Elevora
Global Training

COURSE BROCHURE

# Thermal Insulation for Mechanical Systems

Mechanical & Rotating Equipment

| Code | Duration | Formats | Language | Certificate |
|---|---|---|---|---|
| **ME-108** | **5 or 10 days** | **Classroom, live online, in-house, blended** | **English or Arabic** | **Certificate of completion** |

A practical mechanical and rotating equipment course covering heat loss and insulation principles, materials and selection and design and thickness calculation. 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

Thermal Insulation for Mechanical Systems gives delegates a structured, practical understanding of heat loss and insulation principles and materials and selection, then builds the skills to apply design and thickness calculation, corrosion under insulation and installation and inspection in real work. Sessions are led by practitioners with at least 15 years in the field.

## What you will learn

- Heat loss and insulation principles
- Materials and selection
- Design and thickness calculation
- Corrosion under insulation
- Installation and inspection

## Who should attend

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

## 5-day course outline

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| **Day 1** | **Heat loss and insulation principles** | Concepts, standards and terminology, with a diagnostic exercise to baseline the group. |
| **Day 2** | **Materials and selection** | Methods and tools explained step by step, with worked examples from real operations. |
| **Day 3** | **Design and thickness calculation** | Hands-on practice in small groups using realistic data, cases and templates. |
| **Day 4** | **Corrosion under insulation** | Case studies of successes and failures, and how to apply the lessons in your organisation. |
| **Day 5** | **Installation and inspection** | 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:

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| **Day 6** | **Applied workshop: Heat loss and insulation principles** — Deeper practice with your own data or site examples. |
| **Day 7** | **Applied workshop: Materials and selection and design and thickness calculation** — Group exercises that combine methods from week one. |
| **Day 8** | **Field case study: Corrosion under insulation** — A detailed industry case worked through from start to finish. |
| **Day 9** | **Advanced practice: Installation and inspection** — 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 | Dubai | 5 days | **$2,450** |
| 14 Dec 2026 to 25 Dec 2026 | Istanbul | 10 days | **$4,450** |
| 18 Jan 2027 to 22 Jan 2027 | Dubai | 5 days | **$2,450** |
| 15 Feb 2027 to 19 Feb 2027 | Istanbul | 5 days | **$2,450** |
| 15 Mar 2027 to 19 Mar 2027 | Barcelona | 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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