Garnet
Garnet Global Training Center

GGT-CR-113

Corrosion, Coatings & Materials **Rare specialisation**

Thermal Spray Coatings

الطلاءات بالرش الحراري

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

Overview

Thermal Spray Coatings 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. 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 Thermal Spray Coatings 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

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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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 Thermal Spray Coatings: principles and standards
- Coatings and linings
- Measurement and reporting

Day 2 Methods and tools in practice
- Cathodic protection
- Monitoring and inspection

Day 3 Diagnosis and problem solving
- Failure analysis cases
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation
- Corrosion mechanisms
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan
- Materials selection
- Regional and international case studies

10-day outline

Day 1 Thermal Spray Coatings: principles and standards
- Coatings and linings
- Measurement and reporting

Day 2 Methods and tools in practice
- Cathodic protection
- Monitoring and inspection

Day 3 Diagnosis and problem solving
- Failure analysis cases
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation
- Corrosion mechanisms
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan
- Materials selection
- 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)
18–22 Jan 2027	5-day online	Live online	Arabic	2,950
21 Feb – 4 Mar 2027	10-day classroom	Cairo	Arabic	8,950
16–20 Aug 2027	5-day classroom	Abu Dhabi	English	4,750
4–8 Oct 2027	5-day classroom	Barcelona	English	4,750
17–28 Jan 2028	10-day online	Live online	English	5,450
7–18 May 2028	10-day classroom	Muscat	Arabic	8,950
5–9 Jun 2028	5-day classroom	Abu Dhabi	Arabic	4,750
2–6 Jul 2028	5-day classroom	Jeddah	English	4,750
16–20 Apr 2029	5-day classroom	London	English	4,750

Dates	Format	City	Language	Fee (USD)
14–25 May 2029	10-day classroom	Geneva	English	8,950
16–20 Jul 2029	5-day online	Live online	Arabic	2,950
8–12 Oct 2029	5-day classroom	Istanbul	English	4,750
14–18 Jan 2030	5-day classroom	London	English	4,750
20–31 May 2030	10-day online	Live online	English	5,450
2–13 Sep 2030	10-day classroom	Abu Dhabi	English	8,950
21–25 Oct 2030	5-day classroom	Dubai	Arabic	4,750

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