



Wind Energy Systems: Advanced Level

Energy, Power & Renewables

QGT-ENR-124 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Wind Energy Systems: Advanced Level is an advanced programme for experienced practitioners in Wind Energy Systems. It covers the principles, the requirements of IEC, ISO 50001, GHG Protocol and IEA guidance, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Wind Energy Systems
- Apply the relevant requirements of IEC, ISO 50001, GHG Protocol and IEA guidance
- Apply advanced analysis methods to real operating data
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for power plant staff, energy managers, sustainability teams and engineers with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in IEC, ISO 50001, GHG Protocol and IEA guidance

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
24 May – 4 Jun 2027	Beirut	Classroom	10 days	\$9,900
28 Jun – 2 Jul 2027	Luanda	Classroom	5 days	\$5,500
19–30 Sep 2027	Kuwait City	Classroom	10 days	\$9,900
10–14 Oct 2027	Jeddah	Classroom	5 days	\$5,500
1–12 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
9–20 Apr 2028	Amman	Classroom	10 days	\$9,900
22–26 May 2028	Milan	Classroom	5 days	\$5,500
29 May – 9 Jun 2028	Kuala Lumpur	Classroom	10 days	\$9,900
21–25 Aug 2028	Geneva	Classroom	5 days	\$5,500
16–27 Oct 2028	Online (live)	Online (live)	10 days	\$5,500
14–25 Jan 2029	Alexandria	Classroom	10 days	\$9,900
23–27 Apr 2029	Manchester	Classroom	5 days	\$5,500
28 May – 8 Jun 2029	Sharjah	Classroom	10 days	\$9,900
30 Sep – 4 Oct 2029	Cairo	Classroom	5 days	\$5,500
19–30 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
29 Apr – 10 May 2030	Berlin	Classroom	10 days	\$9,900
6–10 May 2030	Casablanca	Classroom	5 days	\$5,500
12–23 Aug 2030	Tunis	Classroom	10 days	\$9,900
19–23 Aug 2030	Istanbul	Classroom	5 days	\$5,500
21 Oct – 1 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/wind-energy-systems-advanced-level/>

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