Garnet
Garnet Global Training Center

GGT-EI-120

Electrical, Instrumentation & Control

Medium Voltage Switchgear Safety

السلامة في مفاتيح الجهد المتوسط

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

Overview

Medium Voltage Switchgear Safety 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. 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

- Apply the methods and standards of Medium Voltage Switchgear Safety 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

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 Medium Voltage Switchgear Safety: principles and standards

- IEC and IEEE standards
- Regional and international case studies

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
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Control system architecture
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Field devices and loop checking
- Measurement and reporting

10-day outline

Day 1 Medium Voltage Switchgear Safety: principles and standards

- IEC and IEEE standards
- Regional and international case studies

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
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Control system architecture
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Field devices and loop checking
- Measurement and reporting

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Hands-on workshop on a workplace challenge

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
- Common mistakes and how to avoid them

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 online	Live online	English	2,950
1–12 Feb 2027	10-day classroom	Dubai	Arabic	8,950
18–22 Jul 2027	5-day classroom	Jeddah	Arabic	4,750
19–23 Dec 2027	5-day classroom	Cairo	English	4,750
16–20 Jan 2028	5-day classroom	Cairo	Arabic	4,750
5–16 Mar 2028	10-day classroom	Manama	English	8,950
16–20 Apr 2028	5-day classroom	Riyadh	English	4,750
6–17 Nov 2028	10-day online	Live online	Arabic	5,450
1–12 Jan 2029	10-day classroom	Dubai	English	8,950

Dates	Format	City	Language	Fee (USD)
2–6 Apr 2029	5-day classroom	Vienna	English	4,750
13–17 Aug 2029	5-day classroom	Istanbul	English	4,750
15–19 Oct 2029	5-day online	Live online	Arabic	2,950
13–17 May 2030	5-day classroom	Istanbul	English	4,750
9–13 Sep 2030	5-day classroom	Singapore	English	4,750
20–31 Oct 2030	10-day classroom	Jeddah	English	8,950
2–13 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/