Garnet
Garnet Global Training Center

GGT-MM-126

Mechanical, Maintenance & Reliability

# Bolted Joint Integrity & Torque Control

سلامة الوصلات المسمارية والتحكم في عزم الربط

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

## Overview

This program treats Bolted Joint Integrity & Torque Control as a managed system: policies, roles, resources, performance indicators and continual improvement. 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

- Set up and run Bolted Joint Integrity & Torque Control as a managed process with clear roles.
- Manage contractors, suppliers and internal customers.
- Plan resources, budgets and schedules realistically.
- Define KPIs and build simple dashboards for management.
- Control risk, quality and compliance in this area.

## Who should attend

Mechanical and maintenance engineers, reliability specialists, planners and workshop supervisors. It suits supervisors, section heads and specialists who manage, or are about to manage, this area.

## 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 Bolted Joint Integrity & Torque Control: the management framework

- Failure modes and degradation mechanisms
- Regional and international case studies

### Day 2 Planning, resources and budgets

- Condition monitoring techniques
- Maintenance strategy and planning

### Day 3 Performance measurement and control

- Spare parts and work order discipline
- Checklists and templates to take away

### Day 4 Risk, compliance and improvement

- Reliability metrics: MTBF, MTTR, OEE
- Group discussion and peer review

### Day 5 Management case study and action plan

- CMMS data and continuous improvement
- Measurement and reporting

## 10-day outline

### Day 1 Bolted Joint Integrity & Torque Control: the management framework

- Failure modes and degradation mechanisms
- Regional and international case studies

### Day 2 Planning, resources and budgets

- Condition monitoring techniques
- Maintenance strategy and planning

### Day 3 Performance measurement and control

- Spare parts and work order discipline
- Checklists and templates to take away

### Day 4 Risk, compliance and improvement

- Reliability metrics: MTBF, MTTR, OEE
- Group discussion and peer review

### Day 5 Management case study and action plan

- CMMS data and continuous improvement
- Measurement and reporting

### Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Hands-on workshop on a workplace challenge

### 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
- Common mistakes and how to avoid them

### 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) |
|---|---|---|---|---|
| 15–19 Feb 2027 | 5-day classroom | Abu Dhabi | English | 4,750 |
| 5–9 Apr 2027 | 5-day online | Live online | English | 2,950 |
| 2–6 Aug 2027 | 5-day classroom | London | English | 4,750 |
| 13–24 Dec 2027 | 10-day classroom | Paris | English | 8,950 |
| 10–21 Jan 2028 | 10-day online | Live online | English | 5,450 |
| 15–19 May 2028 | 5-day classroom | Vienna | English | 4,750 |
| 6–10 Aug 2028 | 5-day classroom | Riyadh | English | 4,750 |
| 5–16 Nov 2028 | 10-day classroom | Cairo | Arabic | 8,950 |
| 18–22 Mar 2029 | 5-day classroom | Riyadh | Arabic | 4,750 |

| Dates | Format | City | Language | Fee (USD) |
|---|---|---|---|---|
| 16–20 Apr 2029 | 5-day classroom | Abu Dhabi | Arabic | 4,750 |
| 12–23 Nov 2029 | 10-day classroom | Paris | English | 8,950 |
| 10–14 Dec 2029 | 5-day online | Live online | Arabic | 2,950 |
| 4–15 Feb 2030 | 10-day classroom | London | English | 8,950 |
| 1–12 Apr 2030 | 10-day online | Live online | Arabic | 5,450 |
| 11–15 Nov 2030 | 5-day classroom | Dubai | Arabic | 4,750 |
| 9–13 Dec 2030 | 5-day classroom | Abu Dhabi | Arabic | 4,750 |

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