



Infrared Thermography for Electrical Systems: Practical Workshop

Electrical Engineering

QGT-ELE-166 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Infrared Thermography for Electrical Systems: Practical Workshop is a hands-on workshop built around exercises and real site problems in Infrared Thermography for Electrical Systems. It covers the principles, the requirements of IEC, IEEE and NFPA 70/70E, 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 Infrared Thermography for Electrical Systems
- Apply the relevant requirements of IEC, IEEE and NFPA 70/70E
- 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 electrical engineers, technicians, supervisors and authorised persons who want practice rather than theory.

Course outline (5 days)

Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

Day 3: Guided practice 2

Simulations and role-play based on Infrared Thermography for Electrical Systems scenarios

Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

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
15–19 Feb 2027	Madrid	Classroom	5 days	\$5,500
19–30 Apr 2027	Berlin	Classroom	10 days	\$9,900
27 Jun – 1 Jul 2027	Sharm El Sheikh	Classroom	5 days	\$5,500
29 Aug – 9 Sep 2027	Alexandria	Classroom	10 days	\$9,900
13–17 Sep 2027	Online (live)	Online (live)	5 days	\$3,000
1–5 May 2028	Nairobi	Classroom	5 days	\$5,500
9–20 Jul 2028	Alexandria	Classroom	10 days	\$9,900
30 Oct – 3 Nov 2028	Accra	Classroom	5 days	\$5,500
27 Nov – 8 Dec 2028	Dublin	Classroom	10 days	\$9,900
4–8 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
25 Feb – 1 Mar 2029	Doha	Classroom	5 days	\$5,500
14–25 May 2029	London	Classroom	10 days	\$9,900
28 May – 1 Jun 2029	Dublin	Classroom	5 days	\$5,500
20–31 Aug 2029	Singapore	Classroom	10 days	\$9,900
22–26 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
14–18 Jan 2030	London	Classroom	5 days	\$5,500
18–29 Mar 2030	Johannesburg	Classroom	10 days	\$9,900
1–5 Apr 2030	Cape Town	Classroom	5 days	\$5,500
19–30 May 2030	Kuwait City	Classroom	10 days	\$9,900
5–9 Aug 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/infrared-thermography-for-electrical-systems-practical-workshop>

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