Elevora
Global Training

COURSE BROCHURE

Vibration Analysis and Condition Monitoring

Mechanical & Rotating Equipment

Most demanded

Code	Duration	Formats	Language	Certificate
ME-105	5 or 10 days	Classroom, live online, in-house, blended	English or Arabic	Certificate of completion

A practical mechanical and rotating equipment course covering vibration fundamentals, measurement and instrumentation and spectrum analysis and fault diagnosis. Run as a 5-day core or 10-day extended programme, in 16 cities, live online or in-house, and fully customisable for your team.

About this course

Vibration Analysis and Condition Monitoring gives delegates a structured, practical understanding of vibration fundamentals and measurement and instrumentation, then builds the skills to apply spectrum analysis and fault diagnosis, condition monitoring programmes and case studies in real work. Sessions are led by practitioners with at least 15 years in the field.

What you will learn

- Vibration fundamentals
- Measurement and instrumentation
- Spectrum analysis and fault diagnosis
- Condition monitoring programmes
- Case studies

Who should attend

Mechanical engineers, maintenance supervisors, technicians, inspectors and reliability staff.

5-day course outline

Day 1	**Vibration fundamentals**	Concepts, standards and terminology, with a diagnostic exercise to baseline the group.
Day 2	**Measurement and instrumentation**	Methods and tools explained step by step, with worked examples from real operations.
Day 3	**Spectrum analysis and fault diagnosis**	Hands-on practice in small groups using realistic data, cases and templates.
Day 4	**Condition monitoring programmes**	Case studies of successes and failures, and how to apply the lessons in your organisation.
Day 5	**Case studies**	Integration exercise, final knowledge check and a personal action plan.

10-day extended programme

Includes the full 5-day outline, plus a second week of applied work:

Day 6	**Applied workshop: Vibration fundamentals** — Deeper practice with your own data or site examples.
Day 7	**Applied workshop: Measurement and instrumentation and spectrum analysis and fault diagnosis** — Group exercises that combine methods from week one.
Day 8	**Field case study: Condition monitoring programmes** — A detailed industry case worked through from start to finish.
Day 9	**Advanced practice: Case studies** — Tools, templates and checklists to take back to work.
Day 10	**Assessed project and presentation** — Each delegate presents an improvement plan and completes the final assessment.

Upcoming classroom dates

More dates, cities and live online sessions on request.

Dates	City	Length	Fee per delegate
9 Nov 2026 to 20 Nov 2026	Istanbul	10 days	**$4,450**
6 Dec 2026 to 10 Dec 2026	Cairo	5 days	**$2,450**
10 Jan 2027 to 14 Jan 2027	Riyadh	5 days	**$2,450**
14 Feb 2027 to 18 Feb 2027	Riyadh	5 days	**$2,450**
14 Mar 2027 to 18 Mar 2027	Cairo	5 days	**$2,450**

Fees per delegate (2026 to 2027)

Format	5 days	10 days
Classroom: Dubai, Istanbul, Cairo, Kuala Lumpur	**$2,450**	**$4,450**
Classroom: London, Europe, Singapore	**$3,450**	**$6,250**
Live online	**$1,450**	**$2,650**
In-house, group of up to 15	**From $12,900**	**From $23,500**

Classroom fees include tuition, materials, lunch and refreshments, and a certificate. 10% group saving for 3 delegates, 15% for 5 or more.

Tailored to your team

Change the level, language, length (1 to 20 days) and format, add topics from other courses or entirely new topics, and include your own case studies, site visits or exam preparation. Build it online for an instant indicative fee.

Register or request an in-house proposal

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