Garnet
Garnet Global Training Center

GGT-MM-116

Mechanical, Maintenance & Reliability

Reciprocating Compressors

الضواغط الترددية

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

Overview

Reciprocating Compressors focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. 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 Reciprocating Compressors 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

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

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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 Reciprocating Compressors: principles and standards

- Condition monitoring techniques
- Group discussion and peer review

Day 2 Methods and tools in practice

- Maintenance strategy and planning
- Spare parts and work order discipline

Day 3 Diagnosis and problem solving

- Reliability metrics: MTBF, MTTR, OEE
- Measurement and reporting

Day 4 Quality, safety and documentation

- CMMS data and continuous improvement
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Failure modes and degradation mechanisms
- Common mistakes and how to avoid them

10-day outline

Day 1 Reciprocating Compressors: principles and standards

- Condition monitoring techniques
- Group discussion and peer review

Day 2 Methods and tools in practice

- Maintenance strategy and planning
- Spare parts and work order discipline

Day 3 Diagnosis and problem solving

- Reliability metrics: MTBF, MTTR, OEE
- Measurement and reporting

Day 4 Quality, safety and documentation

- CMMS data and continuous improvement
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Failure modes and degradation mechanisms
- 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)
13–24 Sep 2027	10-day classroom	Casablanca	Arabic	8,950
17–21 Oct 2027	5-day classroom	Riyadh	Arabic	4,750
7–11 Nov 2027	5-day classroom	Muscat	English	4,750
20–24 Dec 2027	5-day online	Live online	Arabic	2,950
20–31 Mar 2028	10-day classroom	Paris	English	8,950
2–6 Apr 2028	5-day classroom	Jeddah	Arabic	4,750
9–13 Jul 2028	5-day classroom	Riyadh	Arabic	4,750
7–18 Aug 2028	10-day online	Live online	English	5,450
5–9 Mar 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
7–18 May 2029	10-day classroom	Kuala Lumpur	English	8,950
14–18 Oct 2029	5-day classroom	Manama	English	4,750
19–23 Nov 2029	5-day classroom	Dubai	English	4,750
4–15 Feb 2030	10-day online	Live online	Arabic	5,450
9–20 Jun 2030	10-day classroom	Cairo	Arabic	8,950
14–18 Jul 2030	5-day classroom	Riyadh	English	4,750
9–13 Dec 2030	5-day classroom	Abu Dhabi	Arabic	4,750

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