



Power Quality & Harmonics: Practical Workshop

Electrical Engineering

QGT-ELE-154 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Power Quality & Harmonics: Practical Workshop is a hands-on workshop built around exercises and real site problems in Power Quality & Harmonics. 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 Quality & Harmonics
- 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 Quality & Harmonics 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
11–15 Jan 2027	Barcelona	Classroom	5 days	\$5,500
2–13 May 2027	Cairo	Classroom	10 days	\$9,900
17–21 May 2027	Nairobi	Classroom	5 days	\$5,500
31 May – 11 Jun 2027	Accra	Classroom	10 days	\$9,900
15–19 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
13–17 Feb 2028	Riyadh	Classroom	5 days	\$5,500
25 Jun – 6 Jul 2028	Muscat	Classroom	10 days	\$9,900
8–12 Oct 2028	Dammam	Classroom	5 days	\$5,500
16–27 Oct 2028	Zurich	Classroom	10 days	\$9,900
4–8 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
19–23 Mar 2029	Singapore	Classroom	5 days	\$5,500
18–29 Jun 2029	Tbilisi	Classroom	10 days	\$9,900
20–24 Aug 2029	Frankfurt	Classroom	5 days	\$5,500
3–14 Sep 2029	Dublin	Classroom	10 days	\$9,900
3–7 Dec 2029	Online (live)	Online (live)	5 days	\$3,000
15–19 Apr 2030	Frankfurt	Classroom	5 days	\$5,500
10–21 Jun 2030	Kigali	Classroom	10 days	\$9,900
16–20 Jun 2030	Sharm El Sheikh	Classroom	5 days	\$5,500
9–20 Sep 2030	Bangkok	Classroom	10 days	\$9,900
7–11 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/power-quality-and-harmonics-practical-workshop/>

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