Garnet
Garnet Global Training Center

GGT-MM-108

Mechanical, Maintenance & Reliability

# Asset Integrity & Risk-Based Inspection

سلامة الأصول والفحص المبني على المخاطر

| Duration | Language | Formats | Hours | Level |
|---|---|---|---|---|
| **5 or 10 days** | **English or Arabic** | **Classroom, online, in-house** | **35 / 70** | **Intermediate (practitioner)** |

## Overview

Asset Integrity & Risk-Based Inspection focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Keep equipment running longer, fail less and plan maintenance on evidence instead of habit. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

## What you will be able to do

- Apply the methods and standards of Asset Integrity & Risk-Based Inspection to real tasks.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.

## Who should attend

Mechanical and maintenance engineers, reliability specialists, planners and workshop supervisors. Practitioners with one to five years of experience benefit most.

## Key topics

- Failure modes and degradation mechanisms
- Condition monitoring techniques
- Maintenance strategy and planning
- Spare parts and work order discipline
- Reliability metrics: MTBF, MTTR, OEE
- CMMS data and continuous improvement

## Formats and fees

| | |
|---|---|
| 5-day classroom | **USD 4,750** |
| 5-day online | **USD 2,950** |
| 10-day classroom | **USD 8,950** |
| 10-day online | **USD 5,450** |
| In-house | **Quotation per group** |

Fees per participant, excluding VAT.

## Register or ask

**WhatsApp:** +971 56 674 7382

**Email:** info@garnettrainings.com

**Training:** training@garnettrainings.com

**Web:** garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

## Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

## 5-day outline

### Day 1 Asset Integrity & Risk-Based Inspection: principles and standards

- Spare parts and work order discipline
- Measurement and reporting

### Day 2 Methods and tools in practice

- Reliability metrics: MTBF, MTTR, OEE
- CMMS data and continuous improvement

### Day 3 Diagnosis and problem solving

- Failure modes and degradation mechanisms
- Hands-on workshop on a workplace challenge

### Day 4 Quality, safety and documentation

- Condition monitoring techniques
- Common mistakes and how to avoid them

### Day 5 Workshop, assessment and action plan

- Maintenance strategy and planning
- Regional and international case studies

## 10-day outline

### Day 1 Asset Integrity & Risk-Based Inspection: principles and standards

- Spare parts and work order discipline
- Measurement and reporting

### Day 2 Methods and tools in practice

- Reliability metrics: MTBF, MTTR, OEE
- CMMS data and continuous improvement

### Day 3 Diagnosis and problem solving

- Failure modes and degradation mechanisms
- Hands-on workshop on a workplace challenge

### Day 4 Quality, safety and documentation

- Condition monitoring techniques
- Common mistakes and how to avoid them

### Day 5 Workshop, assessment and action plan

- Maintenance strategy and planning
- Regional and international case studies

### Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Checklists and templates to take away

### Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

### Day 8 Benchmarking against international practice

- Global performance benchmarks
- Group discussion and peer review

### Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

### Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

## Schedule 2027–2030

| Dates | Format | City | Language | Fee (USD) |
|---|---|---|---|---|
| 7–11 Feb 2027 | 5-day classroom | Amman | Arabic | 4,750 |
| 21–25 Jun 2027 | 5-day classroom | Dubai | English | 4,750 |
| 18–22 Oct 2027 | 5-day online | Live online | Arabic | 2,950 |
| 1–12 Nov 2027 | 10-day classroom | Amsterdam | English | 8,950 |
| 6–10 Feb 2028 | 5-day classroom | Cairo | Arabic | 4,750 |
| 3–7 Apr 2028 | 5-day classroom | Kuala Lumpur | English | 4,750 |
| 19–30 Jun 2028 | 10-day online | Live online | English | 5,450 |
| 6–17 Nov 2028 | 10-day classroom | Istanbul | English | 8,950 |
| 5–16 Feb 2029 | 10-day classroom | Paris | English | 8,950 |

| Dates | Format | City | Language | Fee (USD) |
|---|---|---|---|---|
| 15–19 Apr 2029 | 5-day classroom | Jeddah | English | 4,750 |
| 20–24 Aug 2029 | 5-day online | Live online | Arabic | 2,950 |
| 10–14 Dec 2029 | 5-day classroom | London | English | 4,750 |
| 1–5 Apr 2030 | 5-day classroom | Dubai | Arabic | 4,750 |
| 10–21 Jun 2030 | 10-day classroom | Barcelona | English | 8,950 |
| 19–30 Aug 2030 | 10-day online | Live online | Arabic | 5,450 |
| 1–5 Sep 2030 | 5-day classroom | Riyadh | English | 4,750 |

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/