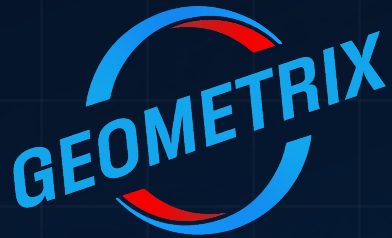


COMPANY PROFILE



Drone Survey, Mapping & Geospatial Engineering — Dubai,
UAE

| *"Data your engineers, planners and clients can actually build on."*

PHOTOGRAMMETRY

DRONE SURVEY

MOBILE MAPPING

TOPOGRAPHIC SURVEYS

GEOGRAPHIC INFORMATION SYSTEM (GIS)

BUILDING INFORMATION MODELING (BIM)

DIGITAL TWIN INTEGRATION

AI DATA INTEGRATION



HEADQUARTERS

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CONTACT

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◆ ABOUT US

Survey-Grade Data, From Site to Design

Geo Metrix is a Dubai-based drone survey, mapping and geospatial engineering firm that captures, processes and delivers survey-grade aerial and ground data for construction, infrastructure and planning teams across the UAE.

As a local team operating across all seven Emirates, we combine on-the-ground regulatory knowledge with technical delivery that plugs directly into the CAD, GIS and BIM workflows our clients already use. Rather than treating data capture and design as separate stages, we connect them — taking projects from feasibility and initial site capture through to construction-stage monitoring and design-ready deliverables, with a staged handover at every step.

OUR MISSION

“To make accurate, survey-grade geospatial data accessible and usable at every stage of a project — from feasibility and design through construction and handover.”

7

Core Services

7

Emirates Covered

GCAA / DCAA

Approved Operator

8

Industries Served

Precision data capture across all seven Emirates

HOW WE WORK

A Four-Stage Delivery Process

Every engagement follows the same structured methodology — so clients always know exactly what they are receiving, and how to use it.

STAGE 01

Plan

Define project scope, data requirements and site or airspace constraints before mobilization.

STAGE 02

Capture

Aerial and/or ground-based data collection using drone, mobile mapping and survey equipment.

STAGE 03

Process

Convert raw capture into measurable, usable outputs — models, maps, point clouds and reports.

STAGE 04

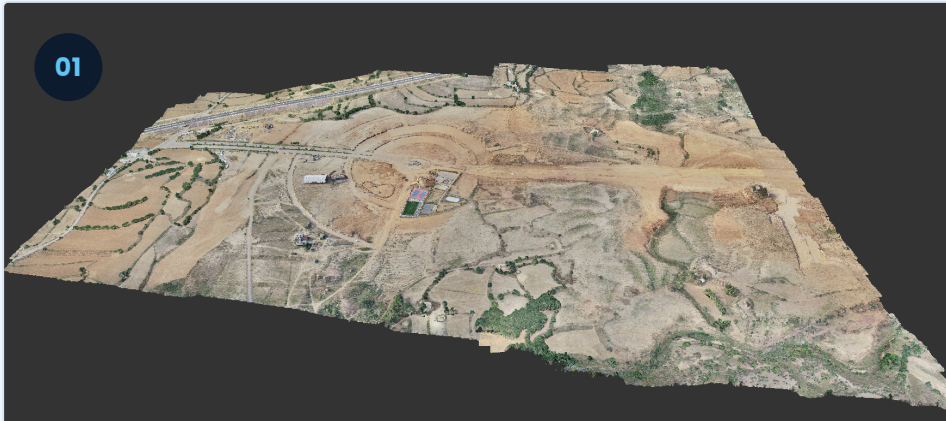
Deliver

Package outputs in client-ready formats with full methodology documentation.

A versatile fleet matched to every mission — mapping, industrial and agricultural platforms

WHAT WE DO

Our Services



Photogrammetry

Overlapping aerial photographs converted into orthomosaics, digital surface models, textured 3D models and point clouds using drone camera/gimbal systems and ground control points.



Drone Survey

Rapid UAV-based aerial data collection for expansive, remote or inaccessible sites, with flight planning around airspace regulations and single-mobilization capture.

WHAT WE DO

Our Services



Mobile Mapping

Continuous, geo-referenced imagery and point cloud capture along corridors, roads and infrastructure routes — using vehicle-mounted systems, handheld SLAM units for confined or pedestrian areas, and drone-mounted mobile mapping sensors for aerial corridors.



Topographic Surveys

Elevation and terrain datasets combining aerial capture with total station instruments — supporting civil design, feasibility and masterplanning.

WHAT WE DO

Our Services

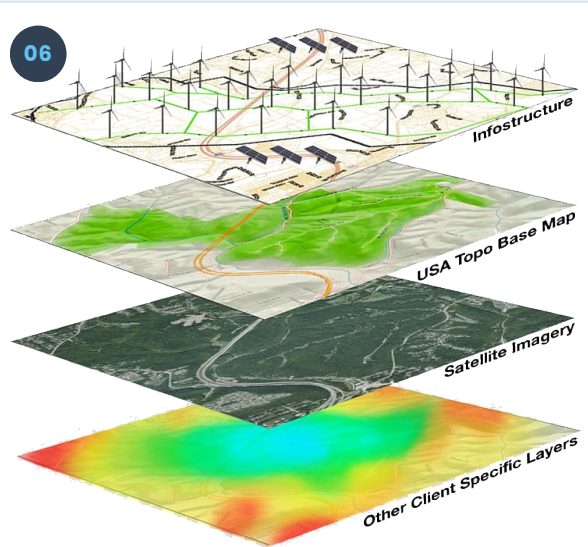


Construction Progress Monitoring

Scheduled aerial documentation on a weekly, monthly or milestone basis throughout the construction lifecycle.

DELIVERABLES

Time-lapse comparisons, stockpile/volume tracking, stakeholder reporting.

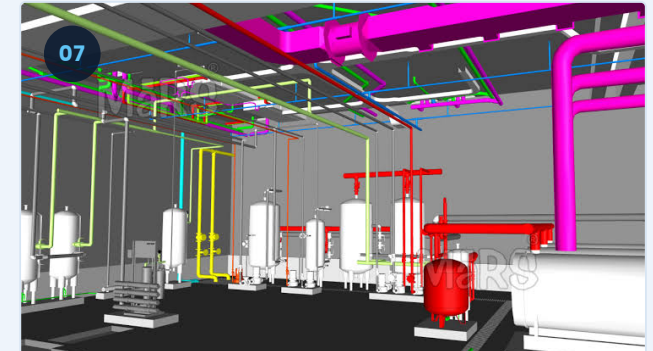


GIS Services

Organizing raw survey outputs into structured, analyzable spatial layers to support planning and decision-making, including digital twin integration and AI-enabled data workflows.

DELIVERABLES

Layered spatial databases, GIS-ready map packages, digital twin-ready datasets, analysis outputs.



BIM Design Services

Scan-to-BIM and survey-to-BIM conversion into coordinated, design-ready models for architecture, structure and MEP.

DELIVERABLES

Coordinated models in industry-standard BIM software formats.

◆ WHO WE WORK WITH

Industries We Serve

Our teams support clients across the full spectrum of the built and natural environment, from early planning through construction and asset management.



Construction & Real Estate



Infrastructure & Roads



Urban & Master Planning



Utilities & Energy



Oil & Gas



Government & Municipalities



Environmental & Land Studies



Architecture & Engineering
Firms

Trusted across construction, infrastructure & energy sectors

◆ WHY GEO METRIX

What Sets Us Apart

1

Local, Regulation-Ready Team

A Dubai-based team operating across all seven Emirates, with direct familiarity with UAE airspace and civil aviation regulations.

2

Built for Your Existing Workflow

Every deliverable is produced in formats compatible with the CAD, GIS and BIM software teams already use — no rework required.

3

End-to-End Capability

From aerial and ground data capture through to design-stage models — one accountable partner across the full data lifecycle.

4

Staged, Transparent Delivery

A structured Plan → Capture → Process → Deliver approach, with methodology documentation at every handover.

5

Digital Twin & AI Data Integration

Survey and drone outputs structured for digital twin platforms, with AI-enabled data integration workflows that turn raw captures into decision-ready insight.

Local expertise. Global data standards.

◆ COMPLIANCE

Certified & Approved

GCAA APPROVED

Approved by the General Civil Aviation Authority for commercial drone operations in the UAE.

DCAA APPROVED

Approved by the Dubai Civil Aviation Authority, ensuring compliant operations within Dubai airspace.

◆ TRUSTED BY

Key Clients

Geo Metrix has delivered geospatial data and engineering services for leading contractors and survey firms operating across the UAE, including:

- **Trojan General Contracting**
- **National Contracting & Transports Co. (NCTC)**
- **Capital Surveys LLC**

[See project photography on the following pages →](#)

Fully licensed for commercial drone operations in UAE airspace

◆ WORK IN THE FIELD

Projects

Infrastructure & Roads — Dibba Al Fujairah



Road Construction Progress Monitoring

Scheduled aerial documentation of a mountain road construction project in Dibba Al Fujairah, used to track excavation, grading and alignment progress throughout the construction lifecycle.

◆ WORK IN THE FIELD

Projects

Residential Construction — Abu Dhabi



Residential Villas Progress Monitoring

Scheduled aerial flyovers documenting structural progress across a multi-villa residential development in Abu Dhabi, from foundations through shell and core.

◆ WORK IN THE FIELD

Projects

Infrastructure & Roads



Residential Roads & Infrastructure Survey

Aerial documentation of completed road, drainage and street infrastructure within a residential community, supporting as-built verification.

GET IN TOUCH

Let's Talk About Your Next Project

7 EMIRATES COVERED

7 CORE SERVICES

GCAA & DCAA APPROVED

OFC

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SCAN TO CALL

