Garnet
Garnet Global Training Center

GGT-MM-114

Mechanical, Maintenance & Reliability

Hydraulic & Pneumatic Systems

الأنظمة الهيدروليكية والهوائية

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

Overview

Participants in Hydraulic & Pneumatic Systems practise the methods, tools and standards they need to perform reliably and solve problems on the job. Keep equipment running longer, fail less and plan maintenance on evidence instead of habit. 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 Hydraulic & Pneumatic Systems to real tasks.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.

Who should attend

Mechanical and maintenance engineers, reliability specialists, planners and workshop supervisors. Practitioners with one to five years of experience benefit most.

Key topics

- Failure modes and degradation mechanisms
- Condition monitoring techniques
- Maintenance strategy and planning
- Spare parts and work order discipline
- Reliability metrics: MTBF, MTTR, OEE
- CMMS data and continuous improvement

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 Hydraulic & Pneumatic Systems: principles and standards

- Spare parts and work order discipline
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Reliability metrics: MTBF, MTTR, OEE
- CMMS data and continuous improvement

Day 3 Diagnosis and problem solving

- Failure modes and degradation mechanisms
- Regional and international case studies

Day 4 Quality, safety and documentation

- Condition monitoring techniques
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Maintenance strategy and planning
- Group discussion and peer review

10-day outline

Day 1 Hydraulic & Pneumatic Systems: principles and standards

- Spare parts and work order discipline
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Reliability metrics: MTBF, MTTR, OEE
- CMMS data and continuous improvement

Day 3 Diagnosis and problem solving

- Failure modes and degradation mechanisms
- Regional and international case studies

Day 4 Quality, safety and documentation

- Condition monitoring techniques
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Maintenance strategy and planning
- 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)
18–22 Jan 2027	5-day classroom	Dubai	English	4,750
2–6 May 2027	5-day classroom	Cairo	Arabic	4,750
12–16 Jul 2027	5-day online	Live online	Arabic	2,950
15–26 Aug 2027	10-day classroom	Jeddah	English	8,950
13–17 Feb 2028	5-day classroom	Cairo	Arabic	4,750
5–16 Jun 2028	10-day online	Live online	English	5,450
3–7 Sep 2028	5-day classroom	Muscat	English	4,750
15–26 Oct 2028	10-day classroom	Riyadh	English	8,950
4–15 Feb 2029	10-day classroom	Cairo	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
6–10 Aug 2029	5-day classroom	London	English	4,750
8–12 Oct 2029	5-day online	Live online	Arabic	2,950
17–21 Dec 2029	5-day classroom	Kuala Lumpur	English	4,750
18–22 Mar 2030	5-day classroom	Istanbul	English	4,750
18–22 Aug 2030	5-day classroom	Riyadh	Arabic	4,750
7–18 Oct 2030	10-day online	Live online	Arabic	5,450
18–29 Nov 2030	10-day classroom	London	English	8,950

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