Elevora
Global Training

COURSE BROCHURE

Risk-Based Inspection (API 580 and 581)

Maintenance & Reliability

Most demanded

Code	Duration	Formats	Language	Certificate
MR-109	5 or 10 days	Classroom, live online, in-house, blended	English or Arabic	Certificate of completion

A practical maintenance and reliability course covering RBI principles and API 580/581, damage mechanisms and probability and consequence. 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

Risk-Based Inspection (API 580 and 581) gives delegates a structured, practical understanding of RBI principles and API 580/581 and damage mechanisms, then builds the skills to apply probability and consequence, inspection planning and implementation in real work. Sessions are led by practitioners with at least 15 years in the field.

What you will learn

- RBI principles and API 580/581
- Damage mechanisms
- Probability and consequence
- Inspection planning
- Implementation

Who should attend

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

5-day course outline

Day 1	**RBI principles and API 580/581**	Concepts, standards and terminology, with a diagnostic exercise to baseline the group.
Day 2	**Damage mechanisms**	Methods and tools explained step by step, with worked examples from real operations.
Day 3	**Probability and consequence**	Hands-on practice in small groups using realistic data, cases and templates.
Day 4	**Inspection planning**	Case studies of successes and failures, and how to apply the lessons in your organisation.
Day 5	**Implementation**	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: RBI principles and API 580/581** — Deeper practice with your own data or site examples.
Day 7	**Applied workshop: Damage mechanisms and probability and consequence** — Group exercises that combine methods from week one.
Day 8	**Field case study: Inspection planning** — A detailed industry case worked through from start to finish.
Day 9	**Advanced practice: Implementation** — 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 6 Nov 2026	Istanbul	5 days	**$2,450**
7 Dec 2026 to 11 Dec 2026	Kuala Lumpur	5 days	**$2,450**
4 Jan 2027 to 8 Jan 2027	Dubai	5 days	**$2,450**
15 Feb 2027 to 26 Feb 2027	Kuala Lumpur	10 days	**$4,450**
14 Mar 2027 to 25 Mar 2027	Cairo	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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