Garnet
Garnet Global Training Center

GGT-HV-116

HVAC, Refrigeration & Building Services

# Refrigerant Management & Low-GWP Refrigerants

إدارة مركبات التبريد والبدائل منخفضة الأثر

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

## Overview

Refrigerant Management & Low-GWP Refrigerants 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 Refrigerant Management & Low-GWP Refrigerants as a managed process with clear roles.
- Control risk, quality and compliance in this area.
- Lead improvement projects and measure their benefit.
- Report clearly to senior management and stakeholders.
- Manage contractors, suppliers and internal customers.

## 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

**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 Refrigerant Management & Low-GWP Refrigerants: the management framework

- Psychrometrics and load calculation
- Hands-on workshop on a workplace challenge

### Day 2 Planning, resources and budgets

- Refrigeration cycles
- Air distribution and ventilation

### Day 3 Performance measurement and control

- Controls and BMS
- Common mistakes and how to avoid them

### Day 4 Risk, compliance and improvement

- Energy efficiency
- Regional and international case studies

### Day 5 Management case study and action plan

- Commissioning and maintenance
- Checklists and templates to take away

## 10-day outline

### Day 1 Refrigerant Management & Low-GWP Refrigerants: the management framework

- Psychrometrics and load calculation
- Hands-on workshop on a workplace challenge

### Day 2 Planning, resources and budgets

- Refrigeration cycles
- Air distribution and ventilation

### Day 3 Performance measurement and control

- Controls and BMS
- Common mistakes and how to avoid them

### Day 4 Risk, compliance and improvement

- Energy efficiency
- Regional and international case studies

### Day 5 Management case study and action plan

- Commissioning and maintenance
- 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) |
|---|---|---|---|---|
| 15–19 Feb 2027 | 5-day classroom | Dubai | English | 4,750 |
| 14–18 Jun 2027 | 5-day online | Live online | English | 2,950 |
| 19–23 Jul 2027 | 5-day classroom | Vienna | English | 4,750 |
| 11–22 Oct 2027 | 10-day classroom | Geneva | English | 8,950 |
| 10–14 Apr 2028 | 5-day classroom | Kuala Lumpur | English | 4,750 |
| 3–7 Jul 2028 | 5-day classroom | Geneva | English | 4,750 |
| 7–18 Aug 2028 | 10-day classroom | London | English | 8,950 |
| 16–27 Oct 2028 | 10-day online | Live online | English | 5,450 |
| 8–19 Apr 2029 | 10-day classroom | Doha | English | 8,950 |

| Dates | Format | City | Language | Fee (USD) |
|---|---|---|---|---|
| 4–8 Jun 2029 | 5-day classroom | Istanbul | English | 4,750 |
| 19–23 Nov 2029 | 5-day online | Live online | English | 2,950 |
| 10–14 Dec 2029 | 5-day classroom | Paris | English | 4,750 |
| 18–22 Feb 2030 | 5-day classroom | London | English | 4,750 |
| 17–21 Jun 2030 | 5-day classroom | Casablanca | English | 4,750 |
| 15–26 Jul 2030 | 10-day online | Live online | Arabic | 5,450 |
| 21 Oct – 1 Nov 2030 | 10-day classroom | Kuala Lumpur | English | 8,950 |

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