Garnet
GLOBAL TRAINING CENTER

GGT-GI-123
Course brochure

GIS, Geospatial & Remote Sensing · Rare specialisation

GIS for Telecommunications Network Planning

نظم المعلومات الجغرافية لتخطيط شبكات الاتصالات

Duration	Format	Language	Level
5 days (35 h) or 10 days (70 h)	**Classroom / online / in-house**	**English or Arabic**	**Intermediate**

Overview

GIS for Telecommunications Network Planning is a practical GIS, Geospatial & Remote Sensing program. Plan fibre and mobile networks with GIS: coverage, routes, assets and rollout. Every day pairs short theory sessions with hands-on exercises on real data and case studies, so participants leave with methods and templates they can use at work straight away. Join a public session in one of 20 cities or live online, in English or Arabic, or run it in-house with examples from your own projects.

What you will be able to do

- Apply telecom spatial data and asset models at work.
- Apply fibre route planning and FTTH design at work.
- Apply mobile coverage and site planning (4G/5G) at work.
- Apply demand mapping and rollout prioritisation at work.
- Apply network operations and field workforce at work.

Who should attend

GIS analysts and technicians, surveyors, planners, engineers, environmental specialists and managers who use spatial data.

5-day outline

Day 1 — **Telecom spatial data and asset models**
- Tools, templates and best practice
- Case study and group discussion

Day 2 — **Fibre route planning and FTTH design**
- Concepts, methods and standards
- Hands-on exercise

Day 3 — **Mobile coverage and site planning (4G/5G)**
- Worked examples from real projects
- Practical workshop

Day 4 — **Demand mapping and rollout prioritisation**
- Tools, templates and best practice
- Case study and group discussion

Day 5 — **Network operations and field workforce**
- Concepts, methods and standards
- Capstone exercise and action plan

10-day option: adds Advanced methods and tools, Industry case studies, Integration with other systems and data, Quality, standards and governance, Capstone project and presentation.

Fees per participant

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 at your premises	**Quotation per group**

Fees exclude VAT and include materials and the certificate of completion; classroom fees include lunch and refreshments.

Certificate

Certificate of completion stating 35 or 70 contact hours for participants who attend at least 90% of sessions and pass the final assessment.

Upcoming sessions

Dates	Format	City	Language
17–21 Jan 2027	5-day classroom	Kuwait City	English
1–5 Mar 2027	5-day classroom	Istanbul	English
8–19 Mar 2027	10-day classroom	Kuala Lumpur	English
5–9 Apr 2027	5-day online	Live online	English
17–21 Jan 2028	5-day classroom	London	English
8–12 May 2028	5-day classroom	Kuala Lumpur	English

Full schedule to 2030 on the course page. We can also run it on your dates, in your city or in-house.

Register or ask
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