



Gas Turbines Operation & Maintenance: Advanced Level

Mechanical & Rotating Equipment

QGT-MEC-129 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Gas Turbines Operation & Maintenance: Advanced Level is an advanced programme for experienced practitioners in Gas Turbines 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 Gas Turbines 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
11–22 Jan 2027	Amsterdam	Classroom	10 days	\$9,900
8–12 Mar 2027	Budapest	Classroom	5 days	\$5,500
18–29 Apr 2027	Riyadh	Classroom	10 days	\$9,900
17–21 May 2027	Athens	Classroom	5 days	\$5,500
16–27 Aug 2027	Online (live)	Online (live)	10 days	\$5,500
6–17 Feb 2028	Algiers	Classroom	10 days	\$9,900
20–24 Mar 2028	Athens	Classroom	5 days	\$5,500
24 Jul – 4 Aug 2028	Rome	Classroom	10 days	\$9,900
9–13 Oct 2028	Paris	Classroom	5 days	\$5,500
4–15 Dec 2028	Online (live)	Online (live)	10 days	\$5,500
22 Jan – 2 Feb 2029	Vienna	Classroom	10 days	\$9,900
9–13 Apr 2029	Edinburgh	Classroom	5 days	\$5,500
16–27 Jul 2029	Johannesburg	Classroom	10 days	\$9,900
23–27 Jul 2029	Tunis	Classroom	5 days	\$5,500
24 Sep – 5 Oct 2029	Online (live)	Online (live)	10 days	\$5,500
28 Jul – 8 Aug 2030	Alexandria	Classroom	10 days	\$9,900
5–9 Aug 2030	Casablanca	Classroom	5 days	\$5,500
23 Sep – 4 Oct 2030	Berlin	Classroom	10 days	\$9,900
27–31 Oct 2030	Kuwait City	Classroom	5 days	\$5,500
2–13 Dec 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/gas-turbines-operation-and-maintenance-advanced-level/>

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