Garnet
Garnet Global Training Center

GGT-HV-126

HVAC, Refrigeration & Building Services **Rare specialisation**

Smoke Control Systems

أنظمة التحكم في الدخان

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

Overview

Smoke Control Systems 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. 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

- Set up and run Smoke Control Systems as a managed process with clear roles.
- Plan resources, budgets and schedules realistically.
- Define KPIs and build simple dashboards for management.
- Control risk, quality and compliance in this area.
- Lead improvement projects and measure their benefit.

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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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 Smoke Control Systems: the management framework

- Psychrometrics and load calculation
- Group discussion and peer review

Day 2 Planning, resources and budgets

- Refrigeration cycles
- Air distribution and ventilation

Day 3 Performance measurement and control

- Controls and BMS
- Measurement and reporting

Day 4 Risk, compliance and improvement

- Energy efficiency
- Hands-on workshop on a workplace challenge

Day 5 Management case study and action plan

- Commissioning and maintenance
- Common mistakes and how to avoid them

10-day outline

Day 1 Smoke Control Systems: the management framework

- Psychrometrics and load calculation
- Group discussion and peer review

Day 2 Planning, resources and budgets

- Refrigeration cycles
- Air distribution and ventilation

Day 3 Performance measurement and control

- Controls and BMS
- Measurement and reporting

Day 4 Risk, compliance and improvement

- Energy efficiency
- Hands-on workshop on a workplace challenge

Day 5 Management case study and action plan

- Commissioning and maintenance
- Common mistakes and how to avoid them

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Regional and international case studies

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
- Checklists and templates to take away

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)
4–8 Jan 2027	5-day classroom	Paris	English	4,750
1–5 Mar 2027	5-day classroom	Amsterdam	English	4,750
3–14 May 2027	10-day classroom	Singapore	English	8,950
8–12 Nov 2027	5-day online	Live online	English	2,950
6–17 Mar 2028	10-day online	Live online	Arabic	5,450
1–5 May 2028	5-day classroom	Abu Dhabi	Arabic	4,750
19–23 Jun 2028	5-day classroom	Geneva	English	4,750
16–27 Oct 2028	10-day classroom	Dubai	Arabic	8,950
19–23 Feb 2029	5-day online	Live online	Arabic	2,950

Dates	Format	City	Language	Fee (USD)
1–5 Oct 2029	5-day classroom	Istanbul	English	4,750
11–15 Nov 2029	5-day classroom	Amman	English	4,750
17–28 Dec 2029	10-day classroom	London	English	8,950
21–25 Jan 2030	5-day classroom	Abu Dhabi	English	4,750
21 Apr – 2 May 2030	10-day classroom	Kuwait City	Arabic	8,950
11–15 Aug 2030	5-day classroom	Doha	Arabic	4,750
9–20 Dec 2030	10-day online	Live online	English	5,450

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