Garnet
Garnet Global Training Center

GGT-PG-133

Power Generation & Utilities **Rare specialisation** **New from 2028**

Microgrids

الشبكات الصغيرة

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

Overview

Microgrids focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Operation and maintenance of power plants, grids and utility services. 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 Microgrids to real tasks.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.

Who should attend

Power plant engineers, operators, utility planners and grid specialists. Practitioners with one to five years of experience benefit most.

Key topics

- Thermodynamics and plant performance
- Boilers, turbines and generators
- Grid operation and dispatch
- Reliability and outage planning
- Emissions and environmental compliance
- Plant case studies

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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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 Microgrids: principles and standards
- Emissions and environmental compliance
- Group discussion and peer review

Day 2 Methods and tools in practice
- Plant case studies
- Thermodynamics and plant performance

Day 3 Diagnosis and problem solving
- Boilers, turbines and generators
- Measurement and reporting

Day 4 Quality, safety and documentation
- Grid operation and dispatch
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan
- Reliability and outage planning
- Common mistakes and how to avoid them

10-day outline

Day 1 Microgrids: principles and standards
- Emissions and environmental compliance
- Group discussion and peer review

Day 2 Methods and tools in practice
- Plant case studies
- Thermodynamics and plant performance

Day 3 Diagnosis and problem solving
- Boilers, turbines and generators
- Measurement and reporting

Day 4 Quality, safety and documentation
- Grid operation and dispatch
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan
- Reliability and outage planning
- Common mistakes and how to avoid them

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Regional and international case studies

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
- Checklists and templates to take away

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)
3–7 Apr 2028	5-day classroom	Geneva	English	4,750
18–22 Jun 2028	5-day classroom	Jeddah	English	4,750
17–28 Sep 2028	10-day classroom	Riyadh	English	8,950
20 Nov – 1 Dec 2028	10-day online	Live online	English	5,450
19–23 Feb 2029	5-day online	Live online	Arabic	2,950
1–5 Apr 2029	5-day classroom	Kuwait City	English	4,750
3–7 Jun 2029	5-day classroom	Riyadh	Arabic	4,750
10–21 Sep 2029	10-day classroom	Istanbul	English	8,950
13–17 Jan 2030	5-day classroom	Amman	Arabic	4,750
21 Apr – 2 May 2030	10-day classroom	Cairo	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
6–17 May 2030	10-day online	Live online	English	5,450
16–20 Dec 2030	5-day classroom	Istanbul	English	4,750

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