Garnet
Garnet Global Training Center

GGT-PG-118

Power Generation & Utilities

Distribution Network Automation

أتمتة شبكات التوزيع

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

Overview

Distribution Network Automation 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 Distribution Network Automation to real tasks.
- Follow safe, compliant and documented work practices.
- 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.

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 Distribution Network Automation: principles and standards

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

Day 2 Methods and tools in practice

- Grid operation and dispatch
- Reliability and outage planning

Day 3 Diagnosis and problem solving

- Emissions and environmental compliance
- Regional and international case studies

Day 4 Quality, safety and documentation

- Plant case studies
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Thermodynamics and plant performance
- Group discussion and peer review

10-day outline

Day 1 Distribution Network Automation: principles and standards

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

Day 2 Methods and tools in practice

- Grid operation and dispatch
- Reliability and outage planning

Day 3 Diagnosis and problem solving

- Emissions and environmental compliance
- Regional and international case studies

Day 4 Quality, safety and documentation

- Plant case studies
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Thermodynamics and plant performance
- 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)
1–12 Feb 2027	10-day classroom	Vienna	English	8,950
19–23 Jul 2027	5-day classroom	Geneva	English	4,750
16–20 Aug 2027	5-day online	Live online	English	2,950
12–16 Dec 2027	5-day classroom	Riyadh	English	4,750
13–24 Mar 2028	10-day classroom	Abu Dhabi	English	8,950
5–9 Jun 2028	5-day classroom	Paris	English	4,750
10–21 Jul 2028	10-day online	Live online	Arabic	5,450
6–10 Nov 2028	5-day classroom	Casablanca	English	4,750
19 Feb – 2 Mar 2029	10-day classroom	Paris	English	8,950

Dates	Format	City	Language	Fee (USD)
14–18 May 2029	5-day online	Live online	English	2,950
13–17 Aug 2029	5-day classroom	Casablanca	Arabic	4,750
10–14 Sep 2029	5-day classroom	Dubai	Arabic	4,750
2–6 Sep 2030	5-day classroom	Dubai	Arabic	4,750
14–18 Oct 2030	5-day classroom	Abu Dhabi	English	4,750
4–15 Nov 2030	10-day classroom	London	English	8,950
2–13 Dec 2030	10-day online	Live online	English	5,450

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