Garnet
Garnet Global Training Center

GGT-EI-114

Electrical, Instrumentation & Control

Electrical Installations & Wiring Regulations

التمديدات الكهربائية واشتراطاتها

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

Overview

Participants in Electrical Installations & Wiring Regulations practise the methods, tools and standards they need to perform reliably and solve problems on the job. Power, protection and automation skills for plants, utilities and smart infrastructure. 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

- Apply the methods and standards of Electrical Installations & Wiring Regulations to real tasks.
- Follow safe, compliant and documented work practices.
- 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.

Who should attend

Electrical, instrumentation and control engineers, technicians and maintenance leads. Practitioners with one to five years of experience benefit most.

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 Electrical Installations & Wiring Regulations: principles and standards

- Control system architecture
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Field devices and loop checking
- IEC and IEEE standards

Day 3 Diagnosis and problem solving

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

Day 4 Quality, safety and documentation

- Power system fundamentals and studies
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Protection, earthing and safety
- Group discussion and peer review

10-day outline

Day 1 Electrical Installations & Wiring Regulations: principles and standards

- Control system architecture
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Field devices and loop checking
- IEC and IEEE standards

Day 3 Diagnosis and problem solving

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

Day 4 Quality, safety and documentation

- Power system fundamentals and studies
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Protection, earthing and safety
- Group discussion and peer review

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Measurement and reporting

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
- Hands-on workshop on a workplace challenge

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)
11–22 Jan 2027	10-day classroom	London	English	8,950
15–19 Feb 2027	5-day classroom	Amsterdam	English	4,750
19–23 Apr 2027	5-day online	Live online	English	2,950
6–10 Dec 2027	5-day classroom	Dubai	English	4,750
9–13 Jan 2028	5-day classroom	Jeddah	English	4,750
6–17 Mar 2028	10-day online	Live online	English	5,450
4–15 Jun 2028	10-day classroom	Riyadh	English	8,950
5–9 Nov 2028	5-day classroom	Doha	English	4,750
11–22 Mar 2029	10-day classroom	Amman	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
2–6 Apr 2029	5-day online	Live online	Arabic	2,950
10–14 Sep 2029	5-day classroom	Dubai	Arabic	4,750
3–7 Dec 2029	5-day classroom	Istanbul	English	4,750
3–14 Mar 2030	10-day classroom	Muscat	Arabic	8,950
15–19 Apr 2030	5-day classroom	Casablanca	English	4,750
2–13 Sep 2030	10-day online	Live online	Arabic	5,450
3–7 Nov 2030	5-day classroom	Kuwait City	English	4,750

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