



Combined Cycle Power Plants: Advanced Level

Energy, Power & Renewables

QGT-ENR-122 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Combined Cycle Power Plants: Advanced Level is an advanced programme for experienced practitioners in Combined Cycle Power Plants. 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 Combined Cycle Power Plants
- 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
22 Feb – 5 Mar 2027	Budapest	Classroom	10 days	\$9,900
12–16 Jul 2027	London	Classroom	5 days	\$5,500
4–15 Oct 2027	Edinburgh	Classroom	10 days	\$9,900
25–29 Oct 2027	Geneva	Classroom	5 days	\$5,500
22 Nov – 3 Dec 2027	Online (live)	Online (live)	10 days	\$5,500
7–18 Feb 2028	Abu Dhabi	Classroom	10 days	\$9,900
27 Feb – 2 Mar 2028	Dammam	Classroom	5 days	\$5,500
4–15 Jun 2028	Algiers	Classroom	10 days	\$9,900
24–28 Sep 2028	Doha	Classroom	5 days	\$5,500
30 Oct – 10 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
5–16 Feb 2029	Barcelona	Classroom	10 days	\$9,900
7–11 May 2029	Cape Town	Classroom	5 days	\$5,500
4–15 Jun 2029	Sharjah	Classroom	10 days	\$9,900
13–17 Aug 2029	Beirut	Classroom	5 days	\$5,500
29 Oct – 9 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
3–14 Mar 2030	Dammam	Classroom	10 days	\$9,900
1–5 Apr 2030	Rome	Classroom	5 days	\$5,500
8–19 Jul 2030	Frankfurt	Classroom	10 days	\$9,900
25–29 Aug 2030	Jeddah	Classroom	5 days	\$5,500
18–29 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/combined-cycle-power-plants-advanced-level/>

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