Garnet
Garnet Global Training Center

GGT-PG-115

Power Generation & Utilities **Rare specialisation**

Hydropower Plants

محطات الطاقة الكهرومائية

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

Overview

Hydropower Plants 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 Hydropower Plants to real tasks.
- 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.
- Follow safe, compliant and documented work practices.

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 Hydropower Plants: principles and standards
- Reliability and outage planning
- Checklists and templates to take away

Day 2 Methods and tools in practice
- Emissions and environmental compliance
- Plant case studies

Day 3 Diagnosis and problem solving
- Thermodynamics and plant performance
- Group discussion and peer review

Day 4 Quality, safety and documentation
- Boilers, turbines and generators
- Measurement and reporting

Day 5 Workshop, assessment and action plan
- Grid operation and dispatch
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Hydropower Plants: principles and standards
- Reliability and outage planning
- Checklists and templates to take away

Day 2 Methods and tools in practice
- Emissions and environmental compliance
- Plant case studies

Day 3 Diagnosis and problem solving
- Thermodynamics and plant performance
- Group discussion and peer review

Day 4 Quality, safety and documentation
- Boilers, turbines and generators
- Measurement and reporting

Day 5 Workshop, assessment and action plan
- Grid operation and dispatch
- 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)
1–5 Feb 2027	5-day classroom	Paris	English	4,750
8–12 Mar 2027	5-day online	Live online	Arabic	2,950
7–18 Nov 2027	10-day classroom	Riyadh	English	8,950
6–10 Dec 2027	5-day classroom	Singapore	English	4,750
13–24 Mar 2028	10-day online	Live online	Arabic	5,450
7–11 May 2028	5-day classroom	Riyadh	English	4,750
3–7 Jul 2028	5-day classroom	Barcelona	English	4,750
18–29 Dec 2028	10-day classroom	Kuala Lumpur	English	8,950
15–19 Apr 2029	5-day classroom	Riyadh	English	4,750
13–24 May 2029	10-day classroom	Jeddah	English	8,950

Dates	Format	City	Language	Fee (USD)
2–6 Jul 2029	5-day classroom	Dubai	English	4,750
13–17 Aug 2029	5-day online	Live online	English	2,950
21–25 Jan 2030	5-day classroom	Vienna	English	4,750
8–12 Jul 2030	5-day classroom	London	English	4,750
19–30 Aug 2030	10-day online	Live online	English	5,450
16–27 Dec 2030	10-day classroom	Casablanca	Arabic	8,950

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