Garnet
Garnet Global Training Center

GGT-PG-109

Power Generation & Utilities

Cogeneration & District Cooling

التوليد المشترك وتبريد المناطق

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

Overview

Cogeneration & District Cooling 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 Cogeneration & District Cooling to real tasks.
- Share good practice with your team.
- 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.

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 Cogeneration & District Cooling: principles and standards
- Thermodynamics and plant performance
- Checklists and templates to take away

Day 2 Methods and tools in practice
- Boilers, turbines and generators
- Grid operation and dispatch

Day 3 Diagnosis and problem solving
- Reliability and outage planning
- Group discussion and peer review

Day 4 Quality, safety and documentation
- Emissions and environmental compliance
- Measurement and reporting

Day 5 Workshop, assessment and action plan
- Plant case studies
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Cogeneration & District Cooling: principles and standards
- Thermodynamics and plant performance
- Checklists and templates to take away

Day 2 Methods and tools in practice
- Boilers, turbines and generators
- Grid operation and dispatch

Day 3 Diagnosis and problem solving
- Reliability and outage planning
- Group discussion and peer review

Day 4 Quality, safety and documentation
- Emissions and environmental compliance
- Measurement and reporting

Day 5 Workshop, assessment and action plan
- Plant case studies
- 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)
12–16 Apr 2027	5-day online	Live online	English	2,950
18–22 Jul 2027	5-day classroom	Riyadh	English	4,750
16–27 Aug 2027	10-day classroom	Casablanca	English	8,950
14–18 Nov 2027	5-day classroom	Doha	Arabic	4,750
9–13 Jul 2028	5-day classroom	Doha	Arabic	4,750
21–25 Aug 2028	5-day classroom	Amsterdam	English	4,750
18–29 Sep 2028	10-day classroom	Kuala Lumpur	English	8,950
11–22 Dec 2028	10-day online	Live online	English	5,450
11–15 Feb 2029	5-day classroom	Manama	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
2–6 Apr 2029	5-day online	Live online	English	2,950
21–25 May 2029	5-day classroom	Istanbul	English	4,750
13–24 Aug 2029	10-day classroom	Dubai	English	8,950
4–15 Mar 2030	10-day online	Live online	Arabic	5,450
5–16 Aug 2030	10-day classroom	Singapore	English	8,950
21–25 Oct 2030	5-day classroom	Istanbul	English	4,750
17–21 Nov 2030	5-day classroom	Muscat	Arabic	4,750

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