Garnet
Garnet Global Training Center

GGT-PG-122

Power Generation & Utilities

Cooling Towers & Condensers

أبراج التبريد والمكثفات

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

Overview

Cooling Towers & Condensers 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. 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 Cooling Towers & Condensers 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

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 Cooling Towers & Condensers: 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 Cooling Towers & Condensers: 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)
10–14 May 2027	5-day online	Live online	Arabic	2,950
5–16 Jul 2027	10-day classroom	Dubai	English	8,950
19–23 Sep 2027	5-day classroom	Manama	Arabic	4,750
6–10 Dec 2027	5-day classroom	Istanbul	English	4,750
9–13 Jan 2028	5-day classroom	Riyadh	English	4,750
6–17 Mar 2028	10-day online	Live online	Arabic	5,450
17–21 Jul 2028	5-day classroom	London	English	4,750
11–22 Sep 2028	10-day classroom	Dubai	English	8,950
1–5 Jan 2029	5-day classroom	Geneva	English	4,750

Dates	Format	City	Language	Fee (USD)
18–29 Jun 2029	10-day classroom	Paris	English	8,950
9–13 Jul 2029	5-day classroom	Casablanca	English	4,750
3–7 Dec 2029	5-day online	Live online	English	2,950
1–12 Apr 2030	10-day online	Live online	Arabic	5,450
16–20 Jun 2030	5-day classroom	Kuwait City	English	4,750
19–23 Aug 2030	5-day classroom	Barcelona	English	4,750
4–15 Nov 2030	10-day classroom	Dubai	English	8,950

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