Garnet
GLOBAL TRAINING CENTER

GGT-GI-137
Course brochure

GIS, Geospatial & Remote Sensing

Drone Mapping and Photogrammetry for GIS

رسم الخرائط بالطائرات المسيّرة والمسح التصويري لنظم المعلومات الجغرافية

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

Overview

Drone Mapping and Photogrammetry for GIS is a practical GIS, Geospatial & Remote Sensing program. Plan drone flights and process imagery into orthomosaics, surfaces and GIS-ready products. 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 drone mapping workflow and regulations at work.
- Apply flight planning and ground control points at work.
- Apply photogrammetric processing at work.
- Apply orthomosaics, DSMs and volumes at work.
- Apply accuracy assessment and GIS integration 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 — **Drone mapping workflow and regulations**
- Concepts, methods and standards
- Hands-on exercise

Day 2 — **Flight planning and ground control points**
- Worked examples from real projects
- Practical workshop

Day 3 — **Photogrammetric processing**
- Tools, templates and best practice
- Case study and group discussion

Day 4 — **Orthomosaics, DSMs and volumes**
- Concepts, methods and standards
- Hands-on exercise

Day 5 — **Accuracy assessment and GIS integration**
- Worked examples from real projects
- 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
10–14 Jan 2027	5-day classroom	Amman	English
8–12 Feb 2027	5-day classroom	Abu Dhabi	Arabic
24 May – 4 Jun 2027	10-day classroom	Singapore	English
16–20 Aug 2027	5-day online	Live online	English
14–18 Feb 2028	5-day classroom	Vienna	English
16–20 Apr 2028	5-day classroom	Cairo	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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