Garnet
Garnet Global Training Center

GGT-CR-107

Corrosion, Coatings & Materials **Rare specialisation**

# Microbiologically Influenced Corrosion

التآكل بفعل الكائنات الدقيقة

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

## Overview

Microbiologically Influenced Corrosion 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. 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 Microbiologically Influenced Corrosion to real tasks.
- 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.
- Diagnose common problems and identify root causes.

## 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 Microbiologically Influenced Corrosion: principles and standards

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

### Day 2 Methods and tools in practice

- Cathodic protection
- Monitoring and inspection

### Day 3 Diagnosis and problem solving

- Failure analysis cases
- Regional and international case studies

### Day 4 Quality, safety and documentation

- Corrosion mechanisms
- Checklists and templates to take away

### Day 5 Workshop, assessment and action plan

- Materials selection
- Group discussion and peer review

## 10-day outline

### Day 1 Microbiologically Influenced Corrosion: principles and standards

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

### Day 2 Methods and tools in practice

- Cathodic protection
- Monitoring and inspection

### Day 3 Diagnosis and problem solving

- Failure analysis cases
- Regional and international case studies

### Day 4 Quality, safety and documentation

- Corrosion mechanisms
- Checklists and templates to take away

### Day 5 Workshop, assessment and action plan

- Materials selection
- Group discussion and peer review

### Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Measurement and reporting

### 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
- Hands-on workshop on a workplace challenge

### 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) |
|---|---|---|---|---|
| 4–15 Jan 2027 | 10-day classroom | Singapore | English | 8,950 |
| 13–17 Jun 2027 | 5-day classroom | Amman | Arabic | 4,750 |
| 9–13 Aug 2027 | 5-day classroom | Paris | English | 4,750 |
| 11–15 Oct 2027 | 5-day online | Live online | English | 2,950 |
| 7–18 Feb 2028 | 10-day online | Live online | English | 5,450 |
| 21 Aug – 1 Sep 2028 | 10-day classroom | Paris | English | 8,950 |
| 11–15 Sep 2028 | 5-day classroom | Amsterdam | English | 4,750 |
| 8–12 Oct 2028 | 5-day classroom | Riyadh | English | 4,750 |
| 19 Feb – 2 Mar 2029 | 10-day classroom | Singapore | English | 8,950 |

| Dates | Format | City | Language | Fee (USD) |
|---|---|---|---|---|
| 9–13 Apr 2029 | 5-day classroom | London | English | 4,750 |
| 17–21 Sep 2029 | 5-day online | Live online | English | 2,950 |
| 17–21 Dec 2029 | 5-day classroom | Barcelona | English | 4,750 |
| 14–18 Jan 2030 | 5-day classroom | Amsterdam | English | 4,750 |
| 11–22 Feb 2030 | 10-day online | Live online | Arabic | 5,450 |
| 1–12 Apr 2030 | 10-day classroom | Singapore | English | 8,950 |
| 10–14 Nov 2030 | 5-day classroom | Cairo | English | 4,750 |

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