Garnet
Garnet Global Training Center

GGT-CR-103

Corrosion, Coatings & Materials

Cathodic Protection Design

تصميم أنظمة الحماية الكاثودية

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

Overview

Cathodic Protection Design 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 Cathodic Protection Design 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

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 Cathodic Protection Design: principles and standards

- Failure analysis cases
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Corrosion mechanisms
- Materials selection

Day 3 Diagnosis and problem solving

- Coatings and linings
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Cathodic protection
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Monitoring and inspection
- Checklists and templates to take away

10-day outline

Day 1 Cathodic Protection Design: principles and standards

- Failure analysis cases
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Corrosion mechanisms
- Materials selection

Day 3 Diagnosis and problem solving

- Coatings and linings
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Cathodic protection
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Monitoring and inspection
- Checklists and templates to take away

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Group discussion and peer review

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
- Measurement and reporting

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)
7–18 Feb 2027	10-day classroom	Riyadh	English	8,950
14–18 Jun 2027	5-day online	Live online	English	2,950
14–18 Nov 2027	5-day classroom	Jeddah	Arabic	4,750
12–16 Dec 2027	5-day classroom	Muscat	English	4,750
20–31 Mar 2028	10-day online	Live online	Arabic	5,450
3–7 Apr 2028	5-day classroom	Geneva	English	4,750
17–21 Sep 2028	5-day classroom	Cairo	English	4,750
3–14 Dec 2028	10-day classroom	Muscat	English	8,950
15–26 Jan 2029	10-day classroom	Kuala Lumpur	English	8,950

Dates	Format	City	Language	Fee (USD)
21–25 May 2029	5-day classroom	Singapore	English	4,750
10–14 Sep 2029	5-day online	Live online	English	2,950
21–25 Oct 2029	5-day classroom	Riyadh	English	4,750
21 Jan – 1 Feb 2030	10-day online	Live online	Arabic	5,450
8–19 Jul 2030	10-day classroom	Paris	English	8,950
9–13 Sep 2030	5-day classroom	London	English	4,750
11–15 Nov 2030	5-day classroom	Kuala Lumpur	English	4,750

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