Garnet
Garnet Global Training Center

GGT-MM-134

Mechanical, Maintenance & Reliability **Rare specialisation**

Motor Current Signature Analysis

تحليل بصمة تيار المحركات

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

Overview

Motor Current Signature Analysis 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. 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 Motor Current Signature Analysis 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 Motor Current Signature Analysis: principles and standards

- Failure modes and degradation mechanisms
- Measurement and reporting

Day 2 Methods and tools in practice

- Condition monitoring techniques
- Maintenance strategy and planning

Day 3 Diagnosis and problem solving

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

Day 4 Quality, safety and documentation

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

Day 5 Workshop, assessment and action plan

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

10-day outline

Day 1 Motor Current Signature Analysis: principles and standards

- Failure modes and degradation mechanisms
- Measurement and reporting

Day 2 Methods and tools in practice

- Condition monitoring techniques
- Maintenance strategy and planning

Day 3 Diagnosis and problem solving

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

Day 4 Quality, safety and documentation

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

Day 5 Workshop, assessment 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)
15–19 Mar 2027	5-day online	Live online	Arabic	2,950
17–21 May 2027	5-day classroom	London	English	4,750
20–24 Jun 2027	5-day classroom	Manama	Arabic	4,750
2–13 Aug 2027	10-day classroom	Dubai	English	8,950
13–24 Mar 2028	10-day classroom	London	English	8,950
16–20 Jul 2028	5-day classroom	Kuwait City	Arabic	4,750
18–29 Sep 2028	10-day online	Live online	Arabic	5,450
3–7 Dec 2028	5-day classroom	Jeddah	Arabic	4,750
21–25 Jan 2029	5-day classroom	Riyadh	English	4,750

Dates	Format	City	Language	Fee (USD)
9–20 Apr 2029	10-day classroom	Dubai	Arabic	8,950
20–24 May 2029	5-day classroom	Cairo	English	4,750
13–17 Aug 2029	5-day online	Live online	Arabic	2,950
20–31 Jan 2030	10-day classroom	Amman	Arabic	8,950
4–15 Feb 2030	10-day online	Live online	English	5,450
11–15 Mar 2030	5-day classroom	Istanbul	English	4,750
6–10 May 2030	5-day classroom	Singapore	English	4,750

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