



Ultrasound & Acoustic Emission Monitoring: Practical Workshop

Maintenance & Reliability

QGT-MRE-160 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Ultrasound & Acoustic Emission Monitoring: Practical Workshop is a hands-on workshop built around exercises and real site problems in Ultrasound & Acoustic Emission Monitoring. It covers the principles, the requirements of ISO 55001, ISO 14224, SAE JA1011 and SMRP best practice, 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 Ultrasound & Acoustic Emission Monitoring
- Apply the relevant requirements of ISO 55001, ISO 14224, SAE JA1011 and SMRP best practice
- 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 maintenance engineers, planners, reliability engineers and supervisors 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 Ultrasound & Acoustic Emission Monitoring 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	Algiers	Classroom	5 days	\$5,500
22 Aug – 2 Sep 2027	Muscat	Classroom	10 days	\$9,900
30 Aug – 3 Sep 2027	Lisbon	Classroom	5 days	\$5,500
18–29 Oct 2027	Istanbul	Classroom	10 days	\$9,900
8–12 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
1–5 May 2028	Luanda	Classroom	5 days	\$5,500
12–23 Jun 2028	Casablanca	Classroom	10 days	\$9,900
10–14 Jul 2028	Bangkok	Classroom	5 days	\$5,500
30 Jul – 10 Aug 2028	Manama	Classroom	10 days	\$9,900
20–24 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
4–8 Mar 2029	Erbil	Classroom	5 days	\$5,500
1–12 Apr 2029	Al Khobar	Classroom	10 days	\$9,900
30 Jul – 3 Aug 2029	Kigali	Classroom	5 days	\$5,500
15–26 Oct 2029	Cape Town	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
21–25 Jan 2030	Kuala Lumpur	Classroom	5 days	\$5,500
11–22 Feb 2030	Manchester	Classroom	10 days	\$9,900
21–25 Apr 2030	Erbil	Classroom	5 days	\$5,500
13–24 May 2030	Milan	Classroom	10 days	\$9,900
16–20 Sep 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/ultrasound-and-acoustic-emission-monitoring-practical-workshop>

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