Garnet
Garnet Global Training Center

GGT-EI-113

Electrical, Instrumentation & Control

Control Valves Sizing & Maintenance

تحديد مقاسات صمامات التحكم وصيانتها

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

Overview

Control Valves Sizing & Maintenance equips managers and specialists to plan, organise and control this area of work, set targets and measure results. Power, protection and automation skills for plants, utilities and smart infrastructure. 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

- Set up and run Control Valves Sizing & Maintenance as a managed process with clear roles.
- Manage contractors, suppliers and internal customers.
- Plan resources, budgets and schedules realistically.
- Define KPIs and build simple dashboards for management.
- Control risk, quality and compliance in this area.

Who should attend

Electrical, instrumentation and control engineers, technicians and maintenance leads. It suits supervisors, section heads and specialists who manage, or are about to manage, this area.

Key topics

- Power system fundamentals and studies
- Protection, earthing and safety
- Control system architecture
- Field devices and loop checking
- IEC and IEEE standards
- Troubleshooting with real fault records

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 Control Valves Sizing & Maintenance: the management framework

- Power system fundamentals and studies
- Measurement and reporting

Day 2 Planning, resources and budgets

- Protection, earthing and safety
- Control system architecture

Day 3 Performance measurement and control

- Field devices and loop checking
- Hands-on workshop on a workplace challenge

Day 4 Risk, compliance and improvement

- IEC and IEEE standards
- Common mistakes and how to avoid them

Day 5 Management case study and action plan

- Troubleshooting with real fault records
- Regional and international case studies

10-day outline

Day 1 Control Valves Sizing & Maintenance: the management framework

- Power system fundamentals and studies
- Measurement and reporting

Day 2 Planning, resources and budgets

- Protection, earthing and safety
- Control system architecture

Day 3 Performance measurement and control

- Field devices and loop checking
- Hands-on workshop on a workplace challenge

Day 4 Risk, compliance and improvement

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- Common mistakes and how to avoid them

Day 5 Management case study and action plan

- Troubleshooting with real fault records
- Regional and international case studies

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Checklists and templates to take away

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
- Group discussion and peer review

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)
5–9 Apr 2027	5-day online	Live online	English	2,950
21–25 Jun 2027	5-day classroom	Dubai	English	4,750
7–11 Nov 2027	5-day classroom	Jeddah	Arabic	4,750
6–17 Dec 2027	10-day classroom	Kuala Lumpur	English	8,950
13–17 Mar 2028	5-day classroom	Paris	English	4,750
3–14 Apr 2028	10-day classroom	Abu Dhabi	English	8,950
11–22 Sep 2028	10-day online	Live online	English	5,450
16–20 Oct 2028	5-day classroom	Geneva	English	4,750
16–20 Apr 2029	5-day online	Live online	Arabic	2,950

Dates	Format	City	Language	Fee (USD)
21–25 May 2029	5-day classroom	Casablanca	Arabic	4,750
10–14 Jun 2029	5-day classroom	Cairo	English	4,750
4–15 Nov 2029	10-day classroom	Doha	English	8,950
6–10 Jan 2030	5-day classroom	Riyadh	Arabic	4,750
11–22 Mar 2030	10-day classroom	Paris	English	8,950
17–21 Jun 2030	5-day classroom	Dubai	English	4,750
8–19 Jul 2030	10-day online	Live online	Arabic	5,450

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