Garnet
Garnet Global Training Center

GGT-CH-129

Chemical & Process Engineering

P&ID Reading & Development

قراءة وإعداد مخططات الأنابيب والأجهزة (P&ID)

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

Overview

P&ID Reading & Development turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Process design, control and optimisation for chemical, petrochemical and fertiliser plants. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Apply the methods and standards of P&ID Reading & Development 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

Process and chemical engineers, plant operators and technical service teams. Practitioners with one to five years of experience benefit most.

Key topics

- Mass and energy balances
- Unit operations
- Process control
- Simulation and optimisation
- Catalysts and reactions
- Troubleshooting

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 P&ID Reading & Development: principles and standards

- Troubleshooting
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Mass and energy balances
- Unit operations

Day 3 Diagnosis and problem solving

- Process control
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Simulation and optimisation
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Catalysts and reactions
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 P&ID Reading & Development: principles and standards

- Troubleshooting
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Mass and energy balances
- Unit operations

Day 3 Diagnosis and problem solving

- Process control
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Simulation and optimisation
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Catalysts and reactions
- 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)
4–8 Jan 2027	5-day online	Live online	Arabic	2,950
8–12 Feb 2027	5-day classroom	Barcelona	English	4,750
8–19 Mar 2027	10-day classroom	Dubai	Arabic	8,950
5–9 Jul 2027	5-day classroom	Abu Dhabi	Arabic	4,750
13–24 Mar 2028	10-day online	Live online	English	5,450
15–19 May 2028	5-day classroom	Abu Dhabi	English	4,750
19–23 Jun 2028	5-day classroom	Kuala Lumpur	English	4,750
10–21 Jul 2028	10-day classroom	Dubai	English	8,950
3–7 Jun 2029	5-day classroom	Kuwait City	English	4,750

Dates	Format	City	Language	Fee (USD)
20–31 Aug 2029	10-day classroom	Dubai	English	8,950
5–9 Nov 2029	5-day online	Live online	English	2,950
16–20 Dec 2029	5-day classroom	Cairo	English	4,750
7–18 Jan 2030	10-day online	Live online	Arabic	5,450
11–15 Mar 2030	5-day classroom	Dubai	Arabic	4,750
5–16 May 2030	10-day classroom	Kuwait City	English	8,950
2–6 Sep 2030	5-day classroom	London	English	4,750

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