



3D DIGITAL MAP OF INFRASTRUCTURE



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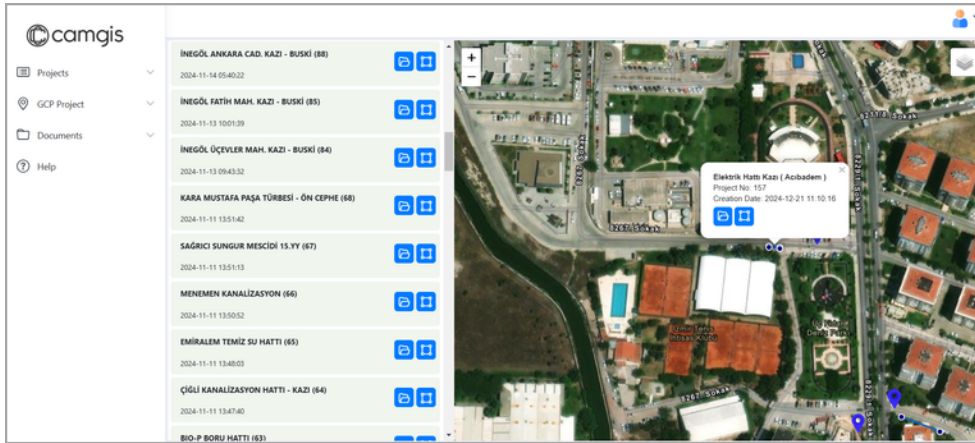
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**ARE YOU READY
TO ELIMINATE
FUTURE COSTS?**

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VISION

"At CAMGIS, we are committed to supporting public safety and sustainability by delivering user-friendly, high-tech solutions that minimize infrastructure risks while enhancing project efficiency."



The Hidden Cost of Infrastructure Projects

"Did you know that 70% of infrastructure projects face unexpected additional costs? A holistic approach can change this."



Without CAMGIS:

Costly underground surveys, project delays, and inter-agency coordination issues.

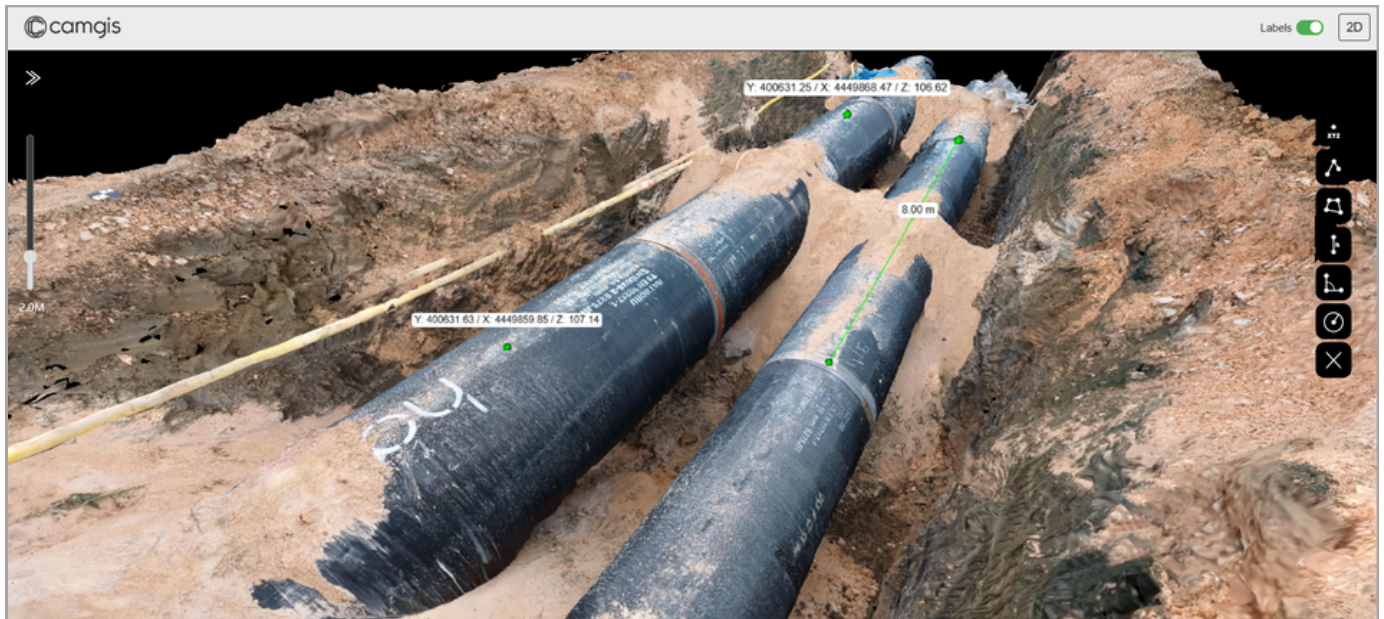


With CAMGIS:

Instant access to digital infrastructure data with no additional survey costs.

Future-proof your projects with accurate and accessible infrastructure data.

PROBLEM DEFINITION



The Challenge:

- Once a project is finished, the exact locations of underground utilities are often lost.
- Future re-scans to relocate these lines cost \$25,000-\$35,000 per 5 km, causing costly delays and contractual penalties.

A Common Scenario:

"The city finishes a brand-new water pipeline. All seems well-until another dig is required just 2 years later. Suddenly, there's no record of where those pipes actually are."



WHAT HAPPENS NEXT?

- Weeks of delays
- Costly underground scans
- Risk of damaging existing infrastructure
- Massive costs just to relocate what was already built



HOW CAMGIS SOLVES THESE ISSUES:

- Digital Mapping & Data Storage – Your infrastructure is always accessible.
- Compliance Assurance – Maintain continuous adherence to regulations and standards.
- Cost Reduction – Eliminate future scanning expenses.
- Instant Access – Retrieve underground data in seconds.

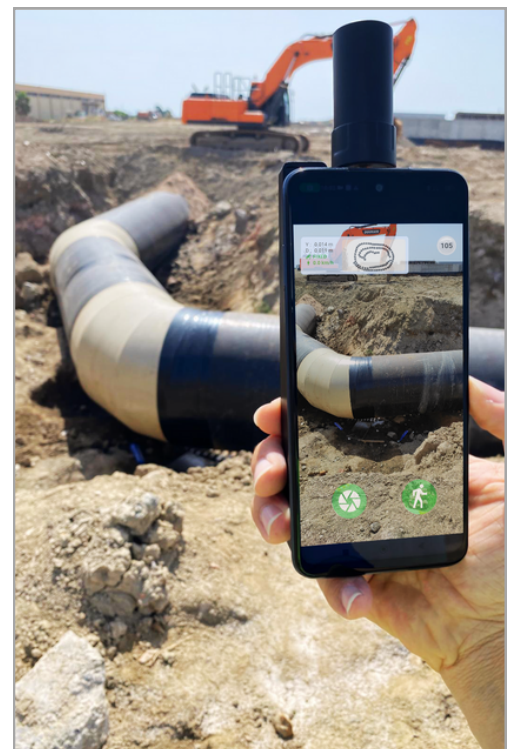
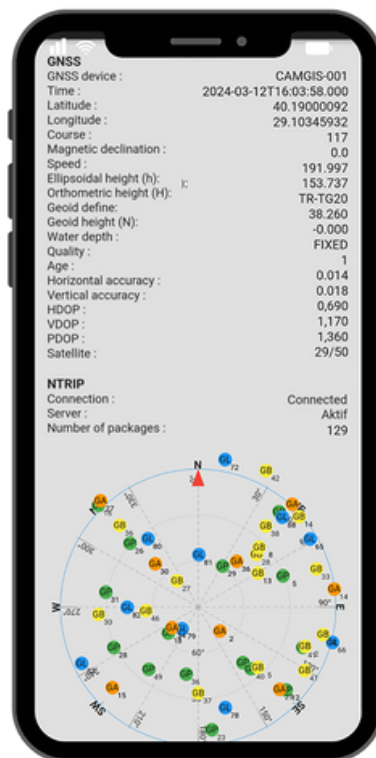
SOLUTION WITH CAMGIS

What Does CAMGIS Offer?

"CAMGIS eliminates rediscovery costs by creating a permanent digital map of your infrastructure."

Key Features:

- **Digital Mapping** – Comprehensive GIS-based asset tracking
- **Real-Time Access** – Secure, cloud-based infrastructure data
- **Rapid Maintenance** – Instant data access for repair operations
- **Regulatory Compliance** – Reduces legal risks & penalties while maintaining standards



CAMGIS – THE SMART WAY TO MANAGE INFRASTRUCTURE

WHY CHOOSE US?

The Ultimate Solution for Infrastructure Management

Key Benefits:

- **Cost Savings:** Eliminates future survey costs with one-time digital mapping.
- **Faster Decision-Making:** Enables quick, informed decisions for repairs and maintenance.
- **Regulatory Compliance:** Ensures projects meet all legal standards and regulations.
- **Seamless Collaboration:** Facilitates cross-departmental data sharing and coordination.

Superior Advantages:

- **User-Friendly Interface:** Intuitive design requiring no specialized training.
- **Efficiency:** Reduces manual workload with automated data processing.
- **Real-Time Monitoring:** Instantly track and manage field data.
- **Easy Integration:** Fully compatible with existing GIS platforms.
- **Advanced Analytics & Reporting:** Smart insights for better project planning.
- **High Security Standards:** Encrypted cloud-based data protection.

Competitive Edge:

- **Localized Customization:** Tailored to regional infrastructure and regulations.
- **Scalability:** Adapts to projects of any size.
- **Technological Innovation:** Cutting-edge tech with the latest advancements.



COMPARISON

Cost Savings & ROI – "How Much Can You Gain?"



Traditional Infrastructure Management is Costly! Eliminate Expenses & Save with CAMGIS!



Total Savings with CAMGIS:

- 💰 \$25,000–\$35,000 (per 5km)
- 📍 Savings from precise location mapping



Costs Without CAMGIS:

- 💰 \$40,000–\$50,000 (per 5km)
- 🚧 Ground-penetrating radar scans + Costly exploratory digs + Utility damage repairs + Project delays



Why is CAMGIS the Smarter Choice?

- Ease of Use** - Simplifies GIS processes – operational with just 1 day of training.
- Automation** - Reduces costs & minimizes errors through automated data processing.
- Integrated Platform** - Unifies data collection & cloud computing for maximum efficiency.
- Seamless GIS Integration** - Fully compatible with municipal & enterprise GIS platforms.

"FOR EVERY 5 KM PROJECT, CAMGIS PREVENTS THOUSANDS IN UNNECESSARY EXPENSES AND SPEEDS UP DECISION-MAKING BY 80%."

THE BENEFITS OF CAMGIS

Why CAMGIS is a Game-Changer?

- One-Time Mapping = Lifetime Savings
- Prevents Work Stoppages & Project Delays
- Strengthens Cross-Department Coordination
- Guarantees Regulatory Compliance
- Future-Proofs Infrastructure Projects



Key Benefits of CAMGIS

1. Eliminates Rediscovery Costs.

- One-time digital mapping ensures infrastructure data is never lost.
- Avoids costly re-surveys and redundant work.

2. Faster Decision-Making

- Provides real-time access to underground utilities.
- Speeds up repairs, maintenance, and expansion projects.

3. Enhances Coordination & Transparency

- Unifies data for water, electricity, gas, and telecom teams.
- Cloud-based access allows instant collaboration across departments.

4. Ensures Regulatory Compliance & Avoids Fines

- Meets legal standards from the start, preventing costly penalties.
- Helps secure government approvals faster.

5. Minimizes Downtime & Project Delays

- Reduces unexpected site issues, keeping projects on schedule.
- Prevents financial losses due to delays.

The Financial Impact: What CAMGIS Saves!



How much do delays cost per project? →

CAMGIS eliminates unnecessary time loss.



How much do future surveys & data loss cost? →

One-time mapping removes these expenses permanently.



How much do regulatory fines

cost? → CAMGIS ensures smooth approvals and zero penalties

CAMGIS ISN'T AN EXPENSE—IT'S AN INVESTMENT.

"THE SAVINGS FROM ELIMINATING REWORK, DELAYS, AND PENALTIES MORE THAN JUSTIFY CAMGIS COSTS."

USE CASES

1. Infrastructure Projects (Planning, Implementation & Maintenance)

CAMGIS creates a digital copy of infrastructure projects, ensuring accurate documentation and reducing rediscovery costs.



- **Electricity Cables** → Maps underground power lines to prevent accidental damage.
- **Water Pipelines & Sewage Systems** → Digitizes pipeline networks for efficient maintenance and expansion.
- **Stormwater Drainage & Rainwater Channels** → Aids in flood management and urban drainage planning.
- **Gas Pipelines** → Prevents hazardous leaks and supports network optimization.
- **Fiber-Optic & Telecom Networks** → Organizes underground networks, preventing future service disruptions.

2. Urban Infrastructure Management

CAMGIS acts as a digital logbook for city infrastructure, enabling seamless tracking and maintenance.



- **Real-Time Repairs & Upgrades Tracking** → Reduces unnecessary excavations by maintaining a digital record of past work.
- **Legal & Compliance Assurance** → Ensures all modifications align with regulatory standards.
- **Asset Management** → Helps municipalities track street furnitures, manholes, and relevant utilities.

3. Digitalization of Advertising Boards

CAMGIS assists cities and advertisers by managing billboard locations and legal compliance.



- **Billboard Inventory Management** → Prevents unauthorized placements and optimizes ad spaces.

4. Archaeological & Heritage Conservation

CAMGIS enhances historical site documentation through high-resolution photogrammetry



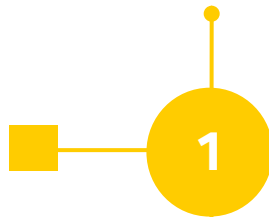
- **3D Mapping of Historical Sites** → Supports restoration, study, and digital preservation of ancient structures

WORKING PROCESS

CAMGIS Workflow

1. Data Capture

Creates a digital replica by capturing high-resolution imagery.



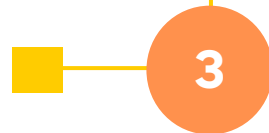
2. Cloud Upload

Data is instantly secured in the cloud to prevent loss from manual handling.



3. Automated Processing

AI-powered analysis and data processing – no specialized expertise required.



4. Seamless Export

Generates point clouds, orthophotos, and terrain models for GIS integration.



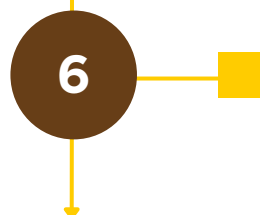
5. Interactive Visualization

View, analyze, and compare data through mobile & web platforms – anytime, anywhere.



6. Precision Measurement

Instant coordinate, distance, area & volume calculations for planning, maintenance, and inspection workflows.



FREQUENTLY ASKED QUESTIONS (FAQ)

What is the size of the generated data?

Scanning a 100-meter area generates roughly 1 GB of data, including orthophotos, point clouds, and terrain models.

Can CAMGIS integrate with existing GIS platforms?

Yes, CAMGIS can be seamlessly integrated with existing GIS platforms through API support.

How many products do I need?

This depends on the project duration and the size of the project area.

How much distance can a device collect data in a day?

Each device can collect up to 500 meters of data per day.

Who can use CAMGIS?

Anyone can use it – no specialized technical skills are required.

Which formats does CAMGIS produce?

Point Cloud: LAZ, LAS, PLY. Terrain Model & Orthophoto: GeoTIFF

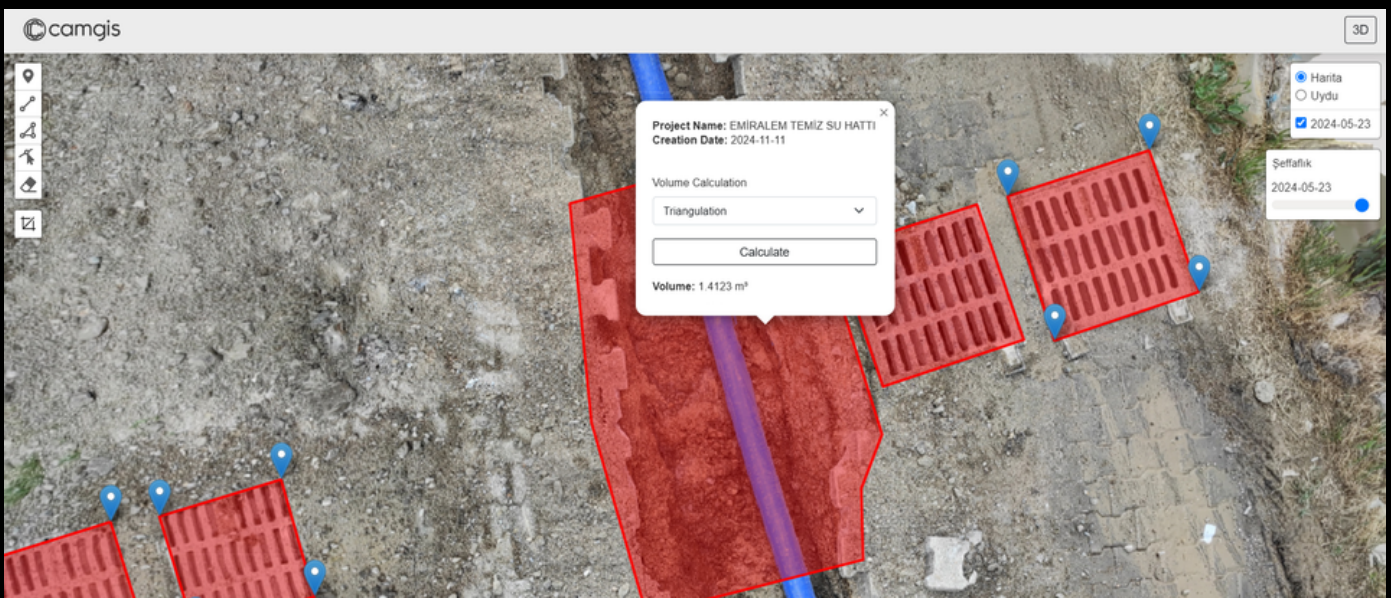
What is CAMGIS's positional accuracy?

5-10 cm (depending on satellite visibility), 1-3 cm (when using Ground Control Points)

Does CAMGIS Support Geodetic Surveying & Stakeout Operations?

Yes, it supports with the following features:

- 3D photogrammetric digitization
- Coordinate, length, area, perimeter, and volume measurement
- Point, line, and area creation
- Point and line stakeout
- Projection system and datum definition
- Import/Export: KML/KMZ (Google Earth), DXF (AutoCAD), NCN (Netcad), GeoJSON, TXT, WKT



READY TO ELIMINATE FUTURE COSTS?



Put an end to unnecessary field surveys. Invest in CAMGIS once and save millions in the long run.



The Real Question:

Do you want to keep paying recurring costs, or eliminate this expense forever?



Next Step:

Let's analyze your projects and show you the savings we can deliver!



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