Garnet
Garnet Global Training Center

GGT-CR-124

Corrosion, Coatings & Materials

Concrete Corrosion & Rebar Protection

تآكل الخرسانة وحماية حديد التسليح

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

Overview

Concrete Corrosion & Rebar Protection focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Understand why materials fail and how to protect assets with the right materials, coatings and cathodic protection. 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 Concrete Corrosion & Rebar Protection to real tasks.
- Follow safe, compliant and documented work practices.
- 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.

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 Concrete Corrosion & Rebar Protection: principles and standards
- Cathodic protection
- Measurement and reporting

Day 2 Methods and tools in practice
- Monitoring and inspection
- Failure analysis cases

Day 3 Diagnosis and problem solving
- Corrosion mechanisms
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation
- Materials selection
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan
- Coatings and linings
- Regional and international case studies

10-day outline

Day 1 Concrete Corrosion & Rebar Protection: principles and standards
- Cathodic protection
- Measurement and reporting

Day 2 Methods and tools in practice
- Monitoring and inspection
- Failure analysis cases

Day 3 Diagnosis and problem solving
- Corrosion mechanisms
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation
- Materials selection
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan
- Coatings and linings
- 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)
11–15 Jan 2027	5-day classroom	Casablanca	English	4,750
16–20 Aug 2027	5-day classroom	Dubai	English	4,750
20–24 Sep 2027	5-day online	Live online	English	2,950
1–12 Nov 2027	10-day classroom	Singapore	English	8,950
8–12 May 2028	5-day classroom	Barcelona	English	4,750
7–18 Aug 2028	10-day classroom	Istanbul	English	8,950
16–27 Oct 2028	10-day online	Live online	Arabic	5,450
17–21 Dec 2028	5-day classroom	Muscat	English	4,750
21 Jan – 1 Feb 2029	10-day classroom	Muscat	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
17–21 Jun 2029	5-day classroom	Cairo	English	4,750
6–10 Aug 2029	5-day classroom	Kuala Lumpur	English	4,750
19–23 Nov 2029	5-day online	Live online	Arabic	2,950
14–25 Jan 2030	10-day classroom	Dubai	English	8,950
9–13 Sep 2030	5-day classroom	London	English	4,750
14–18 Oct 2030	5-day classroom	Paris	English	4,750
9–20 Dec 2030	10-day online	Live online	Arabic	5,450

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