



Smart Grids & Digital Substations Masterclass

Electrical Engineering

QGT-ELE-186 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Smart Grids & Digital Substations Masterclass is a senior-level masterclass on strategy and performance in Smart Grids & Digital Substations. 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 Smart Grids & Digital Substations
- 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
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for electrical engineers, technicians, supervisors and authorised persons in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Smart Grids & Digital Substations

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

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
10–14 Jan 2027	Muscat	Classroom	5 days	\$5,500
29 Mar – 9 Apr 2027	Stockholm	Classroom	10 days	\$9,900
21–25 Jun 2027	Milan	Classroom	5 days	\$5,500
4–15 Oct 2027	Athens	Classroom	10 days	\$9,900
18–22 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
28 Feb – 3 Mar 2028	Nairobi	Classroom	5 days	\$5,500
12–23 Mar 2028	Algiers	Classroom	10 days	\$9,900
16–20 Jul 2028	Manama	Classroom	5 days	\$5,500
20–31 Aug 2028	Cairo	Classroom	10 days	\$9,900
25–29 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
19–23 Feb 2029	Cape Town	Classroom	5 days	\$5,500
19–30 Mar 2029	Bangkok	Classroom	10 days	\$9,900
11–15 Jun 2029	Frankfurt	Classroom	5 days	\$5,500
18–29 Jun 2029	Tbilisi	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
18–22 Feb 2030	Budapest	Classroom	5 days	\$5,500
8–19 Apr 2030	Madrid	Classroom	10 days	\$9,900
15–19 Apr 2030	Prague	Classroom	5 days	\$5,500
7–18 Oct 2030	Abu Dhabi	Classroom	10 days	\$9,900
18–22 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/smart-grids-and-digital-substations-masterclass/>

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