



Generator Operation & Protection: Practical Workshop

Electrical Engineering

QGT-ELE-161 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Generator Operation & Protection: Practical Workshop is a hands-on workshop built around exercises and real site problems 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
- Use practical tools, checklists and calculations with confidence
- 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 who want practice rather than theory.

Course outline (5 days)

Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

Day 3: Guided practice 2

Simulations and role-play based on Generator Operation & Protection scenarios

Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

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
21–25 Mar 2027	Doha	Classroom	5 days	\$5,500
9–20 Aug 2027	Geneva	Classroom	10 days	\$9,900
13–17 Sep 2027	Edinburgh	Classroom	5 days	\$5,500
18–29 Oct 2027	Johannesburg	Classroom	10 days	\$9,900
29 Nov – 3 Dec 2027	Online (live)	Online (live)	5 days	\$3,000
13–17 Mar 2028	Baku	Classroom	5 days	\$5,500
23 Apr – 4 May 2028	Algiers	Classroom	10 days	\$9,900
4–8 Sep 2028	Toronto	Classroom	5 days	\$5,500
10–21 Sep 2028	Jeddah	Classroom	10 days	\$9,900
25–29 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
5–9 Feb 2029	Prague	Classroom	5 days	\$5,500
19–30 Mar 2029	Madrid	Classroom	10 days	\$9,900
27–31 May 2029	Amman	Classroom	5 days	\$5,500
4–15 Jun 2029	Singapore	Classroom	10 days	\$9,900
9–13 Jul 2029	Online (live)	Online (live)	5 days	\$3,000
7–11 Jan 2030	Cape Town	Classroom	5 days	\$5,500
25 Feb – 8 Mar 2030	Nairobi	Classroom	10 days	\$9,900
8–12 Apr 2030	Madrid	Classroom	5 days	\$5,500
29 Apr – 10 May 2030	Zurich	Classroom	10 days	\$9,900
5–9 Aug 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/generator-operation-and-protection-practical-workshop/>

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