Garnet
Garnet Global Training Center

GGT-PG-103

Power Generation & Utilities

Gas Turbine Technology

تكنولوجيا التوربينات الغازية

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

Overview

Gas Turbine Technology 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. 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 Gas Turbine Technology 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 Gas Turbine Technology: principles and standards

- Emissions and environmental compliance
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Plant case studies
- Thermodynamics and plant performance

Day 3 Diagnosis and problem solving

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

Day 4 Quality, safety and documentation

- Grid operation and dispatch
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Reliability and outage planning
- Group discussion and peer review

10-day outline

Day 1 Gas Turbine Technology: principles and standards

- Emissions and environmental compliance
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Plant case studies
- Thermodynamics and plant performance

Day 3 Diagnosis and problem solving

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

Day 4 Quality, safety and documentation

- Grid operation and dispatch
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Reliability and outage planning
- Group discussion and peer review

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Measurement and reporting

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
- Hands-on workshop on a workplace challenge

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)
14–18 Mar 2027	5-day classroom	Jeddah	Arabic	4,750
11–22 Apr 2027	10-day classroom	Riyadh	Arabic	8,950
12–16 Jul 2027	5-day online	Live online	Arabic	2,950
3–7 Oct 2027	5-day classroom	Doha	Arabic	4,750
3–14 Jan 2028	10-day online	Live online	English	5,450
10–14 Apr 2028	5-day classroom	Kuala Lumpur	English	4,750
8–19 May 2028	10-day classroom	Dubai	English	8,950
8–12 Oct 2028	5-day classroom	Riyadh	English	4,750
19–23 Feb 2029	5-day classroom	Dubai	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
5–9 Mar 2029	5-day classroom	London	English	4,750
16–27 Jul 2029	10-day classroom	Kuala Lumpur	English	8,950
15–19 Oct 2029	5-day online	Live online	Arabic	2,950
6–10 May 2030	5-day classroom	Dubai	English	4,750
15–19 Jul 2030	5-day classroom	Casablanca	Arabic	4,750
9–20 Sep 2030	10-day online	Live online	Arabic	5,450
16–27 Dec 2030	10-day classroom	Amsterdam	English	8,950

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