



Variable Frequency Drives (VFD): Advanced Level

Electrical Engineering

QGT-ELE-128 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Variable Frequency Drives (VFD): Advanced Level is an advanced programme for experienced practitioners in Variable Frequency Drives (VFD). 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 Variable Frequency Drives (VFD)
- 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
25 Jan – 5 Feb 2027	Amsterdam	Classroom	10 days	\$9,900
1–5 Mar 2027	Accra	Classroom	5 days	\$5,500
19–30 Jul 2027	Tbilisi	Classroom	10 days	\$9,900
17–21 Oct 2027	Cairo	Classroom	5 days	\$5,500
1–12 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
19–30 Mar 2028	Doha	Classroom	10 days	\$9,900
4–8 Sep 2028	Kigali	Classroom	5 days	\$5,500
17–28 Sep 2028	Manama	Classroom	10 days	\$9,900
25–29 Sep 2028	Singapore	Classroom	5 days	\$5,500
30 Oct – 10 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
2–13 Apr 2029	Munich	Classroom	10 days	\$9,900
9–13 Apr 2029	Prague	Classroom	5 days	\$5,500
16–27 Apr 2029	Nairobi	Classroom	10 days	\$9,900
8–12 Jul 2029	Al Khobar	Classroom	5 days	\$5,500
22 Oct – 2 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
4–15 Feb 2030	Copenhagen	Classroom	10 days	\$9,900
3–7 Mar 2030	Sharm El Sheikh	Classroom	5 days	\$5,500
5–16 May 2030	Muscat	Classroom	10 days	\$9,900
29 Jul – 2 Aug 2030	Singapore	Classroom	5 days	\$5,500
21 Oct – 1 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/variable-frequency-drives-vfd-advanced-level/>

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