Garnet
Garnet Global Training Center

GGT-EI-131

Electrical, Instrumentation & Control

Electrical Maintenance of Motors

الصيانة الكهربائية للمحركات

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

Overview

Electrical Maintenance of Motors focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. 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 Maintenance of Motors to real tasks.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.

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 Maintenance of Motors: principles and standards

- IEC and IEEE standards
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Troubleshooting with real fault records
- Power system fundamentals and studies

Day 3 Diagnosis and problem solving

- Protection, earthing and safety
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Control system architecture
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Field devices and loop checking
- Checklists and templates to take away

10-day outline

Day 1 Electrical Maintenance of Motors: principles and standards

- IEC and IEEE standards
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Troubleshooting with real fault records
- Power system fundamentals and studies

Day 3 Diagnosis and problem solving

- Protection, earthing and safety
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Control system architecture
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Field devices and loop checking
- 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)
18–22 Jan 2027	5-day online	Live online	English	2,950
13–24 Sep 2027	10-day classroom	Amsterdam	English	8,950
1–5 Nov 2027	5-day classroom	Istanbul	English	4,750
12–16 Dec 2027	5-day classroom	Riyadh	Arabic	4,750
10–21 Jan 2028	10-day classroom	Amsterdam	English	8,950
1–5 May 2028	5-day classroom	London	English	4,750
13–17 Aug 2028	5-day classroom	Doha	Arabic	4,750
6–17 Nov 2028	10-day online	Live online	English	5,450
19–23 Feb 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
12–16 Mar 2029	5-day classroom	Dubai	English	4,750
15–19 Apr 2029	5-day classroom	Riyadh	English	4,750
1–12 Jul 2029	10-day classroom	Manama	English	8,950
17–28 Feb 2030	10-day classroom	Cairo	Arabic	8,950
15–26 Apr 2030	10-day online	Live online	Arabic	5,450
1–5 Sep 2030	5-day classroom	Manama	English	4,750
15–19 Dec 2030	5-day classroom	Riyadh	English	4,750

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