Elevora
Global Training

COURSE BROCHURE

Solar PV Plant Design and O&M

Renewable Energy & Power Transition

Most demanded | Rising demand 2027

Code	Duration	Formats	Language	Certificate
RE-101	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 solar resource assessment and PV technology, PV plant layout and yield estimation and inverters, protection and grid connection. 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

Solar PV Plant Design and O&M gives delegates a structured, practical understanding of solar resource assessment and PV technology and PV plant layout and yield estimation, then builds the skills to apply inverters, protection and grid connection, operation, monitoring and performance ratio and preventive and corrective maintenance in real work. Sessions are led by practitioners with at least 15 years in the field.

What you will learn

- Solar resource assessment and PV technology
- PV plant layout and yield estimation
- Inverters, protection and grid connection
- Operation, monitoring and performance ratio
- Preventive and corrective maintenance

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	**Solar resource assessment and PV technology**	Concepts, standards and terminology, with a diagnostic exercise to baseline the group.
Day 2	**PV plant layout and yield estimation**	Methods and tools explained step by step, with worked examples from real operations.
Day 3	**Inverters, protection and grid connection**	Hands-on practice in small groups using realistic data, cases and templates.
Day 4	**Operation, monitoring and performance ratio**	Case studies of successes and failures, and how to apply the lessons in your organisation.
Day 5	**Preventive and corrective maintenance**	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: Solar resource assessment and PV technology** — Deeper practice with your own data or site examples.
Day 7	**Applied workshop: PV plant layout and yield estimation and inverters, protection and grid connection** — Group exercises that combine methods from week one.
Day 8	**Field case study: Operation, monitoring and performance ratio** — A detailed industry case worked through from start to finish.
Day 9	**Advanced practice: Preventive and corrective maintenance** — 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
9 Nov 2026 to 13 Nov 2026	Istanbul	5 days	**$2,450**
13 Dec 2026 to 17 Dec 2026	Cairo	5 days	**$2,450**
4 Jan 2027 to 8 Jan 2027	London	5 days	**$3,450**
14 Feb 2027 to 18 Feb 2027	Riyadh	5 days	**$2,450**
8 Mar 2027 to 19 Mar 2027	Istanbul	10 days	**$4,450**

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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