Garnet
Garnet Global Training Center

GGT-PG-101

Power Generation & Utilities

Combined Cycle Power Plant Operation

تشغيل محطات الدورة المركبة

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

Overview

Combined Cycle Power Plant Operation 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. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Apply the methods and standards of Combined Cycle Power Plant Operation to real tasks.
- 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.
- Diagnose common problems and identify root causes.

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 Combined Cycle Power Plant Operation: principles and standards

- Grid operation and dispatch
- Measurement and reporting

Day 2 Methods and tools in practice

- Reliability and outage planning
- Emissions and environmental compliance

Day 3 Diagnosis and problem solving

- Plant case studies
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Thermodynamics and plant performance
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Boilers, turbines and generators
- Regional and international case studies

10-day outline

Day 1 Combined Cycle Power Plant Operation: principles and standards

- Grid operation and dispatch
- Measurement and reporting

Day 2 Methods and tools in practice

- Reliability and outage planning
- Emissions and environmental compliance

Day 3 Diagnosis and problem solving

- Plant case studies
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Thermodynamics and plant performance
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Boilers, turbines and generators
- Regional and international case studies

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Checklists and templates to take away

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
- Group discussion and peer review

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)
17–28 Jan 2027	10-day classroom	Doha	English	8,950
7–11 Mar 2027	5-day classroom	Riyadh	English	4,750
6–10 Sep 2027	5-day online	Live online	Arabic	2,950
7–11 Nov 2027	5-day classroom	Kuwait City	Arabic	4,750
16–27 Jan 2028	10-day classroom	Riyadh	Arabic	8,950
1–5 May 2028	5-day classroom	Singapore	English	4,750
3–7 Jul 2028	5-day classroom	Barcelona	English	4,750
20 Nov – 1 Dec 2028	10-day online	Live online	Arabic	5,450
19–23 Aug 2029	5-day classroom	Amman	English	4,750

Dates	Format	City	Language	Fee (USD)
2–6 Sep 2029	5-day classroom	Riyadh	English	4,750
15–19 Oct 2029	5-day online	Live online	Arabic	2,950
17–28 Dec 2029	10-day classroom	London	English	8,950
21–25 Apr 2030	5-day classroom	Kuwait City	English	4,750
3–14 Jun 2030	10-day online	Live online	Arabic	5,450
19–23 Aug 2030	5-day classroom	London	English	4,750
21 Oct – 1 Nov 2030	10-day classroom	Barcelona	English	8,950

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