



Power System Protection & Relaying: Practical Workshop

Electrical Engineering

QGT-ELE-146 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Power System Protection & Relaying: Practical Workshop is a hands-on workshop built around exercises and real site problems in Power System Protection & Relaying. 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 Power System Protection & Relaying
- 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 Power System Protection & Relaying 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
17–21 Jan 2027	Muscat	Classroom	5 days	\$5,500
25 Jan – 5 Feb 2027	Cape Town	Classroom	10 days	\$9,900
28 Feb – 4 Mar 2027	Doha	Classroom	5 days	\$5,500
29 Mar – 9 Apr 2027	Nairobi	Classroom	10 days	\$9,900
18–22 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
28 Feb – 3 Mar 2028	Istanbul	Classroom	5 days	\$5,500
8–19 May 2028	Frankfurt	Classroom	10 days	\$9,900
29 May – 2 Jun 2028	Manchester	Classroom	5 days	\$5,500
12–23 Jun 2028	Edinburgh	Classroom	10 days	\$9,900
21–25 Aug 2028	Online (live)	Online (live)	5 days	\$3,000
2–6 Apr 2029	Barcelona	Classroom	5 days	\$5,500
11–22 Jun 2029	London	Classroom	10 days	\$9,900
24–28 Sep 2029	Accra	Classroom	5 days	\$5,500
29 Oct – 9 Nov 2029	Luanda	Classroom	10 days	\$9,900
12–16 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
13–17 Jan 2030	Dammam	Classroom	5 days	\$5,500
8–19 Apr 2030	Manchester	Classroom	10 days	\$9,900
6–10 May 2030	Frankfurt	Classroom	5 days	\$5,500
25 Aug – 5 Sep 2030	Al Khobar	Classroom	10 days	\$9,900
16–20 Sep 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/power-system-protection-and-relaying-practical-workshop/>

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