Garnet
Garnet Global Training Center

GGT-WT-107

Water, Wastewater & Desalination

Industrial & Cooling Water Treatment

معالجة المياه الصناعية ومياه التبريد

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

Overview

Industrial & Cooling Water Treatment 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 Industrial & Cooling Water Treatment to real tasks.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.

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 Industrial & Cooling Water Treatment: principles and standards

- Plant operation and chemicals
- Regional and international case studies

Day 2 Methods and tools in practice

- Energy use in water systems
- Regulation and reporting

Day 3 Diagnosis and problem solving

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

Day 4 Quality, safety and documentation

- Treatment processes
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Networks, pumping and losses
- Measurement and reporting

10-day outline

Day 1 Industrial & Cooling Water Treatment: principles and standards

- Plant operation and chemicals
- Regional and international case studies

Day 2 Methods and tools in practice

- Energy use in water systems
- Regulation and reporting

Day 3 Diagnosis and problem solving

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

Day 4 Quality, safety and documentation

- Treatment processes
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Networks, pumping and losses
- 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)
8–19 Feb 2027	10-day classroom	Singapore	English	8,950
8–12 Mar 2027	5-day online	Live online	English	2,950
9–13 Aug 2027	5-day classroom	Dubai	Arabic	4,750
15–19 Nov 2027	5-day classroom	Geneva	English	4,750
20–24 Aug 2028	5-day classroom	Manama	English	4,750
18–29 Sep 2028	10-day classroom	Istanbul	English	8,950
19–23 Nov 2028	5-day classroom	Cairo	Arabic	4,750
11–22 Dec 2028	10-day online	Live online	English	5,450
12–16 Mar 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
15–19 Apr 2029	5-day classroom	Riyadh	Arabic	4,750
18–22 Nov 2029	5-day classroom	Kuwait City	Arabic	4,750
10–21 Dec 2029	10-day classroom	Geneva	English	8,950
4–8 Mar 2030	5-day classroom	Paris	English	4,750
6–17 May 2030	10-day online	Live online	Arabic	5,450
17–28 Jun 2030	10-day classroom	Barcelona	English	8,950
11–15 Aug 2030	5-day classroom	Doha	English	4,750

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