Elevora
Global Training

COURSE BROCHURE

Smart Grids and Grid Integration of Renewables

Renewable Energy & Power Transition

Rising demand 2028

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

A practical renewable energy and power transition course covering smart grid architecture and components, variable renewables and grid stability and forecasting and demand response. 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

Smart Grids and Grid Integration of Renewables gives delegates a structured, practical understanding of smart grid architecture and components and variable renewables and grid stability, then builds the skills to apply forecasting and demand response, grid codes and connection studies and digital substations and control in real work. Sessions are led by practitioners with at least 15 years in the field.

What you will learn

- Smart grid architecture and components
- Variable renewables and grid stability
- Forecasting and demand response
- Grid codes and connection studies
- Digital substations and control

Who should attend

Power, electrical and mechanical engineers, project developers, asset managers and energy planners moving into low-carbon energy.

5-day course outline

Day 1	**Smart grid architecture and components**	Concepts, standards and terminology, with a diagnostic exercise to baseline the group.
Day 2	**Variable renewables and grid stability**	Methods and tools explained step by step, with worked examples from real operations.
Day 3	**Forecasting and demand response**	Hands-on practice in small groups using realistic data, cases and templates.
Day 4	**Grid codes and connection studies**	Case studies of successes and failures, and how to apply the lessons in your organisation.
Day 5	**Digital substations and control**	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: Smart grid architecture and components** — Deeper practice with your own data or site examples.
Day 7	**Applied workshop: Variable renewables and grid stability and forecasting and demand response** — Group exercises that combine methods from week one.
Day 8	**Field case study: Grid codes and connection studies** — A detailed industry case worked through from start to finish.
Day 9	**Advanced practice: Digital substations and control** — 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
16 Nov 2026 to 20 Nov 2026	London	5 days	**$3,450**
14 Dec 2026 to 25 Dec 2026	Kuala Lumpur	10 days	**$4,450**
11 Jan 2027 to 22 Jan 2027	Barcelona	10 days	**$6,250**
15 Feb 2027 to 19 Feb 2027	London	5 days	**$3,450**
8 Mar 2027 to 12 Mar 2027	Dubai	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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