



Generator Operation & Protection: Advanced Level

Electrical Engineering

QGT-ELE-139 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Generator Operation & Protection: Advanced Level is an advanced programme for experienced practitioners in Generator Operation & Protection. It covers the principles, the requirements of IEC, IEEE and NFPA 70/70E, 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 Generator Operation & Protection
- Apply the relevant requirements of IEC, IEEE and NFPA 70/70E
- 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 electrical engineers, technicians, supervisors and authorised persons with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in IEC, IEEE and NFPA 70/70E

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	Kigali	Classroom	10 days	\$9,900
28 Mar – 1 Apr 2027	Doha	Classroom	5 days	\$5,500
12–23 Apr 2027	Nairobi	Classroom	10 days	\$9,900
7–11 Jun 2027	Dubai	Classroom	5 days	\$5,500
29 Nov – 10 Dec 2027	Online (live)	Online (live)	10 days	\$5,500
28 Feb – 10 Mar 2028	Vienna	Classroom	10 days	\$9,900
10–14 Jul 2028	Milan	Classroom	5 days	\$5,500
24 Jul – 4 Aug 2028	Casablanca	Classroom	10 days	\$9,900
14–18 Aug 2028	Madrid	Classroom	5 days	\$5,500
2–13 Oct 2028	Online (live)	Online (live)	10 days	\$5,500
15–26 Jan 2029	Berlin	Classroom	10 days	\$9,900
22–26 Jan 2029	Manchester	Classroom	5 days	\$5,500
2–13 Jul 2029	Madrid	Classroom	10 days	\$9,900
23–27 Jul 2029	Brussels	Classroom	5 days	\$5,500
10–21 Sep 2029	Online (live)	Online (live)	10 days	\$5,500
11–22 Mar 2030	Edinburgh	Classroom	10 days	\$9,900
14–18 Apr 2030	Al Khobar	Classroom	5 days	\$5,500
15–26 Jul 2030	Frankfurt	Classroom	10 days	\$9,900
26–30 Aug 2030	Budapest	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/generator-operation-and-protection-advanced-level/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

