Garnet
Garnet Global Training Center

GGT-HV-118

HVAC, Refrigeration & Building Services

HVAC Controls & BMS

أنظمة تحكم التكييف وإدارة المباني

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

Overview

HVAC Controls & BMS equips managers and specialists to plan, organise and control this area of work, set targets and measure results. 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

- Set up and run HVAC Controls & BMS as a managed process with clear roles.
- Lead improvement projects and measure their benefit.
- Report clearly to senior management and stakeholders.
- Manage contractors, suppliers and internal customers.
- Plan resources, budgets and schedules realistically.

Who should attend

MEP engineers, HVAC technicians, facility engineers and building services consultants. It suits supervisors, section heads and specialists who manage, or are about to manage, this area.

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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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 HVAC Controls & BMS: the management framework

- Commissioning and maintenance
- Regional and international case studies

Day 2 Planning, resources and budgets

- Psychrometrics and load calculation
- Refrigeration cycles

Day 3 Performance measurement and control

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

Day 4 Risk, compliance and improvement

- Controls and BMS
- Group discussion and peer review

Day 5 Management case study and action plan

- Energy efficiency
- Measurement and reporting

10-day outline

Day 1 HVAC Controls & BMS: the management framework

- Commissioning and maintenance
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- Psychrometrics and load calculation
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Day 3 Performance measurement and control

- Air distribution and ventilation
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Day 5 Management case study and action plan

- Energy efficiency
- 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)
11–15 Jan 2027	5-day classroom	Istanbul	English	4,750
8–12 Mar 2027	5-day online	Live online	English	2,950
20 Jun – 1 Jul 2027	10-day classroom	Doha	Arabic	8,950
9–13 Aug 2027	5-day classroom	Abu Dhabi	Arabic	4,750
21–25 Feb 2028	5-day classroom	Casablanca	Arabic	4,750
6–10 Mar 2028	5-day classroom	Abu Dhabi	Arabic	4,750
21 Aug – 1 Sep 2028	10-day classroom	London	English	8,950
4–15 Sep 2028	10-day online	Live online	Arabic	5,450
1–5 Jan 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
5–9 Mar 2029	5-day classroom	London	English	4,750
2–6 Jul 2029	5-day classroom	Geneva	English	4,750
1–12 Oct 2029	10-day classroom	Dubai	Arabic	8,950
7–18 Jan 2030	10-day classroom	Paris	English	8,950
18–22 Feb 2030	5-day classroom	Istanbul	English	4,750
8–19 Apr 2030	10-day online	Live online	Arabic	5,450
21–25 Oct 2030	5-day classroom	Abu Dhabi	Arabic	4,750

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