Garnet
Garnet Global Training Center

GGT-HV-106

HVAC, Refrigeration & Building Services

District Cooling Operations

تشغيل محطات تبريد المناطق

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

Overview

District Cooling Operations turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Design, operate and maintain the cooling, ventilation and plumbing systems that keep buildings working. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Apply the methods and standards of District Cooling Operations 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

MEP engineers, HVAC technicians, facility engineers and building services consultants. Practitioners with one to five years of experience benefit most.

Key topics

- Psychrometrics and load calculation
- Refrigeration cycles
- Air distribution and ventilation
- Controls and BMS
- Energy efficiency
- Commissioning and maintenance

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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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 District Cooling Operations: principles and standards

- Refrigeration cycles
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Air distribution and ventilation
- Controls and BMS

Day 3 Diagnosis and problem solving

- Energy efficiency
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Commissioning and maintenance
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Psychrometrics and load calculation
- Checklists and templates to take away

10-day outline

Day 1 District Cooling Operations: principles and standards

- Refrigeration cycles
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Air distribution and ventilation
- Controls and BMS

Day 3 Diagnosis and problem solving

- Energy efficiency
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Commissioning and maintenance
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Psychrometrics and load calculation
- Checklists and templates to take away

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Group discussion and peer review

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
- Measurement and reporting

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)
14–18 Mar 2027	5-day classroom	Jeddah	English	4,750
21–25 Jun 2027	5-day online	Live online	English	2,950
12–16 Jul 2027	5-day classroom	Abu Dhabi	Arabic	4,750
5–16 Dec 2027	10-day classroom	Doha	Arabic	8,950
17–28 Jan 2028	10-day classroom	Casablanca	Arabic	8,950
7–18 Aug 2028	10-day online	Live online	Arabic	5,450
11–15 Sep 2028	5-day classroom	Dubai	English	4,750
4–8 Dec 2028	5-day classroom	Istanbul	English	4,750
7–11 Jan 2029	5-day classroom	Kuwait City	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
5–9 Feb 2029	5-day online	Live online	English	2,950
2–6 Apr 2029	5-day classroom	London	English	4,750
20–31 May 2029	10-day classroom	Jeddah	Arabic	8,950
18–22 Feb 2030	5-day classroom	Amsterdam	English	4,750
8–19 Jul 2030	10-day classroom	Abu Dhabi	English	8,950
14–25 Oct 2030	10-day online	Live online	Arabic	5,450
8–12 Dec 2030	5-day classroom	Doha	Arabic	4,750

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