Garnet
Garnet Global Training Center

GGT-WT-108

Water, Wastewater & Desalination

# Pumping Stations Operation & Maintenance

تشغيل وصيانة محطات الضخ

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

## Overview

Participants in Pumping Stations Operation & Maintenance practise the methods, tools and standards they need to perform reliably and solve problems on the job. Treatment, networks and desalination programs for water utilities and industry. 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 Pumping Stations Operation & 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

Water utility engineers, plant operators, network and environmental specialists. Practitioners with one to five years of experience benefit most.

## Key topics

- Water quality and standards
- Treatment processes
- Networks, pumping and losses
- Plant operation and chemicals
- Energy use in water systems
- Regulation and reporting

## 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 Pumping Stations Operation & Maintenance: principles and standards

- Energy use in water systems
- Checklists and templates to take away

### Day 2 Methods and tools in practice

- Regulation and reporting
- Water quality and standards

### Day 3 Diagnosis and problem solving

- Treatment processes
- Group discussion and peer review

### Day 4 Quality, safety and documentation

- Networks, pumping and losses
- Measurement and reporting

### Day 5 Workshop, assessment and action plan

- Plant operation and chemicals
- Hands-on workshop on a workplace challenge

## 10-day outline

### Day 1 Pumping Stations Operation & Maintenance: principles and standards

- Energy use in water systems
- Checklists and templates to take away

### Day 2 Methods and tools in practice

- Regulation and reporting
- Water quality and standards

### Day 3 Diagnosis and problem solving

- Treatment processes
- Group discussion and peer review

### Day 4 Quality, safety and documentation

- Networks, pumping and losses
- Measurement and reporting

### Day 5 Workshop, assessment and action plan

- Plant operation and chemicals
- 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) |
|---|---|---|---|---|
| 14–25 Mar 2027 | 10-day classroom | Muscat | English | 8,950 |
| 9–13 May 2027 | 5-day classroom | Amman | English | 4,750 |
| 20–24 Sep 2027 | 5-day classroom | Dubai | English | 4,750 |
| 13–17 Dec 2027 | 5-day online | Live online | English | 2,950 |
| 5–16 Mar 2028 | 10-day classroom | Riyadh | Arabic | 8,950 |
| 3–14 Apr 2028 | 10-day online | Live online | English | 5,450 |
| 16–20 Oct 2028 | 5-day classroom | Barcelona | English | 4,750 |
| 11–15 Dec 2028 | 5-day classroom | Dubai | English | 4,750 |
| 19–23 Feb 2029 | 5-day online | Live online | Arabic | 2,950 |

| Dates | Format | City | Language | Fee (USD) |
|---|---|---|---|---|
| 15–19 Apr 2029 | 5-day classroom | Riyadh | English | 4,750 |
| 2–6 Jul 2029 | 5-day classroom | Amsterdam | English | 4,750 |
| 5–16 Nov 2029 | 10-day classroom | Vienna | English | 8,950 |
| 11–22 Feb 2030 | 10-day classroom | Amsterdam | English | 8,950 |
| 17–21 Mar 2030 | 5-day classroom | Riyadh | Arabic | 4,750 |
| 19–23 May 2030 | 5-day classroom | Cairo | Arabic | 4,750 |
| 4–15 Nov 2030 | 10-day online | Live online | English | 5,450 |

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