmed dates	11 Jan 2027	15 Jan 2027	**£4,900.–**
Online Confirmed dates	11 Jan 2027	15 Jan 2027	**£1,250.–**
Frankfurt Confirmed dates	1 Feb 2027	5 Feb 2027	**£5,300.–**
Online Confirmed dates	1 Feb 2027	5 Feb 2027	**£1,250.–**
Paris Confirmed dates	22 Feb 2027	26 Feb 2027	**£5,720.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (GBP)
Online Confirmed dates	22 Feb 2027	26 Feb 2027	**£1,250.–**
Amsterdam Confirmed dates	15 Mar 2027	19 Mar 2027	**£5,080.–**
Online Confirmed dates	15 Mar 2027	19 Mar 2027	**£1,250.–**
Vienna Confirmed dates	5 Apr 2027	9 Apr 2027	**£5,880.–**
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.–**
Cape Town Confirmed dates	10 May 2027	14 May 2027	**£3,780.–**
Online Confirmed dates	10 May 2027	14 May 2027	**£1,250.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (GBP)
London Confirmed dates	31 May 2027	4 Jun 2027	**£4,900.-**
Online Confirmed dates	31 May 2027	4 Jun 2027	**£1,250.-**
Dubai Confirmed dates	21 Jun 2027	25 Jun 2027	**£6,300.-**
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**£1,250.-**
Barcelona Confirmed dates	12 Jul 2027	16 Jul 2027	**£5,680.-**
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.-**
Vienna Confirmed dates	16 Aug 2027	20 Aug 2027	**£5,880.-**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (GBP)
Online Confirmed dates	16 Aug 2027	20 Aug 2027	**£1,250.-**
Dubai Confirmed dates	6 Sept 2027	10 Sept 2027	**£6,300.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**£1,250.-**
Cape Town Confirmed dates	27 Sept 2027	1 Oct 2027	**£3,780.-**
Online Confirmed dates	27 Sept 2027	1 Oct 2027	**£1,250.-**
Kuala Lumpur Confirmed dates	18 Oct 2027	22 Oct 2027	**£2,900.-**
Online Confirmed dates	18 Oct 2027	22 Oct 2027	**£1,250.-**
Istanbul Confirmed dates	1 Nov 2027	5 Nov 2027	**£5,300.-**
Online Confirmed dates	1 Nov 2027	5 Nov 2027	**£1,250.-**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (GBP)
Barcelona Confirmed dates	22 Nov 2027	26 Nov 2027	**£5,680.-**
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 UK 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