Garnet
Garnet Global Training Center

GGT-WT-101

Water, Wastewater & Desalination

Water Treatment Plant Operation

تشغيل محطات معالجة المياه

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

Overview

Water Treatment Plant Operation turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Treatment, networks and desalination programs for water utilities and industry. 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 Water Treatment Plant Operation to real tasks.
- 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.
- Follow safe, compliant and documented work practices.

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 Water Treatment Plant Operation: principles and standards

- Water quality and standards
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Treatment processes
- Networks, pumping and losses

Day 3 Diagnosis and problem solving

- Plant operation and chemicals
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Energy use in water systems
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Regulation and reporting
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Water Treatment Plant Operation: principles and standards

- Water quality and standards
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Treatment processes
- Networks, pumping and losses

Day 3 Diagnosis and problem solving

- Plant operation and chemicals
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Energy use in water systems
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Regulation and reporting
- 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)
8–12 Feb 2027	5-day classroom	Amsterdam	English	4,750
8–19 Mar 2027	10-day classroom	Dubai	English	8,950
2–6 Aug 2027	5-day online	Live online	English	2,950
8–12 Nov 2027	5-day classroom	Abu Dhabi	English	4,750
7–18 Feb 2028	10-day online	Live online	Arabic	5,450
20–24 Mar 2028	5-day classroom	Abu Dhabi	Arabic	4,750
10–14 Apr 2028	5-day classroom	London	English	4,750
21 May – 1 Jun 2028	10-day classroom	Doha	Arabic	8,950
7–11 Jan 2029	5-day classroom	Riyadh	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
12–23 Feb 2029	10-day classroom	Abu Dhabi	English	8,950
18–22 Jun 2029	5-day online	Live online	English	2,950
16–20 Jul 2029	5-day classroom	Kuala Lumpur	English	4,750
18–22 Mar 2030	5-day classroom	Kuala Lumpur	English	4,750
8–19 Apr 2030	10-day online	Live online	English	5,450
9–13 Jun 2030	5-day classroom	Riyadh	Arabic	4,750
4–15 Nov 2030	10-day classroom	Dubai	Arabic	8,950

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