



Nuclear Power Fundamentals: Advanced Level

Energy, Power & Renewables

QGT-ENR-133 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Nuclear Power Fundamentals: Advanced Level is an advanced programme for experienced practitioners in Nuclear Power Fundamentals. 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 Nuclear Power Fundamentals
- 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
21 Feb – 4 Mar 2027	Amman	Classroom	10 days	\$9,900
1–5 Mar 2027	Frankfurt	Classroom	5 days	\$5,500
16–27 May 2027	Doha	Classroom	10 days	\$9,900
13–17 Sep 2027	Barcelona	Classroom	5 days	\$5,500
11–22 Oct 2027	Online (live)	Online (live)	10 days	\$5,500
15–26 May 2028	Cape Town	Classroom	10 days	\$9,900
31 Jul – 4 Aug 2028	Brussels	Classroom	5 days	\$5,500
14–25 Aug 2028	Prague	Classroom	10 days	\$9,900
11–15 Sep 2028	Madrid	Classroom	5 days	\$5,500
9–20 Oct 2028	Online (live)	Online (live)	10 days	\$5,500
12–23 Feb 2029	Singapore	Classroom	10 days	\$9,900
12–16 Mar 2029	Sharjah	Classroom	5 days	\$5,500
16–27 Jul 2029	Tunis	Classroom	10 days	\$9,900
10–14 Sep 2029	Athens	Classroom	5 days	\$5,500
22 Oct – 2 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
25 Feb – 8 Mar 2030	Abu Dhabi	Classroom	10 days	\$9,900
27–31 May 2030	Tunis	Classroom	5 days	\$5,500
12–23 Aug 2030	Lagos	Classroom	10 days	\$9,900
15–19 Sep 2030	Dammam	Classroom	5 days	\$5,500
2–13 Dec 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/nuclear-power-fundamentals-advanced-level/>

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