



Industrial Internet of Things (IIoT): Practical Workshop

Instrumentation, Control & Automation

QGT-INS-161 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Industrial Internet of Things (IIoT): Practical Workshop is a hands-on workshop built around exercises and real site problems 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 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 Industrial Internet of Things (IIoT) 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
17–21 May 2027	Lagos	Classroom	5 days	\$5,500
5–16 Jul 2027	Beirut	Classroom	10 days	\$9,900
30 Aug – 3 Sep 2027	Houston	Classroom	5 days	\$5,500
26 Sep – 7 Oct 2027	Jeddah	Classroom	10 days	\$9,900
11–15 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
10–14 Jan 2028	Barcelona	Classroom	5 days	\$5,500
13–24 Feb 2028	Muscat	Classroom	10 days	\$9,900
12–16 Mar 2028	Jeddah	Classroom	5 days	\$5,500
27 Aug – 7 Sep 2028	Erbil	Classroom	10 days	\$9,900
4–8 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
29 Jan – 2 Feb 2029	Sharjah	Classroom	5 days	\$5,500
26 Mar – 6 Apr 2029	Madrid	Classroom	10 days	\$9,900
23–27 Jul 2029	Zurich	Classroom	5 days	\$5,500
15–26 Oct 2029	Johannesburg	Classroom	10 days	\$9,900
22–26 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
6–10 Jan 2030	Salalah	Classroom	5 days	\$5,500
14–25 Jan 2030	Madrid	Classroom	10 days	\$9,900
18–22 Mar 2030	Vienna	Classroom	5 days	\$5,500
25 Mar – 5 Apr 2030	Luanda	Classroom	10 days	\$9,900
15–19 Jul 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-practical-workshop/>

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