



Technical Integrity & Barrier Management: Advanced Level

Inspection & Asset Integrity

QGT-INT-143 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Technical Integrity & Barrier Management: Advanced Level is an advanced programme for experienced practitioners in Technical Integrity & Barrier Management. It covers the principles, the requirements of API 510/570/653/579/580/581 and ASME codes, 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 Technical Integrity & Barrier Management
- Apply the relevant requirements of API 510/570/653/579/580/581 and ASME codes
- 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 inspectors, integrity engineers, QA/QC staff and asset owners with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in API 510/570/653/579/580/581 and ASME codes

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
3–14 May 2027	Copenhagen	Classroom	10 days	\$9,900
14–18 Jun 2027	Lisbon	Classroom	5 days	\$5,500
26 Jul – 6 Aug 2027	Prague	Classroom	10 days	\$9,900
27 Sep – 1 Oct 2027	Istanbul	Classroom	5 days	\$5,500
1–12 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
17–28 Jan 2028	Tunis	Classroom	10 days	\$9,900
21–25 Feb 2028	Tbilisi	Classroom	5 days	\$5,500
12–23 Jun 2028	Frankfurt	Classroom	10 days	\$9,900
3–7 Jul 2028	Dublin	Classroom	5 days	\$5,500
18–29 Sep 2028	Online (live)	Online (live)	10 days	\$5,500
15–26 Apr 2029	Muscat	Classroom	10 days	\$9,900
21–25 May 2029	Manchester	Classroom	5 days	\$5,500
1–12 Jul 2029	Algiers	Classroom	10 days	\$9,900
20–24 Aug 2029	Accra	Classroom	5 days	\$5,500
24 Sep – 5 Oct 2029	Online (live)	Online (live)	10 days	\$5,500
14–25 Jan 2030	Accra	Classroom	10 days	\$9,900
1–5 Apr 2030	Edinburgh	Classroom	5 days	\$5,500
3–14 Jun 2030	Baku	Classroom	10 days	\$9,900
1–5 Jul 2030	Sharjah	Classroom	5 days	\$5,500
19–30 Aug 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/technical-integrity-and-barrier-management-advanced-level>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

