



Distributed Control Systems (DCS): Practical Workshop

Instrumentation, Control & Automation

QGT-INS-146 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Distributed Control Systems (DCS): Practical Workshop is a hands-on workshop built around exercises and real site problems in Distributed Control Systems (DCS). 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 Distributed Control Systems (DCS)
- 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 Distributed Control Systems (DCS) 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
14–18 Feb 2027	Manama	Classroom	5 days	\$5,500
15–26 Mar 2027	Dubai	Classroom	10 days	\$9,900
12–16 Jul 2027	Dublin	Classroom	5 days	\$5,500
6–17 Sep 2027	Tunis	Classroom	10 days	\$9,900
29 Nov – 3 Dec 2027	Online (live)	Online (live)	5 days	\$3,000
17–21 Jan 2028	Abu Dhabi	Classroom	5 days	\$5,500
16–27 Apr 2028	Dammam	Classroom	10 days	\$9,900
4–8 Sep 2028	Accra	Classroom	5 days	\$5,500
23 Oct – 3 Nov 2028	Stockholm	Classroom	10 days	\$9,900
13–17 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
19–23 Feb 2029	Brussels	Classroom	5 days	\$5,500
18–29 Jun 2029	London	Classroom	10 days	\$9,900
30 Jul – 3 Aug 2029	Geneva	Classroom	5 days	\$5,500
6–17 Aug 2029	Accra	Classroom	10 days	\$9,900
8–12 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
11–15 Mar 2030	Budapest	Classroom	5 days	\$5,500
22 Apr – 3 May 2030	Athens	Classroom	10 days	\$9,900
19–23 May 2030	Dammam	Classroom	5 days	\$5,500
17–28 Jun 2030	Kigali	Classroom	10 days	\$9,900
22–26 Jul 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/distributed-control-systems-dcs-practical-workshop/>

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