Garnet
Garnet Global Training Center

GGT-PG-106

Power Generation & Utilities

Power Plant Performance & Heat Rate

أداء المحطات والمعدل الحراري

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

Overview

Power Plant Performance & Heat Rate turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Operation and maintenance of power plants, grids and utility services. 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 Power Plant Performance & Heat Rate 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

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 Power Plant Performance & Heat Rate: principles and standards

- Grid operation and dispatch
- Group discussion and peer review

Day 2 Methods and tools in practice

- Reliability and outage planning
- Emissions and environmental compliance

Day 3 Diagnosis and problem solving

- Plant case studies
- Measurement and reporting

Day 4 Quality, safety and documentation

- Thermodynamics and plant performance
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Boilers, turbines and generators
- Common mistakes and how to avoid them

10-day outline

Day 1 Power Plant Performance & Heat Rate: principles and standards

- Grid operation and dispatch
- Group discussion and peer review

Day 2 Methods and tools in practice

- Reliability and outage planning
- Emissions and environmental compliance

Day 3 Diagnosis and problem solving

- Plant case studies
- Measurement and reporting

Day 4 Quality, safety and documentation

- Thermodynamics and plant performance
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Boilers, turbines and generators
- 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)
1–5 Feb 2027	5-day online	Live online	English	2,950
9–20 May 2027	10-day classroom	Jeddah	Arabic	8,950
14–18 Jun 2027	5-day classroom	Dubai	Arabic	4,750
2–6 Aug 2027	5-day classroom	London	English	4,750
7–11 Feb 2028	5-day classroom	Abu Dhabi	Arabic	4,750
17–28 Apr 2028	10-day online	Live online	English	5,450
5–16 Jun 2028	10-day classroom	Paris	English	8,950
14–18 Aug 2028	5-day classroom	Vienna	English	4,750
21–25 May 2029	5-day classroom	Vienna	English	4,750

Dates	Format	City	Language	Fee (USD)
2–13 Jul 2029	10-day classroom	Singapore	English	8,950
6–10 Aug 2029	5-day online	Live online	English	2,950
10–14 Dec 2029	5-day classroom	Paris	English	4,750
4–8 Feb 2030	5-day classroom	Paris	English	4,750
9–13 Jun 2030	5-day classroom	Cairo	English	4,750
8–19 Jul 2030	10-day online	Live online	English	5,450
12–23 Aug 2030	10-day classroom	London	English	8,950

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