



Solar PV Systems Design & Installation

Energy, Power & Renewables

QGT-ENR-103 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Solar PV Systems Design & Installation is an introduction that builds a solid working knowledge in Solar PV Systems Design & Installation. It covers the principles, the requirements of IEC, ISO 50001, GHG Protocol and IEA guidance, 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 Solar PV Systems Design & Installation
- Apply the relevant requirements of IEC, ISO 50001, GHG Protocol and IEA guidance
- Use practical tools, checklists and calculations with confidence
- 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 power plant staff, energy managers, sustainability teams and engineers, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how Solar PV Systems Design & Installation fits into daily operations

Day 2: Codes, standards and requirements

What IEC, ISO 50001, GHG Protocol and IEA guidance require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

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
30 May – 3 Jun 2027	Alexandria	Classroom	5 days	\$5,500
5–16 Jul 2027	Bangkok	Classroom	10 days	\$9,900
16–20 Aug 2027	Edinburgh	Classroom	5 days	\$5,500
23 Aug – 3 Sep 2027	Casablanca	Classroom	10 days	\$9,900
13–17 Sep 2027	Online (live)	Online (live)	5 days	\$3,000
3–7 Apr 2028	Toronto	Classroom	5 days	\$5,500
17–28 Apr 2028	Nairobi	Classroom	10 days	\$9,900
17–21 Jul 2028	Frankfurt	Classroom	5 days	\$5,500
2–13 Oct 2028	Barcelona	Classroom	10 days	\$9,900
6–10 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
9–13 Apr 2029	Baku	Classroom	5 days	\$5,500
14–25 May 2029	Singapore	Classroom	10 days	\$9,900
24–28 Sep 2029	Lisbon	Classroom	5 days	\$5,500
1–12 Oct 2029	Tbilisi	Classroom	10 days	\$9,900
5–9 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
28 Jan – 1 Feb 2030	Berlin	Classroom	5 days	\$5,500
17–28 Feb 2030	Kuwait City	Classroom	10 days	\$9,900
20–24 May 2030	Beirut	Classroom	5 days	\$5,500
18–29 Nov 2030	Luanda	Classroom	10 days	\$9,900
2–6 Dec 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/solar-pv-systems-design-and-installation/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

