



Centrifugal Compressors Operation & Maintenance: Advanced Level

Mechanical & Rotating Equipment

QGT-MEC-127 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Centrifugal Compressors Operation & Maintenance: Advanced Level is an advanced programme for experienced practitioners in Centrifugal Compressors Operation & Maintenance. 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 Centrifugal Compressors Operation & Maintenance
- 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
1–12 Mar 2027	Abu Dhabi	Classroom	10 days	\$9,900
28 Jun – 2 Jul 2027	Tbilisi	Classroom	5 days	\$5,500
4–15 Jul 2027	Kuwait City	Classroom	10 days	\$9,900
19–23 Jul 2027	Rome	Classroom	5 days	\$5,500
18–29 Oct 2027	Online (live)	Online (live)	10 days	\$5,500
28 Feb – 10 Mar 2028	Barcelona	Classroom	10 days	\$9,900
13–17 Mar 2028	Abu Dhabi	Classroom	5 days	\$5,500
27 Mar – 7 Apr 2028	Toronto	Classroom	10 days	\$9,900
10–14 Jul 2028	Dublin	Classroom	5 days	\$5,500
23 Oct – 3 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
7–18 Jan 2029	Amman	Classroom	10 days	\$9,900
11–15 Jun 2029	Accra	Classroom	5 days	\$5,500
1–12 Oct 2029	Stockholm	Classroom	10 days	\$9,900
8–12 Oct 2029	Geneva	Classroom	5 days	\$5,500
26 Nov – 7 Dec 2029	Online (live)	Online (live)	10 days	\$5,500
20–31 Jan 2030	Erbil	Classroom	10 days	\$9,900
1–5 Apr 2030	Brussels	Classroom	5 days	\$5,500
8–19 Apr 2030	Cape Town	Classroom	10 days	\$9,900
21–25 Apr 2030	Sharm El Sheikh	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/centrifugal-compressors-operation-and-maintenance-advanced>

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