Elevora
Global Training

COURSE BROCHURE

Predictive Maintenance with AI and Analytics

Maintenance & Reliability

Most demanded | **Rising demand 2027**

Code	Duration	Formats	Language	Certificate
MR-107	**5 or 10 days**	**Classroom, live online, in-house, blended**	**English or Arabic**	**Certificate of completion**

A practical maintenance and reliability course covering predictive maintenance techniques, sensor data and condition monitoring and machine learning for failure prediction. 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

Predictive Maintenance with AI and Analytics gives delegates a structured, practical understanding of predictive maintenance techniques and sensor data and condition monitoring, then builds the skills to apply machine learning for failure prediction, building PdM programmes and value and ROI in real work. Sessions are led by practitioners with at least 15 years in the field.

What you will learn

- Predictive maintenance techniques
- Sensor data and condition monitoring
- Machine learning for failure prediction
- Building PdM programmes
- Value and ROI

Who should attend

Maintenance managers, planners, reliability engineers, inspection staff and asset managers.

5-day course outline

Day 1	**Predictive maintenance techniques**	Concepts, standards and terminology, with a diagnostic exercise to baseline the group.
Day 2	**Sensor data and condition monitoring**	Methods and tools explained step by step, with worked examples from real operations.
Day 3	**Machine learning for failure prediction**	Hands-on practice in small groups using realistic data, cases and templates.
Day 4	**Building PdM programmes**	Case studies of successes and failures, and how to apply the lessons in your organisation.
Day 5	**Value and ROI**	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: Predictive maintenance techniques** — Deeper practice with your own data or site examples.
Day 7	**Applied workshop: Sensor data and condition monitoring and machine learning for failure prediction** — Group exercises that combine methods from week one.
Day 8	**Field case study: Building PdM programmes** — A detailed industry case worked through from start to finish.
Day 9	**Advanced practice: Value and ROI** — 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
2 Nov 2026 to 13 Nov 2026	London	10 days	**$6,250**
7 Dec 2026 to 11 Dec 2026	London	5 days	**$3,450**
4 Jan 2027 to 8 Jan 2027	London	5 days	**$3,450**
7 Feb 2027 to 11 Feb 2027	Riyadh	5 days	**$2,450**
15 Mar 2027 to 19 Mar 2027	London	5 days	**$3,450**

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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