Garnet
Garnet Global Training Center

GGT-CR-114

Corrosion, Coatings & Materials

Materials Selection for Oil & Gas

اختيار المواد لصناعة النفط والغاز

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

Overview

Participants in Materials Selection for Oil & Gas practise the methods, tools and standards they need to perform reliably and solve problems on the job. 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 Materials Selection for Oil & Gas 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 Materials Selection for Oil & Gas: principles and standards

- Materials selection
- Regional and international case studies

Day 2 Methods and tools in practice

- Coatings and linings
- Cathodic protection

Day 3 Diagnosis and problem solving

- Monitoring and inspection
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Failure analysis cases
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Corrosion mechanisms
- Measurement and reporting

10-day outline

Day 1 Materials Selection for Oil & Gas: principles and standards

- Materials selection
- Regional and international case studies

Day 2 Methods and tools in practice

- Coatings and linings
- Cathodic protection

Day 3 Diagnosis and problem solving

- Monitoring and inspection
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Failure analysis cases
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Corrosion mechanisms
- Measurement and reporting

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Hands-on workshop on a workplace challenge

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
- Common mistakes and how to avoid them

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)
14–18 Jun 2027	5-day classroom	London	English	4,750
16–20 Aug 2027	5-day online	Live online	Arabic	2,950
13–17 Sep 2027	5-day classroom	Paris	English	4,750
8–19 Nov 2027	10-day classroom	Geneva	English	8,950
20–24 Feb 2028	5-day classroom	Kuwait City	English	4,750
3–14 Apr 2028	10-day classroom	Paris	English	8,950
20–24 Aug 2028	5-day classroom	Doha	English	4,750
16–27 Oct 2028	10-day online	Live online	Arabic	5,450
5–9 Aug 2029	5-day classroom	Riyadh	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
8–12 Oct 2029	5-day online	Live online	Arabic	2,950
5–16 Nov 2029	10-day classroom	London	English	8,950
3–7 Dec 2029	5-day classroom	Vienna	English	4,750
14–18 Jan 2030	5-day classroom	Geneva	English	4,750
8–19 Apr 2030	10-day online	Live online	Arabic	5,450
14–18 Oct 2030	5-day classroom	Casablanca	Arabic	4,750
2–13 Dec 2030	10-day classroom	Paris	English	8,950

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