



Ultrasound & Acoustic Emission Monitoring Masterclass

Maintenance & Reliability

QGT-MRE-182 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Ultrasound & Acoustic Emission Monitoring Masterclass is a senior-level masterclass on strategy and performance 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
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for maintenance engineers, planners, reliability engineers and supervisors in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Ultrasound & Acoustic Emission Monitoring

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

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
10–14 Jan 2027	Alexandria	Classroom	5 days	\$5,500
31 May – 11 Jun 2027	Bangkok	Classroom	10 days	\$9,900
19–23 Jul 2027	Tbilisi	Classroom	5 days	\$5,500
26 Jul – 6 Aug 2027	Edinburgh	Classroom	10 days	\$9,900
27 Sep – 1 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
7–11 Feb 2028	Frankfurt	Classroom	5 days	\$5,500
11–22 Jun 2028	Manama	Classroom	10 days	\$9,900
11–15 Sep 2028	Lagos	Classroom	5 days	\$5,500
30 Oct – 10 Nov 2028	Cape Town	Classroom	10 days	\$9,900
6–10 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
8–12 Jan 2029	Madrid	Classroom	5 days	\$5,500
11–22 Feb 2029	Kuwait City	Classroom	10 days	\$9,900
12–16 Mar 2029	Berlin	Classroom	5 days	\$5,500
16–27 Apr 2029	Munich	Classroom	10 days	\$9,900
4–8 Jun 2029	Online (live)	Online (live)	5 days	\$3,000
13–17 Jan 2030	Jeddah	Classroom	5 days	\$5,500
3–14 Feb 2030	Alexandria	Classroom	10 days	\$9,900
4–8 Mar 2030	Geneva	Classroom	5 days	\$5,500
22 Sep – 3 Oct 2030	Erbil	Classroom	10 days	\$9,900
21–25 Oct 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-masterclass/>

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