



Robotics & Autonomous Inspection: Advanced Level

Future Skills

QGT-FUT-131 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Robotics & Autonomous Inspection: Advanced Level is an advanced programme for experienced practitioners in Robotics & Autonomous Inspection. It covers the principles, the requirements of ISO/IEC 42001, ISSB standards, IEC 62443 and leading industry practice, 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 Robotics & Autonomous Inspection
- Apply the relevant requirements of ISO/IEC 42001, ISSB standards, IEC 62443 and leading industry practice
- Apply advanced analysis methods to real operating data
- 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 professionals, managers and technical teams preparing for the technologies and jobs of 2030 with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in ISO/IEC 42001, ISSB standards, IEC 62443 and leading industry practice

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

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
11–22 Jan 2027	Kuala Lumpur	Classroom	10 days	\$9,900
22–26 Mar 2027	Marrakech	Classroom	5 days	\$5,500
25 Apr – 6 May 2027	Erbil	Classroom	10 days	\$9,900
19–23 Sep 2027	Riyadh	Classroom	5 days	\$5,500
1–12 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
17–28 Jan 2028	Munich	Classroom	10 days	\$9,900
13–17 Mar 2028	Casablanca	Classroom	5 days	\$5,500
7–18 May 2028	Muscat	Classroom	10 days	\$9,900
3–7 Jul 2028	Lagos	Classroom	5 days	\$5,500
27 Nov – 8 Dec 2028	Online (live)	Online (live)	10 days	\$5,500
26 Feb – 9 Mar 2029	Accra	Classroom	10 days	\$9,900
5–9 Mar 2029	Edinburgh	Classroom	5 days	\$5,500
26 Mar – 6 Apr 2029	Abu Dhabi	Classroom	10 days	\$9,900
6–10 Aug 2029	London	Classroom	5 days	\$5,500
27 Aug – 7 Sep 2029	Online (live)	Online (live)	10 days	\$5,500
20–31 Jan 2030	Sharm El Sheikh	Classroom	10 days	\$9,900
11–15 Feb 2030	Abu Dhabi	Classroom	5 days	\$5,500
18 Feb – 1 Mar 2030	Houston	Classroom	10 days	\$9,900
14–18 Apr 2030	Dammam	Classroom	5 days	\$5,500
5–16 Aug 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/robotics-and-autonomous-inspection-advanced-level/>

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