



Instrumentation Drawings & P&IDs

Instrumentation, Control & Automation

QGT-INS-117 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Instrumentation Drawings & P&IDs is an introduction that builds a solid working knowledge in Instrumentation Drawings & P&IDs. 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 Instrumentation Drawings & P&IDs
- 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 Instrumentation Drawings & P&IDs 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
22–26 Mar 2027	Dublin	Classroom	5 days	\$5,500
18–29 Apr 2027	Erbil	Classroom	10 days	\$9,900
12–16 Jul 2027	Singapore	Classroom	5 days	\$5,500
29 Aug – 9 Sep 2027	Algiers	Classroom	10 days	\$9,900
11–15 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
5–9 Mar 2028	Kuwait City	Classroom	5 days	\$5,500
31 Jul – 11 Aug 2028	Abu Dhabi	Classroom	10 days	\$9,900
7–11 Aug 2028	Beirut	Classroom	5 days	\$5,500
25 Sep – 6 Oct 2028	Frankfurt	Classroom	10 days	\$9,900
6–10 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
30 Apr – 4 May 2029	Kigali	Classroom	5 days	\$5,500
21 May – 1 Jun 2029	Prague	Classroom	10 days	\$9,900
30 Jul – 3 Aug 2029	London	Classroom	5 days	\$5,500
24 Sep – 5 Oct 2029	Tunis	Classroom	10 days	\$9,900
5–9 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
8–12 Apr 2030	London	Classroom	5 days	\$5,500
15–26 Apr 2030	Frankfurt	Classroom	10 days	\$9,900
22–26 Apr 2030	Rome	Classroom	5 days	\$5,500
26 May – 6 Jun 2030	Alexandria	Classroom	10 days	\$9,900
29 Jul – 2 Aug 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/instrumentation-drawings-and-pandids/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

