



Substation Design & Maintenance Masterclass

Electrical Engineering

QGT-ELE-177 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Substation Design & Maintenance Masterclass is a senior-level masterclass on strategy and performance in Substation Design & Maintenance. 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 Substation Design & Maintenance
- 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 Substation Design & Maintenance

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
11–15 Jan 2027	Abu Dhabi	Classroom	5 days	\$5,500
22 Feb – 5 Mar 2027	Milan	Classroom	10 days	\$9,900
29 Mar – 2 Apr 2027	Vienna	Classroom	5 days	\$5,500
18–29 Oct 2027	Dubai	Classroom	10 days	\$9,900
15–19 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
24–28 Apr 2028	Dubai	Classroom	5 days	\$5,500
22 May – 2 Jun 2028	Tbilisi	Classroom	10 days	\$9,900
12–16 Jun 2028	Edinburgh	Classroom	5 days	\$5,500
9–20 Oct 2028	Beirut	Classroom	10 days	\$9,900
30 Oct – 3 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
22–26 Jan 2029	Accra	Classroom	5 days	\$5,500
26 Mar – 6 Apr 2029	Barcelona	Classroom	10 days	\$9,900
22–26 Oct 2029	Munich	Classroom	5 days	\$5,500
12–23 Nov 2029	Berlin	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
27–31 Jan 2030	Doha	Classroom	5 days	\$5,500
23 Jun – 4 Jul 2030	Dammam	Classroom	10 days	\$9,900
8–12 Jul 2030	Accra	Classroom	5 days	\$5,500
7–18 Oct 2030	Abu Dhabi	Classroom	10 days	\$9,900
2–6 Dec 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/substation-design-and-maintenance-masterclass/>

WhatsApp: +971 50 697 0908

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