



Power Plant Operation & Maintenance: Advanced Level

Energy, Power & Renewables

QGT-ENR-121 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Power Plant Operation & Maintenance: Advanced Level is an advanced programme for experienced practitioners in Power Plant Operation & Maintenance. 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 Power Plant Operation & Maintenance
- 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
8–19 Feb 2027	Dublin	Classroom	10 days	\$9,900
18–22 Apr 2027	Cairo	Classroom	5 days	\$5,500
14–25 Jun 2027	Accra	Classroom	10 days	\$9,900
5–9 Jul 2027	Barcelona	Classroom	5 days	\$5,500
25 Oct – 5 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
13–24 Feb 2028	Al Khobar	Classroom	10 days	\$9,900
13–17 Mar 2028	Prague	Classroom	5 days	\$5,500
2–13 Apr 2028	Amman	Classroom	10 days	\$9,900
5–9 Jun 2028	Houston	Classroom	5 days	\$5,500
7–18 Aug 2028	Online (live)	Online (live)	10 days	\$5,500
15–26 Apr 2029	Salalah	Classroom	10 days	\$9,900
3–7 Jun 2029	Sharm El Sheikh	Classroom	5 days	\$5,500
26 Aug – 6 Sep 2029	Doha	Classroom	10 days	\$9,900
23–27 Sep 2029	Alexandria	Classroom	5 days	\$5,500
5–16 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
21 Jan – 1 Feb 2030	Paris	Classroom	10 days	\$9,900
17–21 Mar 2030	Cairo	Classroom	5 days	\$5,500
8–19 Apr 2030	Edinburgh	Classroom	10 days	\$9,900
15–19 Apr 2030	Singapore	Classroom	5 days	\$5,500
8–19 Jul 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/power-plant-operation-and-maintenance-advanced-level/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

