Garnet
Garnet Global Training Center

GGT-PG-111

Power Generation & Utilities **New from 2028**

Grid Integration of Renewables

ربط الطاقة المتجددة بالشبكة

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

Overview

Grid Integration of Renewables 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 Grid Integration of Renewables 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

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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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 Grid Integration of Renewables: principles and standards

- Plant case studies
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Thermodynamics and plant performance
- Boilers, turbines and generators

Day 3 Diagnosis and problem solving

- Grid operation and dispatch
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Reliability and outage planning
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Emissions and environmental compliance
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Grid Integration of Renewables: principles and standards

- Plant case studies
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Thermodynamics and plant performance
- Boilers, turbines and generators

Day 3 Diagnosis and problem solving

- Grid operation and dispatch
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Reliability and outage planning
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Emissions and environmental compliance
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Common mistakes and how to avoid them

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
- Regional and international case studies

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)
2–13 Jan 2028	10-day classroom	Muscat	English	8,950
20–24 Feb 2028	5-day classroom	Cairo	English	4,750
21–25 May 2028	5-day classroom	Riyadh	Arabic	4,750
11–22 Dec 2028	10-day online	Live online	English	5,450
8–19 Jan 2029	10-day classroom	Dubai	English	8,950
2–6 Apr 2029	5-day online	Live online	English	2,950
9–13 Jul 2029	5-day classroom	Barcelona	English	4,750
12–16 Aug 2029	5-day classroom	Cairo	Arabic	4,750
7–18 Jan 2030	10-day online	Live online	English	5,450

Dates	Format	City	Language	Fee (USD)
4–15 Feb 2030	10-day classroom	London	English	8,950
1–5 Jul 2030	5-day classroom	Amsterdam	English	4,750
18–22 Nov 2030	5-day classroom	Abu Dhabi	English	4,750

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