



Machinery Failure Analysis: Practical Workshop

Mechanical & Rotating Equipment

QGT-MEC-168 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Machinery Failure Analysis: Practical Workshop is a hands-on workshop built around exercises and real site problems in Machinery Failure Analysis. 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 Machinery Failure Analysis
- Apply the relevant requirements of API 610/617/618, ASME and ISO standards
- Use practical tools, checklists and calculations with confidence
- 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 who want practice rather than theory.

Course outline (5 days)

Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

Day 3: Guided practice 2

Simulations and role-play based on Machinery Failure Analysis scenarios

Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

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
11–15 Apr 2027	Jeddah	Classroom	5 days	\$5,500
17–28 May 2027	Accra	Classroom	10 days	\$9,900
26–30 Jul 2027	Geneva	Classroom	5 days	\$5,500
15–26 Aug 2027	Alexandria	Classroom	10 days	\$9,900
18–22 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
2–6 Apr 2028	Muscat	Classroom	5 days	\$5,500
24 Apr – 5 May 2028	Madrid	Classroom	10 days	\$9,900
28 May – 1 Jun 2028	Sharm El Sheikh	Classroom	5 days	\$5,500
7–18 Aug 2028	Edinburgh	Classroom	10 days	\$9,900
11–15 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
2–6 Apr 2029	Zurich	Classroom	5 days	\$5,500
7–18 May 2029	Abu Dhabi	Classroom	10 days	\$9,900
13–17 Aug 2029	Beirut	Classroom	5 days	\$5,500
17–28 Sep 2029	Berlin	Classroom	10 days	\$9,900
1–5 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
24–28 Jun 2030	Edinburgh	Classroom	5 days	\$5,500
29 Jul – 9 Aug 2030	Baku	Classroom	10 days	\$9,900
26–30 Aug 2030	Lagos	Classroom	5 days	\$5,500
2–13 Sep 2030	Sharjah	Classroom	10 days	\$9,900
11–15 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/machinery-failure-analysis-practical-workshop/>

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