



Mechanical Integrity Programs: Advanced Level

Inspection & Asset Integrity

QGT-INT-132 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Mechanical Integrity Programs: Advanced Level is an advanced programme for experienced practitioners in Mechanical Integrity Programs. 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 Mechanical Integrity Programs
- 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
8–19 Mar 2027	Toronto	Classroom	10 days	\$9,900
5–9 Jul 2027	Cape Town	Classroom	5 days	\$5,500
18–29 Oct 2027	Johannesburg	Classroom	10 days	\$9,900
25–29 Oct 2027	Madrid	Classroom	5 days	\$5,500
15–26 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
10–21 Jan 2028	Johannesburg	Classroom	10 days	\$9,900
17–21 Apr 2028	Paris	Classroom	5 days	\$5,500
15–26 May 2028	Baku	Classroom	10 days	\$9,900
5–9 Jun 2028	Sharjah	Classroom	5 days	\$5,500
26 Jun – 7 Jul 2028	Online (live)	Online (live)	10 days	\$5,500
29 Jan – 9 Feb 2029	Lagos	Classroom	10 days	\$9,900
21–25 May 2029	Istanbul	Classroom	5 days	\$5,500
11–22 Jun 2029	Athens	Classroom	10 days	\$9,900
5–9 Aug 2029	Muscat	Classroom	5 days	\$5,500
3–14 Sep 2029	Online (live)	Online (live)	10 days	\$5,500
7–18 Jan 2030	Dublin	Classroom	10 days	\$9,900
3–7 Jun 2030	Milan	Classroom	5 days	\$5,500
29 Jul – 9 Aug 2030	Munich	Classroom	10 days	\$9,900
23–27 Sep 2030	Edinburgh	Classroom	5 days	\$5,500
4–15 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/mechanical-integrity-programs-advanced-level/>

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