



Electric Motors & Drives: Advanced Level

Electrical Engineering

QGT-ELE-127 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Electric Motors & Drives: Advanced Level is an advanced programme for experienced practitioners in Electric Motors & Drives. 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 Electric Motors & Drives
- Apply the relevant requirements of IEC, IEEE and NFPA 70/70E
- Apply advanced analysis methods to real operating data
- 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 with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in IEC, IEEE and NFPA 70/70E

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

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
31 Jan – 11 Feb 2027	Alexandria	Classroom	10 days	\$9,900
29 Mar – 2 Apr 2027	Paris	Classroom	5 days	\$5,500
10–21 May 2027	Toronto	Classroom	10 days	\$9,900
15–19 Aug 2027	Al Khobar	Classroom	5 days	\$5,500
11–22 Oct 2027	Online (live)	Online (live)	10 days	\$5,500
31 Jan – 11 Feb 2028	Johannesburg	Classroom	10 days	\$9,900
28 Feb – 3 Mar 2028	Barcelona	Classroom	5 days	\$5,500
16–27 Apr 2028	Doha	Classroom	10 days	\$9,900
16–20 Oct 2028	Dublin	Classroom	5 days	\$5,500
27 Nov – 8 Dec 2028	Online (live)	Online (live)	10 days	\$5,500
23 Apr – 4 May 2029	Geneva	Classroom	10 days	\$9,900
30 Apr – 4 May 2029	Houston	Classroom	5 days	\$5,500
24 Sep – 5 Oct 2029	Dubai	Classroom	10 days	\$9,900
29 Oct – 2 Nov 2029	Baku	Classroom	5 days	\$5,500
26 Nov – 7 Dec 2029	Online (live)	Online (live)	10 days	\$5,500
10–21 Mar 2030	Riyadh	Classroom	10 days	\$9,900
25–29 Mar 2030	Nairobi	Classroom	5 days	\$5,500
4–15 Aug 2030	Alexandria	Classroom	10 days	\$9,900
21–25 Oct 2030	Stockholm	Classroom	5 days	\$5,500
4–15 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/electric-motors-and-drives-advanced-level/>

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