Garnet
Garnet Global Training Center

GGT-GE-122

Geoscience, Geology & Surveying

Drone Photogrammetry & LiDAR

المسح التصويري بالطائرات المسيّرة والليدار

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

Overview

Drone Photogrammetry & LiDAR focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Geology, geophysics, GIS and surveying for energy, mining, water and construction projects. 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 Drone Photogrammetry & LiDAR to real tasks.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.

Who should attend

Geologists, geophysicists, surveyors, GIS specialists and petroleum engineers. Practitioners with one to five years of experience benefit most.

Key topics

- Earth materials and structures
- Data acquisition
- Interpretation workflows
- Mapping and GIS
- Software tools
- Field case studies

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 Drone Photogrammetry & LiDAR: principles and standards

- Earth materials and structures
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Data acquisition
- Interpretation workflows

Day 3 Diagnosis and problem solving

- Mapping and GIS
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Software tools
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Field case studies
- Checklists and templates to take away

10-day outline

Day 1 Drone Photogrammetry & LiDAR: principles and standards

- Earth materials and structures
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Data acquisition
- Interpretation workflows

Day 3 Diagnosis and problem solving

- Mapping and GIS
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Software tools
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Field case studies
- Checklists and templates to take away

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Group discussion and peer review

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
- Measurement and reporting

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)
12–16 Apr 2027	5-day classroom	Dubai	English	4,750
20 Jun – 1 Jul 2027	10-day classroom	Doha	English	8,950
20–24 Sep 2027	5-day online	Live online	Arabic	2,950
5–9 Dec 2027	5-day classroom	Kuwait City	Arabic	4,750
3–14 Jan 2028	10-day online	Live online	Arabic	5,450
13–17 Mar 2028	5-day classroom	Dubai	English	4,750
8–12 Oct 2028	5-day classroom	Muscat	English	4,750
6–17 Nov 2028	10-day classroom	Vienna	English	8,950
8–19 Jan 2029	10-day classroom	Singapore	English	8,950

Dates	Format	City	Language	Fee (USD)
16–20 Apr 2029	5-day classroom	Dubai	English	4,750
11–15 Jun 2029	5-day online	Live online	Arabic	2,950
10–14 Dec 2029	5-day classroom	Kuala Lumpur	English	4,750
4–15 Feb 2030	10-day online	Live online	English	5,450
8–12 Jul 2030	5-day classroom	London	English	4,750
6–10 Oct 2030	5-day classroom	Riyadh	English	4,750
1–12 Dec 2030	10-day classroom	Cairo	English	8,950

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