



# Generator Operation & Protection Masterclass

## Electrical Engineering

QGT-ELE-183 | Masterclass | 5 or 10 days | Online, classroom, in-house

### Course overview

Generator Operation & Protection Masterclass is a senior-level masterclass on strategy and performance 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
- 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 Generator Operation & Protection

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     |
|----------------------|---------------|---------------|----------|---------|
| 25–29 Jan 2027       | Nairobi       | Classroom     | 5 days   | \$5,500 |
| 7–18 Feb 2027        | Riyadh        | Classroom     | 10 days  | \$9,900 |
| 18–22 Apr 2027       | Doha          | Classroom     | 5 days   | \$5,500 |
| 30 May – 10 Jun 2027 | Alexandria    | Classroom     | 10 days  | \$9,900 |
| 23–27 Aug 2027       | Online (live) | Online (live) | 5 days   | \$3,000 |
| 14–18 Feb 2028       | Lisbon        | Classroom     | 5 days   | \$5,500 |
| 27 Mar – 7 Apr 2028  | Istanbul      | Classroom     | 10 days  | \$9,900 |
| 10–14 Apr 2028       | Brussels      | Classroom     | 5 days   | \$5,500 |
| 7–18 May 2028        | Algiers       | Classroom     | 10 days  | \$9,900 |
| 23–27 Oct 2028       | Online (live) | Online (live) | 5 days   | \$3,000 |
| 22–26 Jan 2029       | Vienna        | Classroom     | 5 days   | \$5,500 |
| 4–15 Mar 2029        | Muscat        | Classroom     | 10 days  | \$9,900 |
| 8–12 Apr 2029        | Erbil         | Classroom     | 5 days   | \$5,500 |
| 11–22 Jun 2029       | Baku          | Classroom     | 10 days  | \$9,900 |
| 12–16 Nov 2029       | Online (live) | Online (live) | 5 days   | \$3,000 |
| 7–11 Jan 2030        | Accra         | Classroom     | 5 days   | \$5,500 |
| 18 Feb – 1 Mar 2030  | Manchester    | Classroom     | 10 days  | \$9,900 |
| 24–28 Jun 2030       | Sharjah       | Classroom     | 5 days   | \$5,500 |
| 15–26 Jul 2030       | London        | Classroom     | 10 days  | \$9,900 |
| 25–29 Nov 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-masterclass/>

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