Elevora
Global Training

COURSE BROCHURE

Centrifugal Pumps and Compressors

Mechanical & Rotating Equipment

Most demanded

Code	Duration	Formats	Language	Certificate
ME-102	5 or 10 days	Classroom, live online, in-house, blended	English or Arabic	Certificate of completion

A practical mechanical and rotating equipment course covering pump and compressor principles, performance curves and system curves and cavitation, surge and protection. 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

Centrifugal Pumps and Compressors gives delegates a structured, practical understanding of pump and compressor principles and performance curves and system curves, then builds the skills to apply cavitation, surge and protection, mechanical seals and couplings and troubleshooting and maintenance in real work. Sessions are led by practitioners with at least 15 years in the field.

What you will learn

- Pump and compressor principles
- Performance curves and system curves
- Cavitation, surge and protection
- Mechanical seals and couplings
- Troubleshooting and maintenance

Who should attend

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

5-day course outline

Day 1	**Pump and compressor principles**	Concepts, standards and terminology, with a diagnostic exercise to baseline the group.
Day 2	**Performance curves and system curves**	Methods and tools explained step by step, with worked examples from real operations.
Day 3	**Cavitation, surge and protection**	Hands-on practice in small groups using realistic data, cases and templates.
Day 4	**Mechanical seals and couplings**	Case studies of successes and failures, and how to apply the lessons in your organisation.
Day 5	**Troubleshooting and maintenance**	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: Pump and compressor principles** — Deeper practice with your own data or site examples.
Day 7	**Applied workshop: Performance curves and system curves and cavitation, surge and protection** — Group exercises that combine methods from week one.
Day 8	**Field case study: Mechanical seals and couplings** — A detailed industry case worked through from start to finish.
Day 9	**Advanced practice: Troubleshooting and maintenance** — 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
16 Nov 2026 to 20 Nov 2026	Istanbul	5 days	**$2,450**
13 Dec 2026 to 17 Dec 2026	Cairo	5 days	**$2,450**
17 Jan 2027 to 21 Jan 2027	Riyadh	5 days	**$2,450**
7 Feb 2027 to 18 Feb 2027	Cairo	10 days	**$4,450**
15 Mar 2027 to 26 Mar 2027	Kuala Lumpur	10 days	**$4,450**

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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