Elevora
Global Training

COURSE BROCHURE

Variable Speed Drives and Motors

Electrical & Instrumentation

Code	Duration	Formats	Language	Certificate
EI-106	**5 or 10 days**	**Classroom, live online, in-house, blended**	**English or Arabic**	**Certificate of completion**

A practical electrical and instrumentation course covering motor types and characteristics, VSD principles and selection and application. Run as a 5-day core or 10-day extended programme, in 16 cities, live online or in-house, and fully customisable for your team.

About this course

Variable Speed Drives and Motors gives delegates a structured, practical understanding of motor types and characteristics and VSD principles, then builds the skills to apply selection and application, energy savings and troubleshooting in real work. Sessions are led by practitioners with at least 15 years in the field.

What you will learn

- Motor types and characteristics
- VSD principles
- Selection and application
- Energy savings
- Troubleshooting

Who should attend

Electrical, instrumentation and control engineers, technicians and supervisors.

5-day course outline

Day 1	**Motor types and characteristics**	Concepts, standards and terminology, with a diagnostic exercise to baseline the group.
Day 2	**VSD principles**	Methods and tools explained step by step, with worked examples from real operations.
Day 3	**Selection and application**	Hands-on practice in small groups using realistic data, cases and templates.
Day 4	**Energy savings**	Case studies of successes and failures, and how to apply the lessons in your organisation.
Day 5	**Troubleshooting**	Integration exercise, final knowledge check and a personal action plan.

10-day extended programme

Includes the full 5-day outline, plus a second week of applied work:

Day 6	**Applied workshop: Motor types and characteristics** — Deeper practice with your own data or site examples.
Day 7	**Applied workshop: VSD principles and selection and application** — Group exercises that combine methods from week one.
Day 8	**Field case study: Energy savings** — A detailed industry case worked through from start to finish.
Day 9	**Advanced practice: Troubleshooting** — Tools, templates and checklists to take back to work.
Day 10	**Assessed project and presentation** — Each delegate presents an improvement plan and completes the final assessment.

Upcoming classroom dates

More dates, cities and live online sessions on request.

Dates	City	Length	Fee per delegate
8 Nov 2026 to 12 Nov 2026	Cairo	5 days	**$2,450**
7 Dec 2026 to 11 Dec 2026	Dubai	5 days	**$2,450**
18 Jan 2027 to 22 Jan 2027	Barcelona	5 days	**$3,450**
8 Feb 2027 to 12 Feb 2027	Kuala Lumpur	5 days	**$2,450**
15 Mar 2027 to 19 Mar 2027	Amsterdam	5 days	**$3,450**

Fees per delegate (2026 to 2027)

Format	5 days	10 days
Classroom: Dubai, Istanbul, Cairo, Kuala Lumpur	**$2,450**	**$4,450**
Classroom: London, Europe, Singapore	**$3,450**	**$6,250**
Live online	**$1,450**	**$2,650**
In-house, group of up to 15	**From $12,900**	**From $23,500**

Classroom fees include tuition, materials, lunch and refreshments, and a certificate. 10% group saving for 3 delegates, 15% for 5 or more.

Tailored to your team

Change the level, language, length (1 to 20 days) and format, add topics from other courses or entirely new topics, and include your own case studies, site visits or exam preparation. Build it online for an instant indicative fee.

Register or request an in-house proposal

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