Elevora
Global Training

COURSE BROCHURE

Industrial Control Systems (PLC and DCS)

Electrical & Instrumentation

Most demanded

Code	Duration	Formats	Language	Certificate
EI-102	5 or 10 days	Classroom, live online, in-house, blended	English or Arabic	Certificate of completion

A practical electrical and instrumentation course covering PLC architecture and programming, DCS structure and configuration and networks and communication. 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

Industrial Control Systems (PLC and DCS) gives delegates a structured, practical understanding of PLC architecture and programming and DCS structure and configuration, then builds the skills to apply networks and communication, alarm management and troubleshooting in real work. Sessions are led by practitioners with at least 15 years in the field.

What you will learn

- PLC architecture and programming
- DCS structure and configuration
- Networks and communication
- Alarm management
- Troubleshooting

Who should attend

Electrical, instrumentation and control engineers, technicians and supervisors.

5-day course outline

Day 1	**PLC architecture and programming**	Concepts, standards and terminology, with a diagnostic exercise to baseline the group.
Day 2	**DCS structure and configuration**	Methods and tools explained step by step, with worked examples from real operations.
Day 3	**Networks and communication**	Hands-on practice in small groups using realistic data, cases and templates.
Day 4	**Alarm management**	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: PLC architecture and programming** — Deeper practice with your own data or site examples.
Day 7	**Applied workshop: DCS structure and configuration and networks and communication** — Group exercises that combine methods from week one.
Day 8	**Field case study: Alarm management** — 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
15 Nov 2026 to 26 Nov 2026	Cairo	10 days	**$4,450**
21 Dec 2026 to 25 Dec 2026	Dubai	5 days	**$2,450**
11 Jan 2027 to 22 Jan 2027	Dubai	10 days	**$4,450**
1 Feb 2027 to 12 Feb 2027	Istanbul	10 days	**$4,450**
7 Mar 2027 to 11 Mar 2027	Riyadh	5 days	**$2,450**

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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