Garnet
Garnet Global Training Center

GGT-HV-117

HVAC, Refrigeration & Building Services

Cold Store Design & Operation

تصميم وتشغيل المخازن المبردة

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

Overview

Cold Store Design & Operation focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Design, operate and maintain the cooling, ventilation and plumbing systems that keep buildings working. 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 Cold Store Design & Operation 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

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 Cold Store Design & Operation: principles and standards

- Air distribution and ventilation
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Controls and BMS
- Energy efficiency

Day 3 Diagnosis and problem solving

- Commissioning and maintenance
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Psychrometrics and load calculation
- Measurement and reporting

Day 5 Workshop, assessment and action plan

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

10-day outline

Day 1 Cold Store Design & Operation: principles and standards

- Air distribution and ventilation
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Controls and BMS
- Energy efficiency

Day 3 Diagnosis and problem solving

- Commissioning and maintenance
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Psychrometrics and load calculation
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Refrigeration cycles
- 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)
17–21 Jan 2027	5-day classroom	Doha	Arabic	4,750
3–7 May 2027	5-day classroom	Geneva	English	4,750
2–6 Aug 2027	5-day online	Live online	English	2,950
13–24 Sep 2027	10-day classroom	Abu Dhabi	English	8,950
15–19 May 2028	5-day classroom	Istanbul	English	4,750
17–28 Sep 2028	10-day classroom	Jeddah	English	8,950
2–13 Oct 2028	10-day online	Live online	English	5,450
20–24 Nov 2028	5-day classroom	Geneva	English	4,750
15–19 Jan 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
18–29 Mar 2029	10-day classroom	Amman	English	8,950
14–18 Oct 2029	5-day classroom	Cairo	English	4,750
9–13 Dec 2029	5-day classroom	Riyadh	Arabic	4,750
1–12 Apr 2030	10-day online	Live online	English	5,450
10–14 Jun 2030	5-day classroom	Dubai	English	4,750
7–18 Jul 2030	10-day classroom	Riyadh	Arabic	8,950
16–20 Dec 2030	5-day classroom	Barcelona	English	4,750

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