Garnet
Garnet Global Training Center

GGT-RL-104

Railways & Metro Systems **Rare specialisation**

Track Engineering & Maintenance

هندسة وصيانة السكك

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

Overview

Track Engineering & Maintenance focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Operation, maintenance and safety of rail, metro and tram systems. 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 Track Engineering & Maintenance 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

Rail operators, rolling stock and infrastructure engineers, signalling and safety staff. Practitioners with one to five years of experience benefit most.

Key topics

- Railway systems overview
- Rolling stock
- Track and infrastructure
- Signalling and control
- Operations and timetabling
- Safety and assurance

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 Track Engineering & Maintenance: principles and standards

- Signalling and control
- Measurement and reporting

Day 2 Methods and tools in practice

- Operations and timetabling
- Safety and assurance

Day 3 Diagnosis and problem solving

- Railway systems overview
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Rolling stock
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Track and infrastructure
- Regional and international case studies

10-day outline

Day 1 Track Engineering & Maintenance: principles and standards

- Signalling and control
- Measurement and reporting

Day 2 Methods and tools in practice

- Operations and timetabling
- Safety and assurance

Day 3 Diagnosis and problem solving

- Railway systems overview
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Rolling stock
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Track and infrastructure
- 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)
19–23 Apr 2027	5-day online	Live online	English	2,950
19–23 Jul 2027	5-day classroom	Paris	English	4,750
4–8 Oct 2027	5-day classroom	Abu Dhabi	Arabic	4,750
15–26 Nov 2027	10-day classroom	Kuala Lumpur	English	8,950
16–20 Jan 2028	5-day classroom	Amman	Arabic	4,750
1–12 May 2028	10-day classroom	Abu Dhabi	English	8,950
11–22 Sep 2028	10-day online	Live online	English	5,450
9–13 Oct 2028	5-day classroom	Dubai	English	4,750
18 Feb – 1 Mar 2029	10-day classroom	Amman	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
13–17 May 2029	5-day classroom	Kuwait City	English	4,750
7–11 Oct 2029	5-day classroom	Riyadh	Arabic	4,750
10–14 Dec 2029	5-day online	Live online	English	2,950
6–10 Jan 2030	5-day classroom	Doha	English	4,750
4–15 Feb 2030	10-day online	Live online	English	5,450
4–15 Aug 2030	10-day classroom	Riyadh	Arabic	8,950
10–14 Nov 2030	5-day classroom	Cairo	Arabic	4,750

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