



Cranes & Lifting Equipment Engineering: Advanced Level

Mechanical & Rotating Equipment

QGT-MEC-147 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Cranes & Lifting Equipment Engineering: Advanced Level is an advanced programme for experienced practitioners in Cranes & Lifting Equipment Engineering. 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 Cranes & Lifting Equipment Engineering
- 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
18–29 Jan 2027	Beirut	Classroom	10 days	\$9,900
29 Mar – 2 Apr 2027	Geneva	Classroom	5 days	\$5,500
20 Sep – 1 Oct 2027	Rome	Classroom	10 days	\$9,900
10–14 Oct 2027	Algiers	Classroom	5 days	\$5,500
1–12 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
5–16 Mar 2028	Alexandria	Classroom	10 days	\$9,900
19–23 Jun 2028	Amsterdam	Classroom	5 days	\$5,500
26 Jun – 7 Jul 2028	Zurich	Classroom	10 days	\$9,900
17–21 Jul 2028	Edinburgh	Classroom	5 days	\$5,500
7–18 Aug 2028	Online (live)	Online (live)	10 days	\$5,500
22 Jan – 2 Feb 2029	Beirut	Classroom	10 days	\$9,900
14–18 May 2029	Casablanca	Classroom	5 days	\$5,500
18–29 Jun 2029	Lagos	Classroom	10 days	\$9,900
13–17 Aug 2029	Copenhagen	Classroom	5 days	\$5,500
3–14 Sep 2029	Online (live)	Online (live)	10 days	\$5,500
7–18 Jan 2030	Casablanca	Classroom	10 days	\$9,900
11–15 Feb 2030	Paris	Classroom	5 days	\$5,500
2–13 Jun 2030	Manama	Classroom	10 days	\$9,900
1–5 Jul 2030	Rome	Classroom	5 days	\$5,500
8–19 Jul 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/cranes-and-lifting-equipment-engineering-advanced-level/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

