Garnet
Garnet Global Training Center

GGT-MM-112

Mechanical, Maintenance & Reliability

# Valves & Actuators Maintenance

صيانة الصمامات والمشغلات

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

## Overview

Valves & Actuators Maintenance 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. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

## What you will be able to do

- Apply the methods and standards of Valves & Actuators Maintenance to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

## 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 Valves & Actuators Maintenance: principles and standards

- Maintenance strategy and planning
- Common mistakes and how to avoid them

### Day 2 Methods and tools in practice

- Spare parts and work order discipline
- Reliability metrics: MTBF, MTTR, OEE

### Day 3 Diagnosis and problem solving

- CMMS data and continuous improvement
- Regional and international case studies

### Day 4 Quality, safety and documentation

- Failure modes and degradation mechanisms
- Checklists and templates to take away

### Day 5 Workshop, assessment and action plan

- Condition monitoring techniques
- Group discussion and peer review

## 10-day outline

### Day 1 Valves & Actuators Maintenance: principles and standards

- Maintenance strategy and planning
- Common mistakes and how to avoid them

### Day 2 Methods and tools in practice

- Spare parts and work order discipline
- Reliability metrics: MTBF, MTTR, OEE

### Day 3 Diagnosis and problem solving

- CMMS data and continuous improvement
- Regional and international case studies

### Day 4 Quality, safety and documentation

- Failure modes and degradation mechanisms
- Checklists and templates to take away

### Day 5 Workshop, assessment and action plan

- Condition monitoring techniques
- Group discussion and peer review

### Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Measurement and reporting

### 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
- Hands-on workshop on a workplace challenge

### 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) |
|---|---|---|---|---|
| 21–25 Mar 2027 | 5-day classroom | Jeddah | Arabic | 4,750 |
| 18–22 Apr 2027 | 5-day classroom | Manama | Arabic | 4,750 |
| 5–9 Jul 2027 | 5-day online | Live online | Arabic | 2,950 |
| 11–22 Oct 2027 | 10-day classroom | Abu Dhabi | English | 8,950 |
| 14–25 Feb 2028 | 10-day online | Live online | Arabic | 5,450 |
| 10–14 Apr 2028 | 5-day classroom | Dubai | English | 4,750 |
| 20–31 Aug 2028 | 10-day classroom | Manama | English | 8,950 |
| 9–13 Oct 2028 | 5-day classroom | Abu Dhabi | Arabic | 4,750 |
| 8–12 Jan 2029 | 5-day classroom | Dubai | English | 4,750 |

| Dates | Format | City | Language | Fee (USD) |
|---|---|---|---|---|
| 19–23 Feb 2029 | 5-day online | Live online | Arabic | 2,950 |
| 20–24 Aug 2029 | 5-day classroom | Abu Dhabi | Arabic | 4,750 |
| 2–13 Sep 2029 | 10-day classroom | Cairo | English | 8,950 |
| 3–7 Feb 2030 | 5-day classroom | Kuwait City | Arabic | 4,750 |
| 17–21 Jun 2030 | 5-day classroom | Dubai | Arabic | 4,750 |
| 1–12 Jul 2030 | 10-day online | Live online | English | 5,450 |
| 1–12 Dec 2030 | 10-day classroom | Riyadh | Arabic | 8,950 |

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