Garnet
Garnet Global Training Center

GGT-PG-102

Power Generation & Utilities

Steam Turbine Operation & Maintenance

تشغيل وصيانة التوربينات البخارية

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

Overview

Participants in Steam Turbine Operation & Maintenance practise the methods, tools and standards they need to perform reliably and solve problems on the job. 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 Steam Turbine Operation & Maintenance 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 Steam Turbine Operation & Maintenance: principles and standards
- Grid operation and dispatch
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Reliability and outage planning
- Emissions and environmental compliance

Day 3 Diagnosis and problem solving
- Plant case studies
- Regional and international case studies

Day 4 Quality, safety and documentation
- Thermodynamics and plant performance
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Boilers, turbines and generators
- Group discussion and peer review

10-day outline

Day 1 Steam Turbine Operation & Maintenance: principles and standards
- Grid operation and dispatch
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Reliability and outage planning
- Emissions and environmental compliance

Day 3 Diagnosis and problem solving
- Plant case studies
- Regional and international case studies

Day 4 Quality, safety and documentation
- Thermodynamics and plant performance
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Boilers, turbines and generators
- 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)
17–21 Jan 2027	5-day classroom	Jeddah	Arabic	4,750
12–16 Apr 2027	5-day online	Live online	Arabic	2,950
7–18 Jun 2027	10-day classroom	Istanbul	English	8,950
6–10 Dec 2027	5-day classroom	London	English	4,750
6–10 Feb 2028	5-day classroom	Riyadh	Arabic	4,750
6–10 Mar 2028	5-day classroom	Abu Dhabi	English	4,750
3–14 Jul 2028	10-day online	Live online	Arabic	5,450
4–15 Dec 2028	10-day classroom	Kuala Lumpur	English	8,950
15–19 Jan 2029	5-day classroom	Dubai	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
5–9 Feb 2029	5-day classroom	Istanbul	English	4,750
2–6 Jul 2029	5-day online	Live online	Arabic	2,950
8–19 Oct 2029	10-day classroom	Abu Dhabi	Arabic	8,950
14–25 Jan 2030	10-day online	Live online	English	5,450
10–14 Jun 2030	5-day classroom	London	English	4,750
4–15 Aug 2030	10-day classroom	Kuwait City	Arabic	8,950
9–13 Dec 2030	5-day classroom	Casablanca	Arabic	4,750

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