



Solar PV Systems Design & Installation: Advanced Level

Energy, Power & Renewables

QGT-ENR-123 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Solar PV Systems Design & Installation: Advanced Level is an advanced programme for experienced practitioners 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
- Apply advanced analysis methods to real operating data
- 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 with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in IEC, ISO 50001, GHG Protocol and IEA guidance

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

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
5–16 Apr 2027	Barcelona	Classroom	10 days	\$9,900
19–23 Apr 2027	Nairobi	Classroom	5 days	\$5,500
21 Jun – 2 Jul 2027	Toronto	Classroom	10 days	\$9,900
18–22 Oct 2027	Milan	Classroom	5 days	\$5,500
15–26 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
7–18 Feb 2028	Edinburgh	Classroom	10 days	\$9,900
27–31 Mar 2028	Manchester	Classroom	5 days	\$5,500
17–28 Jul 2028	Abu Dhabi	Classroom	10 days	\$9,900
20–24 Aug 2028	Muscat	Classroom	5 days	\$5,500
4–15 Sep 2028	Online (live)	Online (live)	10 days	\$5,500
12–23 Mar 2029	Dubai	Classroom	10 days	\$9,900
30 Apr – 4 May 2029	Vienna	Classroom	5 days	\$5,500
10–21 Jun 2029	Amman	Classroom	10 days	\$9,900
17–21 Sep 2029	Barcelona	Classroom	5 days	\$5,500
19–30 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
17–28 Feb 2030	Riyadh	Classroom	10 days	\$9,900
11–15 Mar 2030	Baku	Classroom	5 days	\$5,500
18–29 Mar 2030	Bangkok	Classroom	10 days	\$9,900
10–14 Jun 2030	Kuala Lumpur	Classroom	5 days	\$5,500
19–30 Aug 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

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

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