Garnet
Garnet Global Training Center

GGT-CR-121

Corrosion, Coatings & Materials

Non-Metallic Composite Materials

المواد المركبة غير المعدنية

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

Overview

Non-Metallic Composite Materials turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Understand why materials fail and how to protect assets with the right materials, coatings and cathodic protection. 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 Non-Metallic Composite Materials to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

Who should attend

Corrosion, materials, integrity and coating engineers, inspectors and maintenance staff. Practitioners with one to five years of experience benefit most.

Key topics

- Corrosion mechanisms
- Materials selection
- Coatings and linings
- Cathodic protection
- Monitoring and inspection
- Failure analysis cases

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 Non-Metallic Composite Materials: principles and standards

- Coatings and linings
- Group discussion and peer review

Day 2 Methods and tools in practice

- Cathodic protection
- Monitoring and inspection

Day 3 Diagnosis and problem solving

- Failure analysis cases
- Measurement and reporting

Day 4 Quality, safety and documentation

- Corrosion mechanisms
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Materials selection
- Common mistakes and how to avoid them

10-day outline

Day 1 Non-Metallic Composite Materials: principles and standards

- Coatings and linings
- Group discussion and peer review

Day 2 Methods and tools in practice

- Cathodic protection
- Monitoring and inspection

Day 3 Diagnosis and problem solving

- Failure analysis cases
- Measurement and reporting

Day 4 Quality, safety and documentation

- Corrosion mechanisms
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Materials selection
- 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)
8–12 Feb 2027	5-day online	Live online	English	2,950
19–23 Apr 2027	5-day classroom	Dubai	English	4,750
6–10 Jun 2027	5-day classroom	Kuwait City	Arabic	4,750
4–15 Oct 2027	10-day classroom	Kuala Lumpur	English	8,950
13–24 Mar 2028	10-day classroom	London	English	8,950
13–17 Aug 2028	5-day classroom	Jeddah	English	4,750
4–15 Sep 2028	10-day online	Live online	Arabic	5,450
6–10 Nov 2028	5-day classroom	Vienna	English	4,750
4–8 Feb 2029	5-day classroom	Muscat	English	4,750

Dates	Format	City	Language	Fee (USD)
1–12 Apr 2029	10-day classroom	Riyadh	English	8,950
14–18 May 2029	5-day classroom	London	English	4,750
10–14 Dec 2029	5-day online	Live online	Arabic	2,950
13–24 May 2030	10-day classroom	Abu Dhabi	Arabic	8,950
15–26 Jul 2030	10-day online	Live online	Arabic	5,450
15–19 Sep 2030	5-day classroom	Doha	Arabic	4,750
11–15 Nov 2030	5-day classroom	Dubai	Arabic	4,750

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