Garnet
Garnet Global Training Center

GGT-MM-115

Mechanical, Maintenance & Reliability

# Centrifugal Pumps Troubleshooting

تشخيص أعطال المضخات الطاردة المركزية

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

## Overview

Centrifugal Pumps Troubleshooting 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 Centrifugal Pumps Troubleshooting to real tasks.
- Diagnose common problems and identify root causes.
- 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.

## 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 Centrifugal Pumps Troubleshooting: principles and standards

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

### Day 2 Methods and tools in practice

- Condition monitoring techniques
- Maintenance strategy and planning

### Day 3 Diagnosis and problem solving

- Spare parts and work order discipline
- Group discussion and peer review

### Day 4 Quality, safety and documentation

- Reliability metrics: MTBF, MTTR, OEE
- Measurement and reporting

### Day 5 Workshop, assessment and action plan

- CMMS data and continuous improvement
- Hands-on workshop on a workplace challenge

## 10-day outline

### Day 1 Centrifugal Pumps Troubleshooting: principles and standards

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

### Day 2 Methods and tools in practice

- Condition monitoring techniques
- Maintenance strategy and planning

### Day 3 Diagnosis and problem solving

- Spare parts and work order discipline
- Group discussion and peer review

### Day 4 Quality, safety and documentation

- Reliability metrics: MTBF, MTTR, OEE
- Measurement and reporting

### Day 5 Workshop, assessment and action plan

- CMMS data and continuous improvement
- Hands-on workshop on a workplace challenge

### Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Common mistakes and how to avoid them

### 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
- Regional and international case studies

### 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) |
|---|---|---|---|---|
| 17–28 Jan 2027 | 10-day classroom | Riyadh | Arabic | 8,950 |
| 17–21 May 2027 | 5-day online | Live online | Arabic | 2,950 |
| 4–8 Oct 2027 | 5-day classroom | London | English | 4,750 |
| 13–17 Dec 2027 | 5-day classroom | Vienna | English | 4,750 |
| 7–18 Feb 2028 | 10-day online | Live online | Arabic | 5,450 |
| 11–22 Jun 2028 | 10-day classroom | Cairo | Arabic | 8,950 |
| 13–17 Aug 2028 | 5-day classroom | Doha | Arabic | 4,750 |
| 11–15 Sep 2028 | 5-day classroom | Dubai | Arabic | 4,750 |
| 18–22 Feb 2029 | 5-day classroom | Doha | Arabic | 4,750 |

| Dates | Format | City | Language | Fee (USD) |
|---|---|---|---|---|
| 9–20 Apr 2029 | 10-day classroom | Kuala Lumpur | English | 8,950 |
| 7–11 May 2029 | 5-day online | Live online | English | 2,950 |
| 17–21 Dec 2029 | 5-day classroom | Singapore | English | 4,750 |
| 6–10 Jan 2030 | 5-day classroom | Muscat | English | 4,750 |
| 15–26 Apr 2030 | 10-day online | Live online | English | 5,450 |
| 17–28 Jun 2030 | 10-day classroom | Kuala Lumpur | English | 8,950 |
| 18–22 Nov 2030 | 5-day classroom | London | English | 4,750 |

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