



Hydraulic & Pneumatic Systems: Advanced Level

Mechanical & Rotating Equipment

QGT-MEC-140 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Hydraulic & Pneumatic Systems: Advanced Level is an advanced programme for experienced practitioners in Hydraulic & Pneumatic 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 Hydraulic & Pneumatic 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
11–22 Jan 2027	Accra	Classroom	10 days	\$9,900
29 Mar – 2 Apr 2027	Tunis	Classroom	5 days	\$5,500
24 May – 4 Jun 2027	Marrakech	Classroom	10 days	\$9,900
2–6 Aug 2027	Barcelona	Classroom	5 days	\$5,500
18–29 Oct 2027	Online (live)	Online (live)	10 days	\$5,500
16–27 Jan 2028	Manama	Classroom	10 days	\$9,900
7–11 Feb 2028	Vienna	Classroom	5 days	\$5,500
21 Feb – 3 Mar 2028	Stockholm	Classroom	10 days	\$9,900
24–28 Apr 2028	Marrakech	Classroom	5 days	\$5,500
11–22 Sep 2028	Online (live)	Online (live)	10 days	\$5,500
5–16 Feb 2029	Prague	Classroom	10 days	\$9,900
19–23 Mar 2029	Abu Dhabi	Classroom	5 days	\$5,500
26 Mar – 6 Apr 2029	Nairobi	Classroom	10 days	\$9,900
18–22 Jun 2029	Marrakech	Classroom	5 days	\$5,500
2–13 Jul 2029	Online (live)	Online (live)	10 days	\$5,500
18–29 Mar 2030	Istanbul	Classroom	10 days	\$9,900
7–11 Apr 2030	Manama	Classroom	5 days	\$5,500
10–21 Jun 2030	Munich	Classroom	10 days	\$9,900
19–23 Aug 2030	Accra	Classroom	5 days	\$5,500
2–13 Sep 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/hydraulic-and-pneumatic-systems-advanced-level/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

