



Industrial Internet of Things (IIoT)

Instrumentation, Control & Automation

QGT-INS-119 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Industrial Internet of Things (IIoT) is an introduction that builds a solid working knowledge in Industrial Internet of Things (IIoT). It covers the principles, the requirements of ISA, IEC 61511, IEC 61508 and IEC 62443, 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 Industrial Internet of Things (IIoT)
- Apply the relevant requirements of ISA, IEC 61511, IEC 61508 and IEC 62443
- 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 instrument and control engineers, technicians and control room staff, 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 Industrial Internet of Things (IIoT) fits into daily operations

Day 2: Codes, standards and requirements

What ISA, IEC 61511, IEC 61508 and IEC 62443 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
31 Jan – 4 Feb 2027	Sharm El Sheikh	Classroom	5 days	\$5,500
19–30 Apr 2027	Amsterdam	Classroom	10 days	\$9,900
14–18 Jun 2027	Cape Town	Classroom	5 days	\$5,500
9–20 Aug 2027	Milan	Classroom	10 days	\$9,900
11–15 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
27–31 Mar 2028	Tunis	Classroom	5 days	\$5,500
3–14 Apr 2028	Nairobi	Classroom	10 days	\$9,900
8–12 May 2028	Istanbul	Classroom	5 days	\$5,500
14–25 Aug 2028	Kuala Lumpur	Classroom	10 days	\$9,900
9–13 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
26 Feb – 2 Mar 2029	Cape Town	Classroom	5 days	\$5,500
23 Apr – 4 May 2029	Beirut	Classroom	10 days	\$9,900
8–12 Oct 2029	Dubai	Classroom	5 days	\$5,500
29 Oct – 9 Nov 2029	Prague	Classroom	10 days	\$9,900
3–7 Dec 2029	Online (live)	Online (live)	5 days	\$3,000
4–8 Feb 2030	Tbilisi	Classroom	5 days	\$5,500
11–22 Feb 2030	Berlin	Classroom	10 days	\$9,900
13–17 May 2030	Accra	Classroom	5 days	\$5,500
2–13 Sep 2030	Beirut	Classroom	10 days	\$9,900
11–15 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/industrial-internet-of-things-iiot/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

