Garnet
Garnet Global Training Center

GGT-WT-104

Water, Wastewater & Desalination **Rare specialisation**

Thermal Desalination (MSF & MED)

التحلية الحرارية (MSF وMED)

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

Overview

Thermal Desalination (MSF & MED) focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. 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 Thermal Desalination (MSF & MED) 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

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

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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 Thermal Desalination (MSF & MED): principles and standards

- Energy use in water systems
- Regional and international case studies

Day 2 Methods and tools in practice

- Regulation and reporting
- Water quality and standards

Day 3 Diagnosis and problem solving

- Treatment processes
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Networks, pumping and losses
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Plant operation and chemicals
- Measurement and reporting

10-day outline

Day 1 Thermal Desalination (MSF & MED): principles and standards

- Energy use in water systems
- Regional and international case studies

Day 2 Methods and tools in practice

- Regulation and reporting
- Water quality and standards

Day 3 Diagnosis and problem solving

- Treatment processes
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Networks, pumping and losses
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Plant operation and chemicals
- 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)
17–28 Jan 2027	10-day classroom	Jeddah	English	8,950
3–7 May 2027	5-day classroom	Amsterdam	English	4,750
14–18 Jun 2027	5-day classroom	Abu Dhabi	Arabic	4,750
13–17 Dec 2027	5-day online	Live online	English	2,950
6–10 Mar 2028	5-day classroom	Barcelona	English	4,750
18–22 Jun 2028	5-day classroom	Doha	English	4,750
16–27 Jul 2028	10-day classroom	Manama	Arabic	8,950
11–22 Dec 2028	10-day online	Live online	English	5,450
14–25 May 2029	10-day classroom	Dubai	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
4–8 Jun 2029	5-day classroom	Vienna	English	4,750
16–20 Jul 2029	5-day online	Live online	English	2,950
16–20 Dec 2029	5-day classroom	Amman	Arabic	4,750
3–14 Jun 2030	10-day online	Live online	Arabic	5,450
8–12 Jul 2030	5-day classroom	Paris	English	4,750
1–5 Sep 2030	5-day classroom	Jeddah	Arabic	4,750
14–25 Oct 2030	10-day classroom	Abu Dhabi	Arabic	8,950

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