Garnet
Garnet Global Training Center

GGT-MM-133

Mechanical, Maintenance & Reliability

Ultrasound Condition Monitoring

مراقبة الحالة بالموجات فوق الصوتية

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

Overview

Ultrasound Condition Monitoring turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. 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 Ultrasound Condition Monitoring 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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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 Ultrasound Condition Monitoring: principles and standards

- CMMS data and continuous improvement
- Group discussion and peer review

Day 2 Methods and tools in practice

- Failure modes and degradation mechanisms
- Condition monitoring techniques

Day 3 Diagnosis and problem solving

- Maintenance strategy and planning
- Measurement and reporting

Day 4 Quality, safety and documentation

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

Day 5 Workshop, assessment and action plan

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

10-day outline

Day 1 Ultrasound Condition Monitoring: principles and standards

- CMMS data and continuous improvement
- Group discussion and peer review

Day 2 Methods and tools in practice

- Failure modes and degradation mechanisms
- Condition monitoring techniques

Day 3 Diagnosis and problem solving

- Maintenance strategy and planning
- Measurement and reporting

Day 4 Quality, safety and documentation

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

Day 5 Workshop, assessment and action plan

- Reliability metrics: MTBF, MTTR, OEE
- 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)
1–5 Mar 2027	5-day online	Live online	Arabic	2,950
4–8 Apr 2027	5-day classroom	Riyadh	English	4,750
21 Jun – 2 Jul 2027	10-day classroom	Geneva	English	8,950
8–12 Aug 2027	5-day classroom	Muscat	Arabic	4,750
14–18 Feb 2028	5-day classroom	Istanbul	English	4,750
6–17 Mar 2028	10-day online	Live online	English	5,450
21 May – 1 Jun 2028	10-day classroom	Cairo	English	8,950
20–24 Aug 2028	5-day classroom	Amman	Arabic	4,750
9–13 Apr 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
3–7 Sep 2029	5-day classroom	London	English	4,750
12–23 Nov 2029	10-day classroom	Casablanca	English	8,950
10–14 Dec 2029	5-day classroom	Singapore	English	4,750
13–17 Jan 2030	5-day classroom	Doha	Arabic	4,750
15–26 Apr 2030	10-day online	Live online	English	5,450
19–30 May 2030	10-day classroom	Muscat	English	8,950
21–25 Jul 2030	5-day classroom	Jeddah	Arabic	4,750

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