



Compressed Air Systems: Advanced Level

Mechanical & Rotating Equipment

QGT-MEC-138 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Compressed Air Systems: Advanced Level is an advanced programme for experienced practitioners in Compressed Air Systems. It covers the principles, the requirements of API 610/617/618, ASME and ISO standards, 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 Compressed Air Systems
- Apply the relevant requirements of API 610/617/618, ASME and ISO standards
- 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 mechanical engineers, technicians, supervisors and maintenance staff with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in API 610/617/618, ASME and ISO standards

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
15–26 Mar 2027	Lisbon	Classroom	10 days	\$9,900
16–20 May 2027	Algiers	Classroom	5 days	\$5,500
31 May – 11 Jun 2027	Toronto	Classroom	10 days	\$9,900
15–19 Aug 2027	Dammam	Classroom	5 days	\$5,500
15–26 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
24 Apr – 5 May 2028	Lisbon	Classroom	10 days	\$9,900
22–26 May 2028	Dublin	Classroom	5 days	\$5,500
3–14 Jul 2028	London	Classroom	10 days	\$9,900
7–11 Aug 2028	Nairobi	Classroom	5 days	\$5,500
6–17 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
8–19 Jan 2029	Baku	Classroom	10 days	\$9,900
15–19 Jan 2029	Lagos	Classroom	5 days	\$5,500
12–23 Feb 2029	Kuala Lumpur	Classroom	10 days	\$9,900
21–25 May 2029	Barcelona	Classroom	5 days	\$5,500
24 Sep – 5 Oct 2029	Online (live)	Online (live)	10 days	\$5,500
1–12 Apr 2030	Madrid	Classroom	10 days	\$9,900
22–26 Apr 2030	Edinburgh	Classroom	5 days	\$5,500
20–31 May 2030	Tunis	Classroom	10 days	\$9,900
16–20 Jun 2030	Kuwait City	Classroom	5 days	\$5,500
22 Jul – 2 Aug 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/compressed-air-systems-advanced-level/>

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