Garnet
Garnet Global Training Center

GGT-MM-122

Mechanical, Maintenance & Reliability

Steam Traps & Steam Systems Efficiency

مصائد البخار وكفاءة أنظمة البخار

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

Overview

Participants in Steam Traps & Steam Systems Efficiency 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. 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 Steam Traps & Steam Systems Efficiency 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

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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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 Steam Traps & Steam Systems Efficiency: principles and standards

- Spare parts and work order discipline
- Measurement and reporting

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
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Condition monitoring techniques
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Maintenance strategy and planning
- Regional and international case studies

10-day outline

Day 1 Steam Traps & Steam Systems Efficiency: principles and standards

- Spare parts and work order discipline
- Measurement and reporting

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
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Day 4 Quality, safety and documentation

- Condition monitoring techniques
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Maintenance strategy and planning
- 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 Mar 2027	10-day classroom	Vienna	English	8,950
5–9 Apr 2027	5-day classroom	Dubai	English	4,750
3–7 May 2027	5-day online	Live online	English	2,950
4–8 Oct 2027	5-day classroom	London	English	4,750
3–14 Jan 2028	10-day classroom	Geneva	English	8,950
20–24 Mar 2028	5-day classroom	Paris	English	4,750
15–26 May 2028	10-day online	Live online	Arabic	5,450
6–10 Nov 2028	5-day classroom	Vienna	English	4,750
1–5 Jan 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
16–20 Jul 2029	5-day classroom	Geneva	English	4,750
9–20 Sep 2029	10-day classroom	Kuwait City	English	8,950
17–21 Dec 2029	5-day classroom	Barcelona	English	4,750
21 Jan – 1 Feb 2030	10-day online	Live online	Arabic	5,450
19–30 May 2030	10-day classroom	Jeddah	Arabic	8,950
19–23 Aug 2030	5-day classroom	London	English	4,750
2–6 Sep 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/