Garnet
GLOBAL TRAINING CENTER

GGT-GI-108
Course brochure

GIS, Geospatial & Remote Sensing

PostGIS Spatial Databases

قواعد البيانات المكانية PostGIS

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

Overview

PostGIS Spatial Databases is a practical GIS, Geospatial & Remote Sensing program. Store, query and analyse spatial data at scale with PostgreSQL and PostGIS. 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 spatial database concepts at work.
- Apply geometry types, SRIDs and loading data at work.
- Apply spatial SQL: relationships and measurements at work.
- Apply indexing and query performance at work.
- Apply raster, topology and routing (pgRouting) 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 — **Spatial database concepts**
- Worked examples from real projects
- Practical workshop

Day 2 — **Geometry types, SRIDs and loading data**
- Tools, templates and best practice
- Case study and group discussion

Day 3 — **Spatial SQL: relationships and measurements**
- Concepts, methods and standards
- Hands-on exercise

Day 4 — **Indexing and query performance**
- Worked examples from real projects
- Practical workshop

Day 5 — **Raster, topology and routing (pgRouting)**
- Tools, templates and best practice
- 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
1–5 Feb 2027	5-day classroom	Kuala Lumpur	English
31 May – 4 Jun 2027	5-day classroom	Istanbul	English
6–17 Jun 2027	10-day classroom	Amman	English
14–18 Jun 2027	5-day online	Live online	Arabic
16–20 Jan 2028	5-day classroom	Kuwait City	English
24–28 Jan 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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