Garnet
Garnet Global Training Center

GGT-MM-123

Mechanical, Maintenance & Reliability

Compressed Air Systems Optimisation

تحسين أنظمة الهواء المضغوط

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

Overview

Compressed Air Systems Optimisation helps participants move from doing the work to managing it, with planning tools, control methods and reporting that management trusts. 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

- Set up and run Compressed Air Systems Optimisation as a managed process with clear roles.
- Lead improvement projects and measure their benefit.
- Report clearly to senior management and stakeholders.
- Manage contractors, suppliers and internal customers.
- Plan resources, budgets and schedules realistically.

Who should attend

Mechanical and maintenance engineers, reliability specialists, planners and workshop supervisors. It suits supervisors, section heads and specialists who manage, or are about to manage, this area.

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 Compressed Air Systems Optimisation: the management framework

- Failure modes and degradation mechanisms
- Measurement and reporting

Day 2 Planning, resources and budgets

- Condition monitoring techniques
- Maintenance strategy and planning

Day 3 Performance measurement and control

- Spare parts and work order discipline
- Hands-on workshop on a workplace challenge

Day 4 Risk, compliance and improvement

- Reliability metrics: MTBF, MTTR, OEE
- Common mistakes and how to avoid them

Day 5 Management case study and action plan

- CMMS data and continuous improvement
- Regional and international case studies

10-day outline

Day 1 Compressed Air Systems Optimisation: the management framework

- Failure modes and degradation mechanisms
- Measurement and reporting

Day 2 Planning, resources and budgets

- Condition monitoring techniques
- Maintenance strategy and planning

Day 3 Performance measurement and control

- Spare parts and work order discipline
- Hands-on workshop on a workplace challenge

Day 4 Risk, compliance and improvement

- Reliability metrics: MTBF, MTTR, OEE
- Common mistakes and how to avoid them

Day 5 Management case study and action plan

- CMMS data and continuous improvement
- Regional and international case studies

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Checklists and templates to take away

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
- Group discussion and peer review

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)
15–26 Feb 2027	10-day classroom	London	English	8,950
5–9 Apr 2027	5-day online	Live online	English	2,950
5–9 Jul 2027	5-day classroom	Barcelona	English	4,750
15–19 Nov 2027	5-day classroom	Vienna	English	4,750
13–17 Mar 2028	5-day classroom	Dubai	Arabic	4,750
1–12 May 2028	10-day online	Live online	Arabic	5,450
4–8 Jun 2028	5-day classroom	Cairo	Arabic	4,750
13–24 Aug 2028	10-day classroom	Doha	Arabic	8,950
21–25 Jan 2029	5-day classroom	Riyadh	English	4,750

Dates	Format	City	Language	Fee (USD)
15–26 Apr 2029	10-day classroom	Manama	English	8,950
11–15 Jun 2029	5-day online	Live online	English	2,950
20–24 Aug 2029	5-day classroom	London	English	4,750
13–24 Jan 2030	10-day classroom	Doha	Arabic	8,950
12–23 Aug 2030	10-day online	Live online	English	5,450
4–8 Nov 2030	5-day classroom	Dubai	English	4,750
9–13 Dec 2030	5-day classroom	Vienna	English	4,750

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