



# Electrical Power Systems Fundamentals Masterclass

## Electrical Engineering

QGT-ELE-167 | Masterclass | 5 or 10 days | Online, classroom, in-house

### Course overview

Electrical Power Systems Fundamentals Masterclass is a senior-level masterclass on strategy and performance in Electrical Power Systems Fundamentals. 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 Electrical Power Systems Fundamentals
- 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 Electrical Power Systems Fundamentals

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     |
|----------------------|---------------|---------------|----------|---------|
| 1–5 Feb 2027         | Toronto       | Classroom     | 5 days   | \$5,500 |
| 14–25 Mar 2027       | Muscat        | Classroom     | 10 days  | \$9,900 |
| 18–22 Apr 2027       | Kuwait City   | Classroom     | 5 days   | \$5,500 |
| 12–23 Jul 2027       | Istanbul      | Classroom     | 10 days  | \$9,900 |
| 20–24 Sep 2027       | Online (live) | Online (live) | 5 days   | \$3,000 |
| 8–12 May 2028        | Tbilisi       | Classroom     | 5 days   | \$5,500 |
| 30 Jul – 10 Aug 2028 | Salalah       | Classroom     | 10 days  | \$9,900 |
| 20–24 Aug 2028       | Doha          | Classroom     | 5 days   | \$5,500 |
| 18–29 Sep 2028       | Dubai         | Classroom     | 10 days  | \$9,900 |
| 6–10 Nov 2028        | Online (live) | Online (live) | 5 days   | \$3,000 |
| 14–18 Jan 2029       | Muscat        | Classroom     | 5 days   | \$5,500 |
| 29 Jan – 9 Feb 2029  | Prague        | Classroom     | 10 days  | \$9,900 |
| 28 May – 1 Jun 2029  | Manchester    | Classroom     | 5 days   | \$5,500 |
| 8–19 Oct 2029        | Dubai         | Classroom     | 10 days  | \$9,900 |
| 15–19 Oct 2029       | Online (live) | Online (live) | 5 days   | \$3,000 |
| 14–18 Jan 2030       | Johannesburg  | Classroom     | 5 days   | \$5,500 |
| 27 Jan – 7 Feb 2030  | Algiers       | Classroom     | 10 days  | \$9,900 |
| 6–10 May 2030        | Baku          | Classroom     | 5 days   | \$5,500 |
| 24 Jun – 5 Jul 2030  | Manchester    | 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/electrical-power-systems-fundamentals-masterclass/>

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