Garnet
Garnet Global Training Center

GGT-MM-111

Mechanical, Maintenance & Reliability

Precision Alignment & Balancing

المحاذاة والاتزان الدقيق

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

Overview

Participants in Precision Alignment & Balancing 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. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Precision Alignment & Balancing to real tasks.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.

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

WhatsApp: +971 56 674 7382

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 Precision Alignment & Balancing: principles and standards

- Failure modes and degradation mechanisms
- Regional and international case studies

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
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Reliability metrics: MTBF, MTTR, OEE
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- CMMS data and continuous improvement
- Measurement and reporting

10-day outline

Day 1 Precision Alignment & Balancing: principles and standards

- Failure modes and degradation mechanisms
- Regional and international case studies

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
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Reliability metrics: MTBF, MTTR, OEE
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- CMMS data and continuous improvement
- Measurement and reporting

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Hands-on workshop on a workplace challenge

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
- Common mistakes and how to avoid them

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)
12–16 Jul 2027	5-day online	Live online	English	2,950
1–5 Aug 2027	5-day classroom	Kuwait City	English	4,750
4–8 Oct 2027	5-day classroom	Casablanca	Arabic	4,750
5–16 Dec 2027	10-day classroom	Jeddah	English	8,950
5–16 Jun 2028	10-day classroom	Barcelona	English	8,950
10–21 Jul 2028	10-day online	Live online	English	5,450
7–11 Aug 2028	5-day classroom	Kuala Lumpur	English	4,750
20–24 Nov 2028	5-day classroom	Dubai	Arabic	4,750
8–12 Jan 2029	5-day classroom	Kuala Lumpur	English	4,750

Dates	Format	City	Language	Fee (USD)
2–6 Apr 2029	5-day classroom	London	English	4,750
6–17 May 2029	10-day classroom	Amman	Arabic	8,950
2–6 Jul 2029	5-day online	Live online	English	2,950
7–11 Apr 2030	5-day classroom	Kuwait City	Arabic	4,750
6–17 May 2030	10-day online	Live online	English	5,450
5–9 Aug 2030	5-day classroom	Abu Dhabi	Arabic	4,750
3–14 Nov 2030	10-day classroom	Doha	Arabic	8,950

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