Garnet
Garnet Global Training Center

GGT-MF-117

Manufacturing & Industrial Engineering

Additive Manufacturing & 3D Printing

التصنيع بالإضافة والطباعة ثلاثية الأبعاد

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

Overview

Additive Manufacturing & 3D Printing focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Run productive, high-quality factories with lean methods, planning and modern manufacturing technology. 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 Additive Manufacturing & 3D Printing to real tasks.
- Diagnose common problems and identify root causes.
- 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.

Who should attend

Production managers, industrial and manufacturing engineers, plant supervisors. Practitioners with one to five years of experience benefit most.

Key topics

- Production systems
- Lean and waste reduction
- Planning and scheduling
- Quality at source
- Automation and Industry 4.0
- Productivity measurement

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 Additive Manufacturing & 3D Printing: principles and standards

- Production systems
- Regional and international case studies

Day 2 Methods and tools in practice

- Lean and waste reduction
- Planning and scheduling

Day 3 Diagnosis and problem solving

- Quality at source
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Automation and Industry 4.0
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Productivity measurement
- Measurement and reporting

10-day outline

Day 1 Additive Manufacturing & 3D Printing: principles and standards

- Production systems
- Regional and international case studies

Day 2 Methods and tools in practice

- Lean and waste reduction
- Planning and scheduling

Day 3 Diagnosis and problem solving

- Quality at source
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Automation and Industry 4.0
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Productivity measurement
- 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)
1–5 Feb 2027	5-day classroom	Dubai	English	4,750
11–15 Oct 2027	5-day online	Live online	English	2,950
21 Nov – 2 Dec 2027	10-day classroom	Jeddah	Arabic	8,950
5–9 Dec 2027	5-day classroom	Doha	Arabic	4,750
17–28 Jan 2028	10-day classroom	Paris	English	8,950
7–11 Feb 2028	5-day classroom	Abu Dhabi	English	4,750
3–14 Apr 2028	10-day online	Live online	English	5,450
14–18 Aug 2028	5-day classroom	Barcelona	English	4,750
21–25 May 2029	5-day classroom	Barcelona	English	4,750

Dates	Format	City	Language	Fee (USD)
9–13 Jul 2029	5-day online	Live online	English	2,950
6–10 Aug 2029	5-day classroom	London	English	4,750
12–23 Nov 2029	10-day classroom	Singapore	English	8,950
1–12 Apr 2030	10-day classroom	Casablanca	English	8,950
15–19 Jul 2030	5-day classroom	London	English	4,750
5–16 Aug 2030	10-day online	Live online	Arabic	5,450
13–17 Oct 2030	5-day classroom	Manama	Arabic	4,750

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