

geolantisNEO

SPATIAL FIELD INTELLIGENCE FOR INFRASTRUCTURE WORKS

Field data you can trust. Spatial intelligence you can use.

The app-first, hardware-agnostic way for construction, utility and locating teams to capture accurate field data — built by PelicanCorp.

THE BIG IDEA

Geolantis turns field work into trusted spatial intelligence.

Most infrastructure teams have plenty of spatial information, but not enough spatial confidence. GeolantisNEO captures accurate field data at the point of work, attaches the evidence, and turns it into a reliable record you can report, hand over and reuse.

**6×**

FASTER FIELD CAPTURE

75%

LESS DOCUMENTATION TIME

±1cm

POSITIONING ACCURACY

20min

TO BE PRODUCTIVE

WHAT WE'LL COVER

From field truth to spatial confidence.

01

The gap

Why field reality and the office record keep drifting apart

03

Use cases by team

How construction, locating, utilities & survey teams use it

05

Proven in the field

Outcomes, clients and your next step

02

Introducing GeolantisNEO

Capture trusted field data at the point of work

04

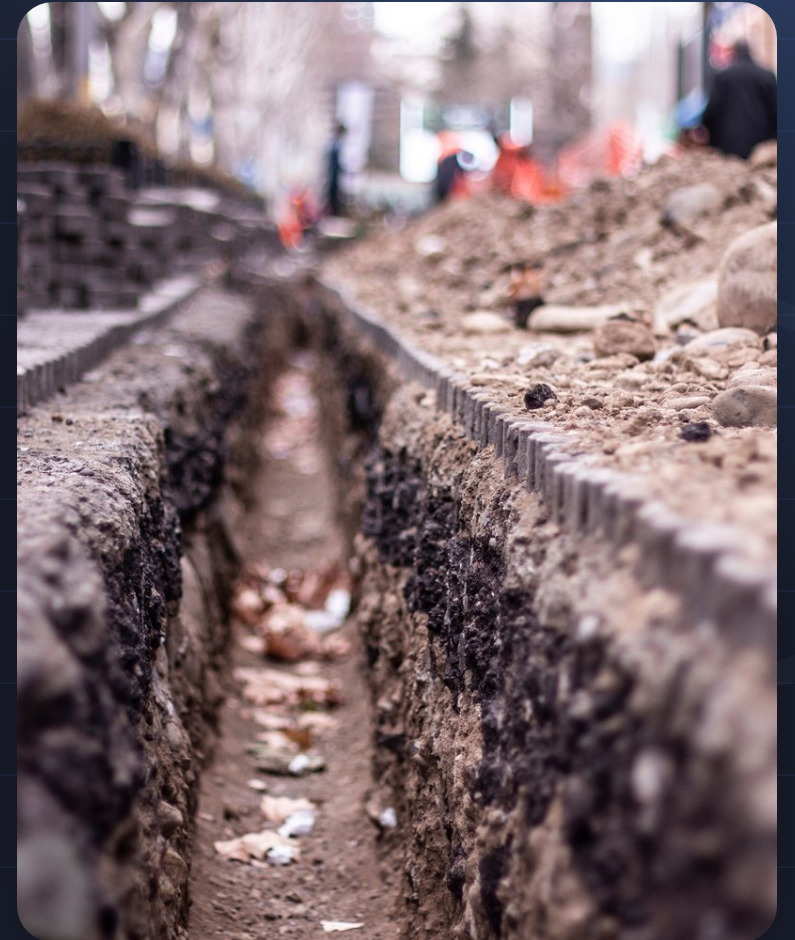
How it works

From a PDF plan to a trusted, reusable spatial record

01

The gap

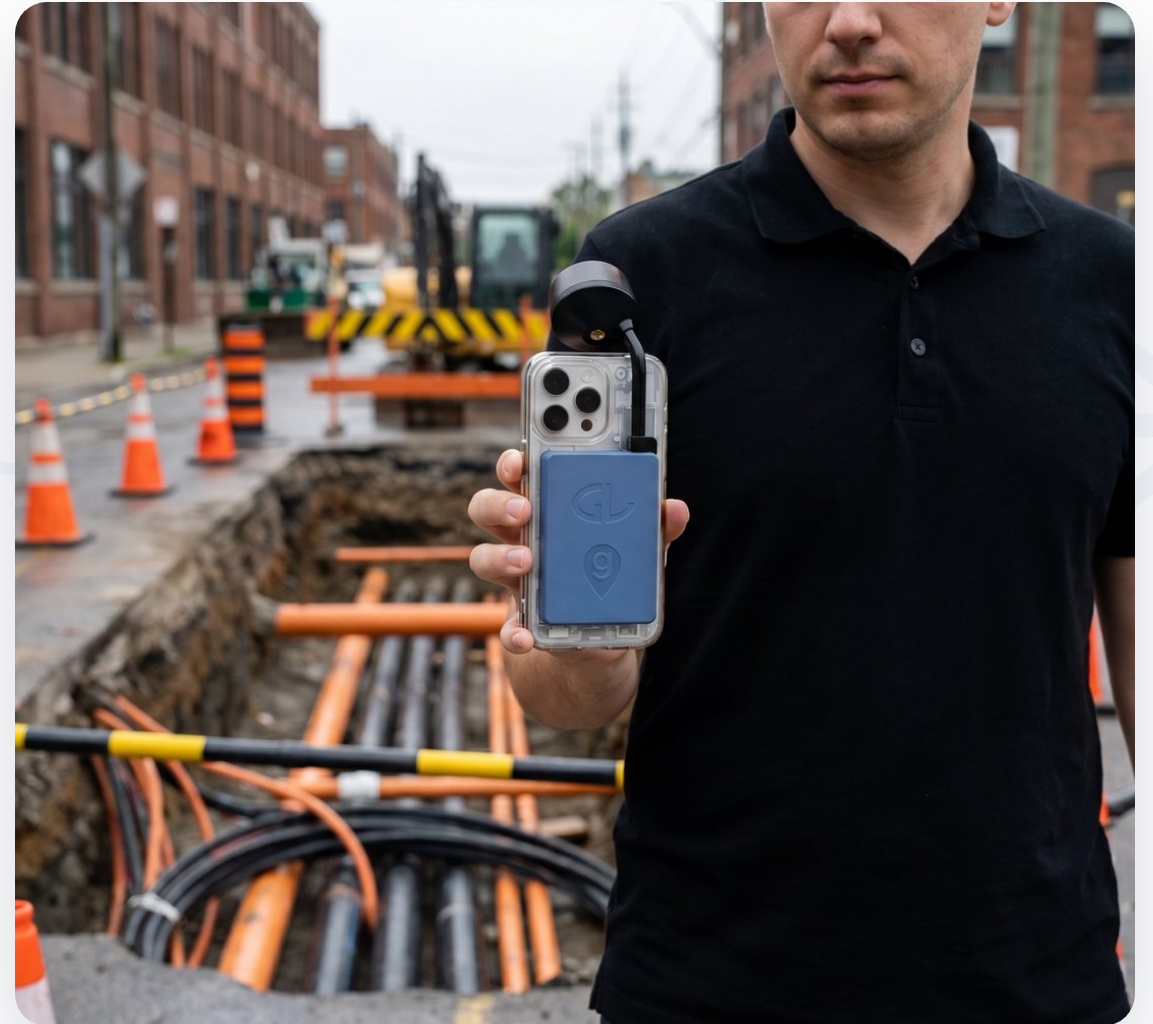
There is a persistent gap between what the office thinks exists and what field teams actually find — and it quietly creates risk, rework and weak evidence.



The office thinks it knows. The field finds out.

Plans arrive as PDFs. Utility and asset records are often incomplete or outdated. Field evidence — photos, notes, mark-ups — ends up scattered across phones and inboxes, disconnected from the systems that need it.

The result is a gap between planned spatial data and real-world conditions. That gap is where strikes, redesigns, disputed as-builts and failed handovers come from — and where valuable field knowledge disappears after the job.



Plenty of data. Not enough spatial confidence.



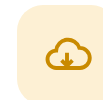
PDFs aren't field-ready

Utility PDF plans are hard to use as accurate, field-ready spatial data.



Records you can't trust

Underground utility and asset records are incomplete, outdated or inconsistent.



Evidence left scattered

Photos, sketches, notes and mark-ups sit disconnected from project systems.



Locate evidence isn't defensible

Locator outputs are rarely standardised, defensible or reusable across jobs.



Updates lost in unmanaged files

Teams run on verbal updates, emails and files no one can audit later.



Field knowledge walks away

Hard-won site knowledge vanishes after the job instead of improving the asset record.

Building blind to **what lies underground.**

Crews expose utilities and dig trial pits every day, but what they find is captured on paper or a phone — and rarely makes it back into the project cleanly.



Plans do not match the ground

Teams build against drawings that do not reflect real site conditions.



Records never make it back

Trial pits and exposed utilities are noted on site, then lost.



Rework eats the schedule

Re-digs and disputed as-builts hit margin on every project.

Accurate locates, **undefensible records.**

Locators mark the ground precisely — then sketch by hand and re-key into GIS that night, with no standard or reusable evidence trail.



Evidence isn't standardised

Every locator records differently; nothing is reusable or auditable.



Double-handling after hours

Field notes get re-typed into the office system, job after job.



One slip, one strike

A single transcription error sends the next crew into a live line.

⚠️ One transcription slip and the next crew digs into a live line.

An asset record that **drifts from reality.**

Field activity happens constantly, but updates rarely flow back — so the record and the real network keep diverging over time.



Records out of date

Asset data is incomplete, inconsistent and ageing.



Updates don't flow back

What crews find in the field never reaches the system of record.



Decisions on bad data

Plans and approvals run against a record no one fully trusts.



Asset manager

UTILITIES & ASSET OWNERS

⚠ Decisions made against records no one fully trusts.

THE CHALLENGE · 04 OF 04

Every crew captures it **differently.**

Multiple crews collect utility data their own way, so deliverables are inconsistent — and quality depends on who was holding the device.

**No shared standard**

Each crew's method, attributes and format differ.

**Office rework**

Inconsistent field data has to be cleaned up back at the desk.

**Quality varies job to job**

Deliverable quality swings with the crew that captured it.

⚠ **Rework in the office and quality that varies crew to crew.**

Close the gap and you move five levers **at once**.



Safety

Reduce uncertainty around underground assets before it becomes a strike, delay or redesign.



Productivity

Capture accurate field data once and cut the manual rework between field and office.



Quality

Standardise how crews collect, evidence and report spatial information.



Compliance

Create a defensible record of what was found, where, and who captured it.



Asset intelligence

Turn field observations into reusable spatial records that improve future decisions.

THE THROUGH-LINE

Five outcomes. **One trusted spatial record.**

It all rolls up to a single master message: **Geolantis turns field work into trusted spatial intelligence** — captured once at the point of work, evidenced properly, and reused for reporting, handover, compliance and future works.

02

Introducing

geolantisNEO

The app-first, hardware-agnostic spatial capture platform that lets field teams start collecting trusted data without being locked into one GNSS ecosystem.



WHAT IT IS

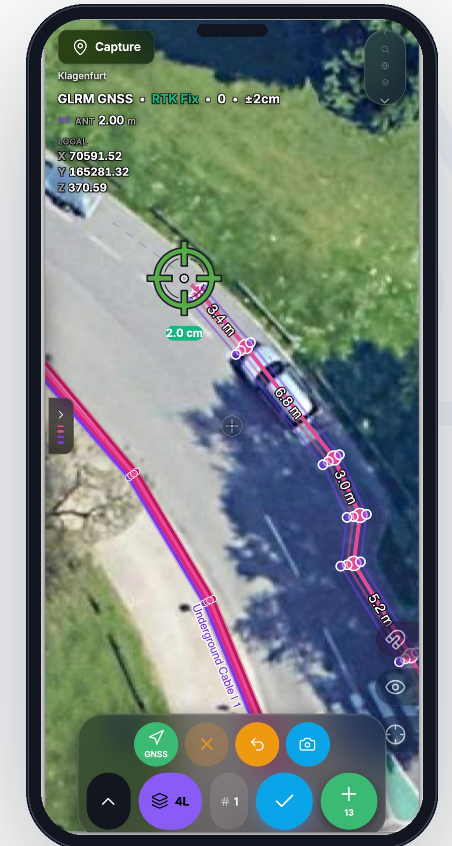
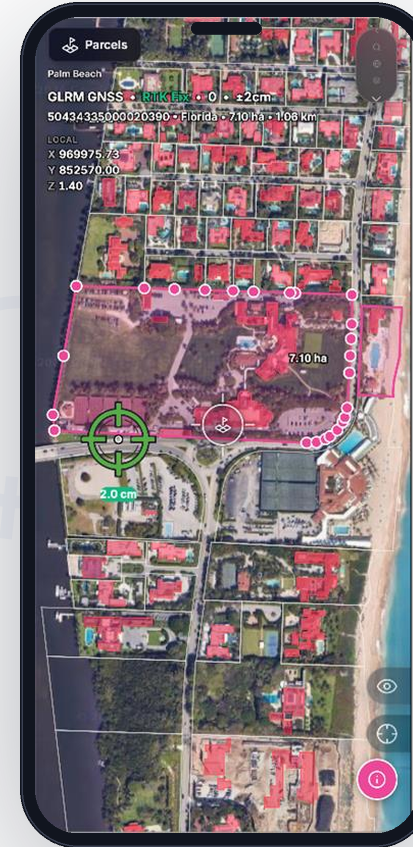
Spatial field intelligence, captured where the work happens.

GeolantisNEO helps construction, locating and utility teams capture accurate field data at the point of work, attach evidence like photos and notes, and turn it into a reliable spatial record — for reporting, handover, compliance and future works.

Field-first — built for the crews capturing data, not just the specialists managing it later

Hardware-agnostic — works with any GNSS receiver, or the pocket-sized GLRM

Live in 20 minutes — set your region and units, start your first project



WHICH PROBLEMS WE SOLVE

Every pain above — answered in one app.

THE PROBLEM

	PDF plans aren't field-ready
	Records are incomplete or out of date
	Photos & notes are scattered
	Locate evidence isn't defensible
	Many apps for different workflows
	No shared view across the team
	Field knowledge walks away

HOW GEOLANTISNEO SOLVES IT

→	✓ Georeference any PDF and work against it live, on site
→	✓ Verify what's actually there and capture it to ±1 cm
→	✓ Evidence attached to every point — one trusted record
→	✓ Standardised, timestamped, professional locate reports
→	✓ One app for capture, stakeout, measure, sketch & report
→	✓ Live shared data — simple view-only access for the office
→	✓ A reusable record that feeds handover & future works

ONE APP, ONE TEAM

Stop juggling apps. One app, one shared dataset.

Most field teams run a different app for every job — one to capture, another to stake out, others for GIS, photos and reports. GeolantisNEO brings those workflows into a single, multi-user app on one shared dataset.



One app for every workflow

Capture, stake-out, measure, sketch, locate and report — no more switching between separate tools.



A multi-user team tool

Crews, project managers and the office all work on the same live project data.



Shared project visibility

Everyone sees the latest field data — no re-sending files, no version chaos.



Simple licensing

Give view-only users access to projects without complex, per-seat licensing.

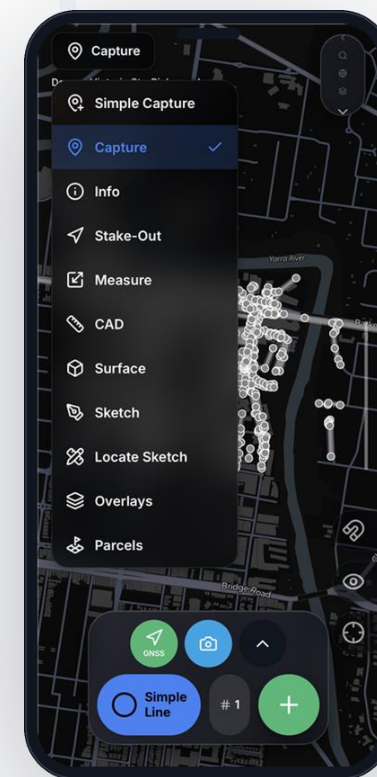
Capture-app

Stake-out-app

GIS-app

Photos-app

Reporting-app



GeolantisNEO

Five ways trusted field data **pays off.**



Spatial confidence

Know what was found, where it was found, and how confident you can be in the data.



Field productivity

Capture once in the field and cut double-handling between field and office.



Evidence & reporting

Turn field work into defensible evidence — photos, notes, attributes, maps and reports.



Enterprise standardisation

Standardise spatial capture across crews, projects, contractors and regions.



Handover & asset intelligence

Use field activity to improve as-builts, handover data and future asset records.



Capture trusted field data at the point of work — reduce rework, improve safety, produce professional deliverables, and build a reliable spatial record of every asset.

03

Use cases by team

One platform, mapped to the work each field team does every day — construction, locating, utilities and survey.



Built around the workflows crews run every day.



Construction & civil

Reduce uncertainty & rework

- ◆ Utility exposure & trial pits
- ◆ Construction verification
- ◆ As-built capture
- ◆ Site constraint mapping
- ◆ Field inspection
- ◆ Project handover docs



Utility locators

Deliver defensible evidence

- ◆ Locate evidence capture
- ◆ Professional locate reports
- ◆ SUE field capture
- ◆ QA of locate jobs
- ◆ Customer deliverables
- ◆ Damage-investigation evidence



Utilities & asset owners

Improve the asset record

- ◆ Asset verification
- ◆ Field inspection
- ◆ Contractor handback
- ◆ Exposed-asset recording
- ◆ Maintenance & investigation
- ◆ GIS update support



SUE & engineering

Professional deliverables

- ◆ Structured utility capture
- ◆ Field-to-office workflows
- ◆ Consistent deliverables
- ◆ Multi-crew standards
- ◆ High-accuracy GNSS
- ◆ Engineering-grade records

Reduce spatial uncertainty on every project.

Geolantis helps construction teams capture real-world site and utility conditions in the field — reducing uncertainty, rework and project risk. Every project creates field knowledge; Geolantis makes sure it is captured accurately, evidenced properly and usable beyond the day's work.



Safety

Productivity

Quality

WHERE IT HURTS

- Crews wait on a surveyor while the schedule slips
- Exposed utilities & trial pits captured on paper, then lost
- Disputed as-builts and avoidable re-digs

BEST USE CASES

- ◆ Utility exposure
- ◆ Construction verification
- ◆ Site constraint mapping
- ◆ Project handover docs
- ◆ Trial pit records
- ◆ As-built capture
- ◆ Field inspection

Better records of exposed utilities, trial pits and site conditions — captured the moment work happens.

6x

FASTER FIELD CAPTURE

Professional locate evidence, captured in the field.

Geolantis helps utility locators capture, evidence and report locate outcomes with professional spatial accuracy. Move from marking the ground to delivering trusted spatial evidence your customers can rely on, job after job.

Compliance

Quality

Productivity



WHERE IT HURTS

- Hand sketches re-keyed into GIS at night
- Evidence that isn't standardised or defensible
- One transcription slip and a strike on a live line

BEST USE CASES

- ◆ Locate evidence capture
- ◆ SUE field capture
- ◆ Customer deliverables
- ◆ Professional locate reports
- ◆ QA of locate jobs
- ◆ Damage-investigation evidence

Professional locate reports and defensible evidence — created once, in the field.

75%

LESS DOCUMENTATION TIME

Turn field activity into better asset intelligence.

Geolantis helps utilities improve asset intelligence by capturing accurate field updates and turning them into structured spatial records. Use every field activity as an opportunity to improve the asset record over time.

Asset intelligence

Compliance

Safety



WHERE IT HURTS

- Field updates rarely flow back to the record
- Asset data drifts further from reality
- Decisions made against records no one fully trusts

BEST USE CASES

- ◆ Asset verification
- ◆ Contractor handback
- ◆ Maintenance
- ◆ GIS update support
- ◆ Field inspection
- ◆ Exposed-asset recording
- ◆ Damage investigation

Field-verified asset information that improves network records over time.

±1cm

FIELD-VERIFIED UPDATES

Capture once. Deliver engineering-grade records.

Geolantis supports high-quality spatial field capture for SUE, utility mapping and engineering-grade infrastructure records — captured once and converted into professional, consistent deliverables across every crew.

Quality

Productivity

Asset intelligence



WHERE IT HURTS

- Every crew captures utility data differently
- Inconsistent deliverables and office rework
- Quality that varies from job to job

BEST USE CASES

- ◆ Structured utility capture
- ◆ Consistent deliverables
- ◆ High-accuracy GNSS workflows
- ◆ Field-to-office workflows
- ◆ Multi-crew standards

Capture field intelligence once and convert it into professional spatial deliverables.

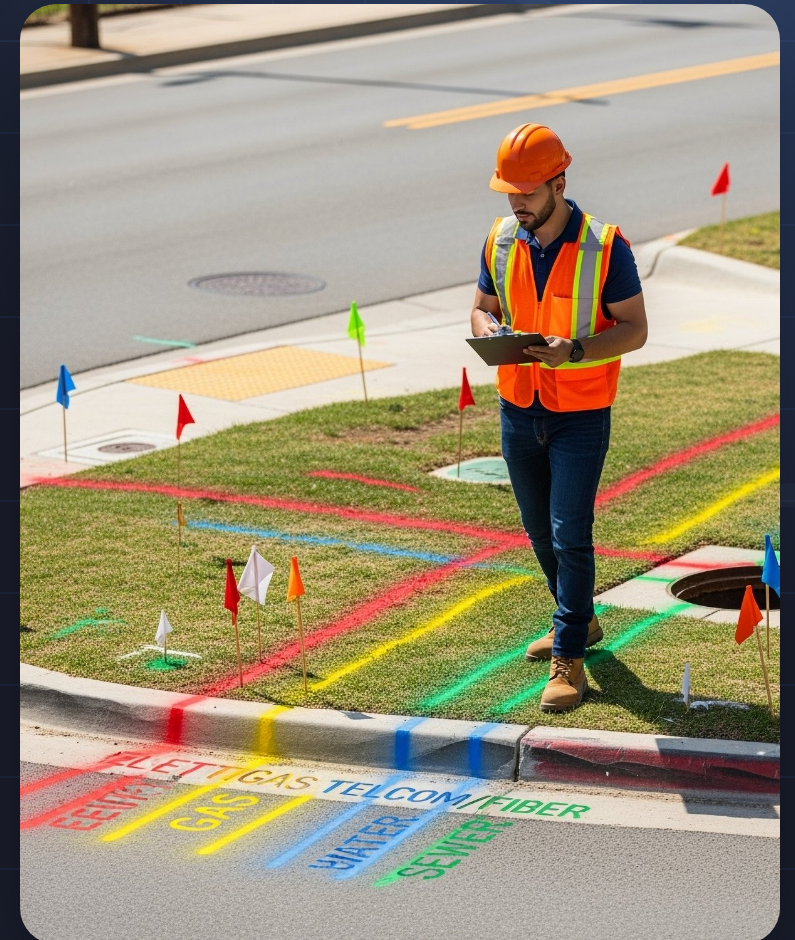
75%

LESS DOCUMENTATION TIME

04

How it works

From the first PDF plan to a trusted, reusable record — see how GeolantisNEO turns everyday field activity into spatial intelligence.



From field activity to trusted record.

1

Capture at the point of work

Map context, points, lines and areas — to the centimetre with any GNSS.

2

Attach the evidence

Photos, notes and structured attributes, stamped with location and time.

3

Build a trusted record

Field data becomes a consistent, auditable spatial record — not scattered files.

4

Report, hand over, reuse

Export deliverables and feed reporting, compliance and future works — no re-keying.



WHAT YOU CAN DO

One app. Every field task.



PDF Georeferencing

Pin any plan to real-world coordinates and work against it on site.



Geo-tagged evidence

Photos stamped with coordinates and heading — instant, defensible proof.



Stake-out navigation

Arrow guidance to set-out points, centimetre precise.



Cloud sync

Field data flows to the office automatically; syncs when back online.



Live cadastral layers

Official parcel boundaries — Austria, Germany, UK & New Zealand.



Structured capture

Points, lines and areas with feature classes, attributes and snapping.



Live position on plans

Real-time position and heading on any plan — works offline.



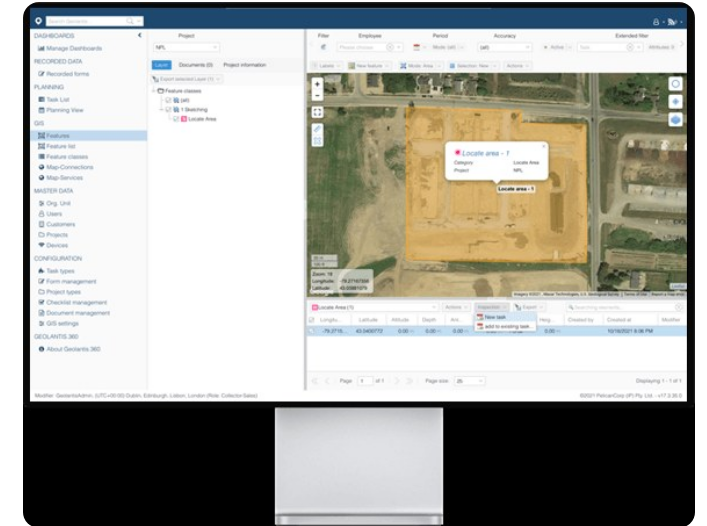
Locate sketches & reports

Auto-dimensioned features and professional locate deliverables.



Export to CAD / GIS

One-click DXF, GeoJSON, Shapefile and coordinate-aware PDF reports.

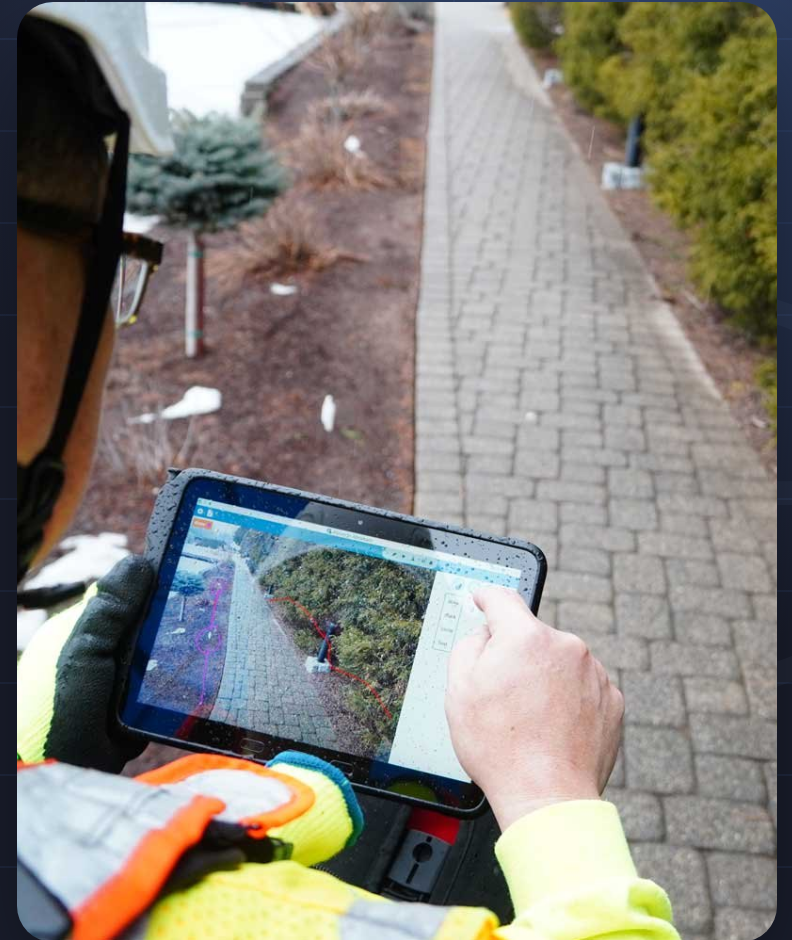


The Geolantis web portal — review, measure and export field data to CAD & GIS.

SEE IT IN ACTION

The app in motion.

Watch the everyday field workflows that make GeolantisNEO feel effortless — capture, live parcels, stake-out and locate, straight from the phone.

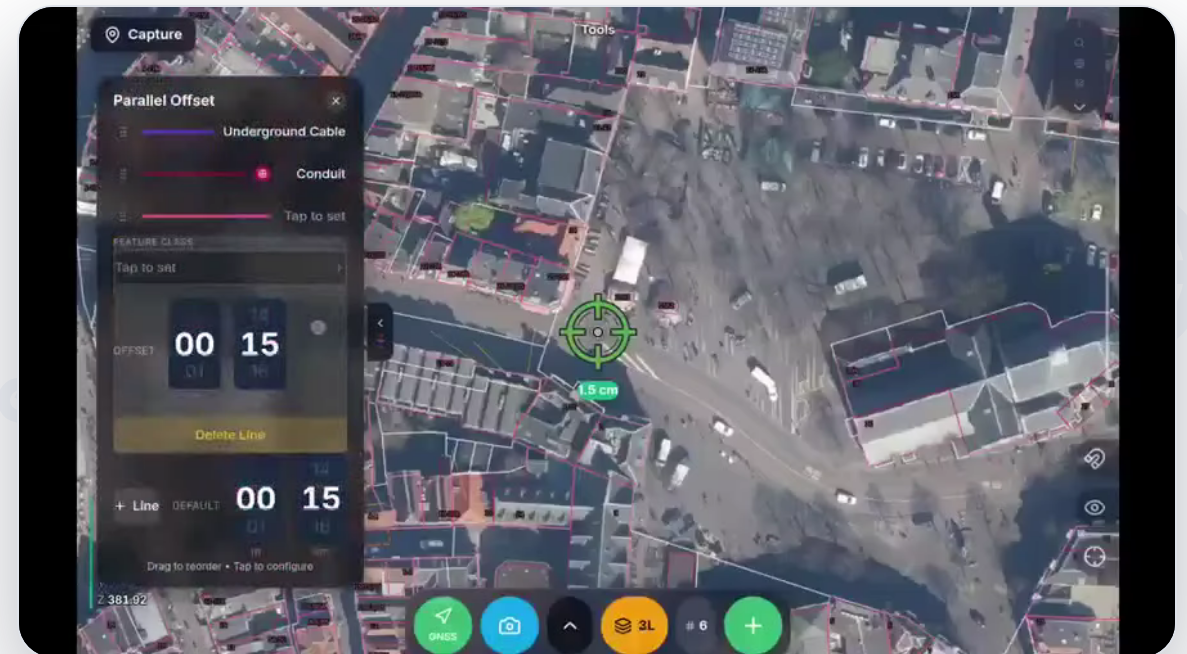


SEE IT IN ACTION · CAPTURE

Walk once. Capture the whole trench.

One pass records every parallel run at its true offset — utility line, cable, conduit and fibre, all at the same time, at RTK centimetre accuracy.

- ✓ Set each offset once, then capture all lines together
- ✓ Built for multi service trenches: LV/MV cable, conduit, fibre
- ✓ No re walking, no office rebuild



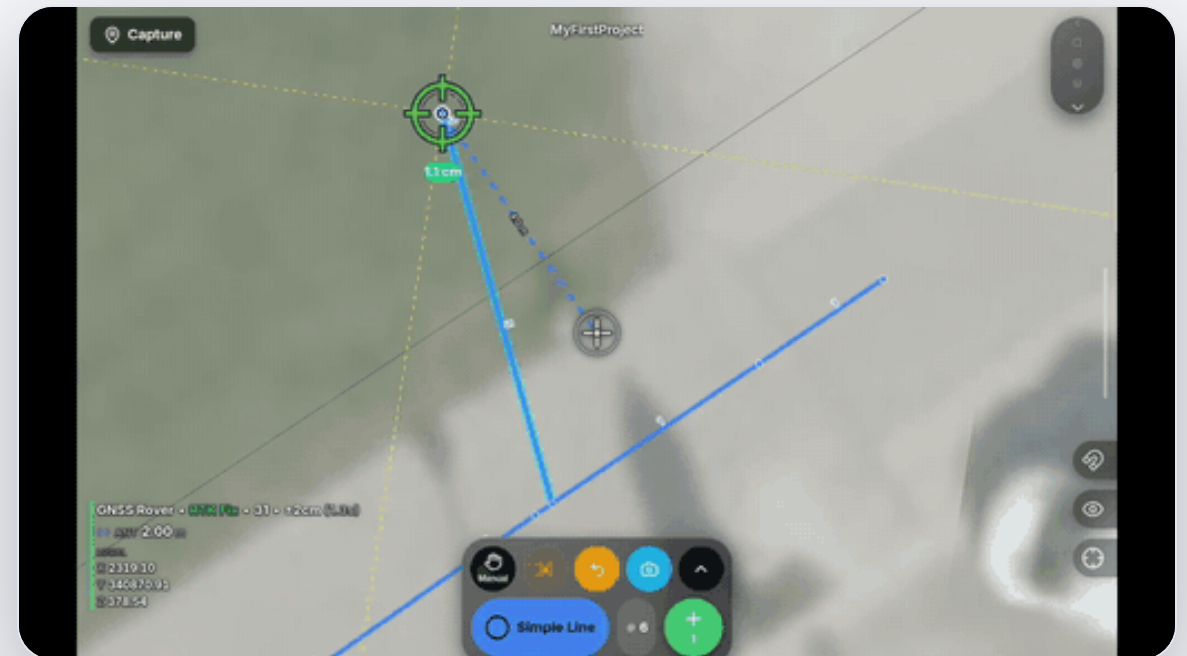
Live in GeolantisNEO

SEE IT IN ACTION · SNAPPING

Snap to everything. Clean up nothing.

Vertices lock onto existing features, endpoints, intersections and perpendiculars — field final geometry with no office post processing.

- ✓ Points, lines and polygons snap onto any captured feature
- ✓ Nearest point, intersections and extensions lock in
- ✓ Drop a perpendicular from any line



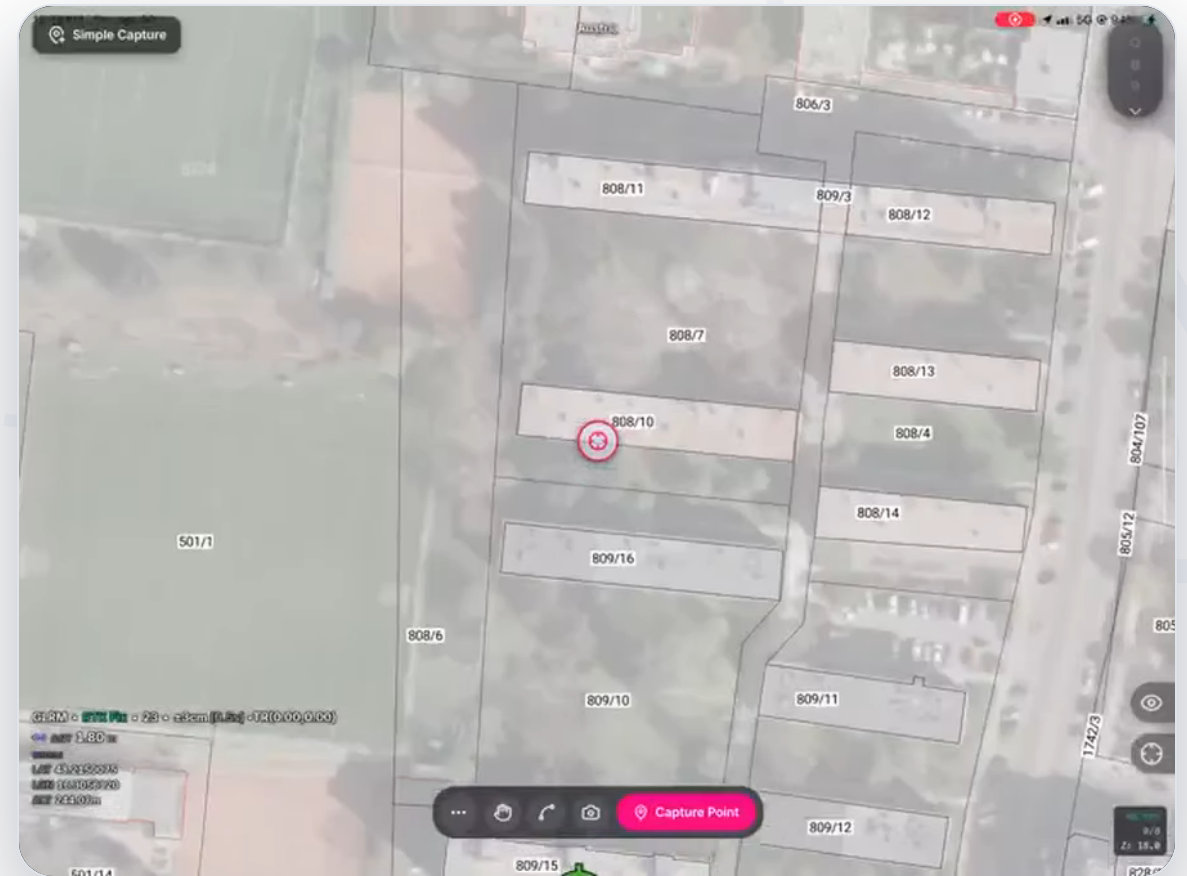
Live in GeolantisNEO

SEE IT IN ACTION · LIVE CADASTRE

Property lines, **live** on the map.

Official parcel boundaries are just there in your project CRS.
See public versus private instantly, and stake a fixed offset off the boundary — no downloading, importing or transformation juggling.

- ✓ Public versus private parcels, live on the map
- ✓ Stake a parallel offset off the boundary
- ✓ Zero preparation, in your project CRS



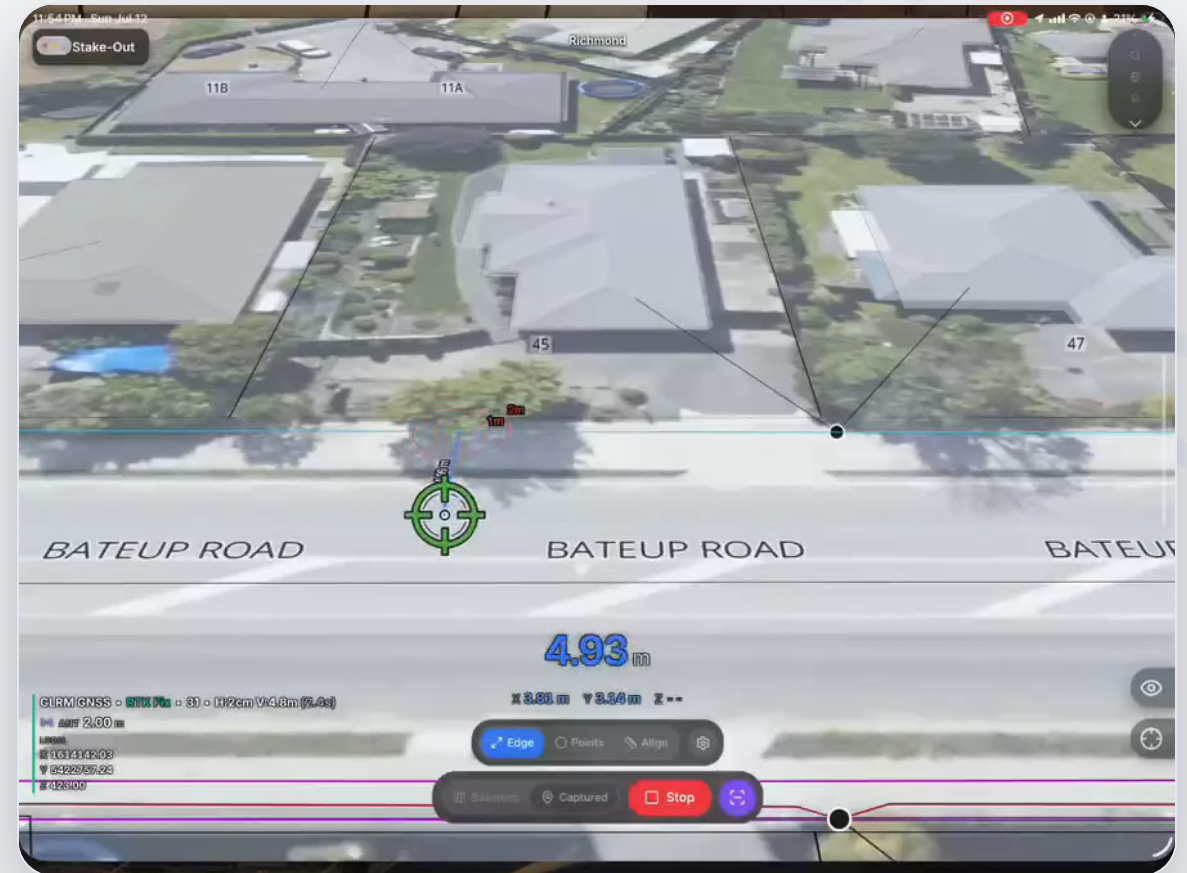
Live in GeolantisNEO

SEE IT IN ACTION · STAKE OUT

Points, lines and offsets, staked out simply.

Pick a target and walk to it. A live arrow, distance and cut or fill guide you straight in — the same simple flow for points, lines and offsets.

- ✓ Stake points, lines and offsets with live guidance
- ✓ Any target: design points, CAD layers, cadastral lines, captured features
- ✓ Cut and fill: know exactly how far, and which way



Live in GeolantisNEO

SEE IT IN ACTION · LOCATE & MAP

Locate and map in one step.

Crews capture, visualise and document buried utilities straight from the field with their EM locator, then flow the result into a CAD and GIS ready deliverable.

- ✓ Simple field capture with Vivax-Metrotech & Radiodetection locators
- ✓ Offline first, with real time cloud sync
- ✓ CAD and GIS ready on the spot, less office rework



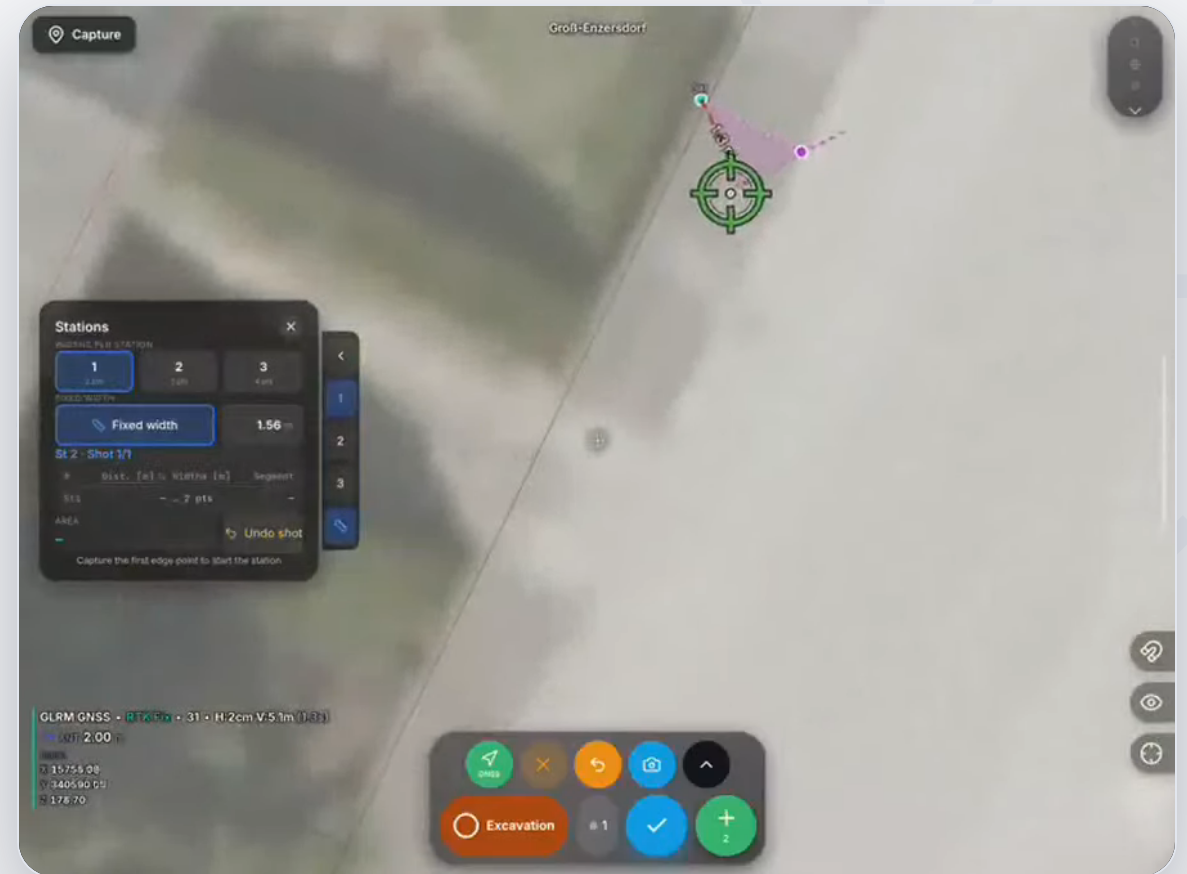
Live in GeolantisNEO

SEE IT IN ACTION · MEASURE & BILL

From excavation to invoice, measured once.

Walk the trench once. NEO lays a fixed width cross section at every station and totals the area live, then the finished run flows straight into a ready to bill report.

- ✓ Fixed width cross section at every station
- ✓ Area totalled live as you walk
- ✓ Finished run flows into a ready to bill report



Live in GeolantisNEO

THE GLRM INTEGRATION

Locate and survey in one step — to the centimetre.

Clip the pocket-sized GLRM receiver to your phone for survey-grade positions — or pair GeolantisNEO with the GNSS kit you already own. Use the hardware that suits the team; keep the data workflow consistent.

±1 cm

RTK positioning accuracy

< 20 mm

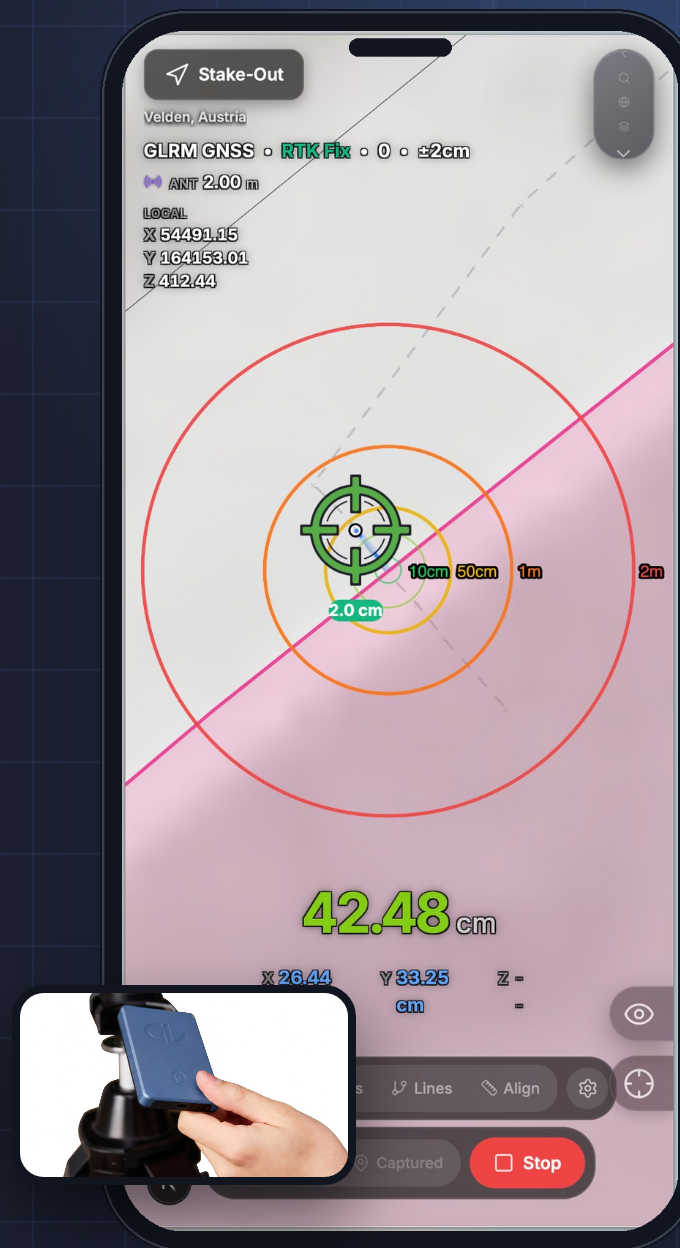
Tilt compensation at 60°

All

GNSS constellations

115 g

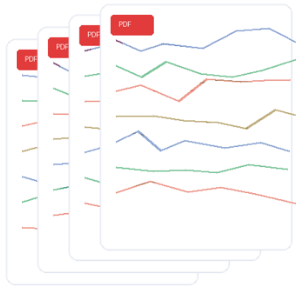
Pocket-sized · IP67 · 12 h



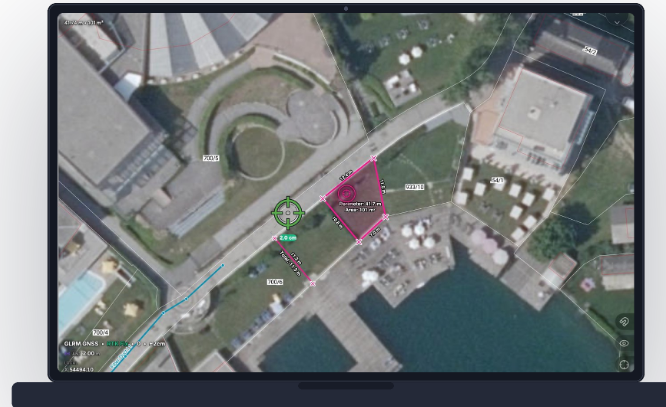
COMING SOON · SNEAK PEEK

From static PDFs to field-ready mapping layers.

Upload PDF utility maps, georeference them to real-world coordinates, and use them as live basemaps in the app — turning every plan, revision and site into one connected digital workflow. Built for **Utility Locators & Utility Mapping teams** that still rely on PDF-based utility information.



1 Upload PDF plans



2 Georeference in GeolantisNEO



3 Use in the field



Bring multiple PDF utility plans into a digital workflow



Align plans to the real world with control points



Use georeferenced PDFs as basemaps in the field



See live position & capture in better context

NO VENDOR LOCK-IN

Use the GNSS hardware **that suits your team.**

Connect the receiver you already own — or clip on the pocket-sized GLRM. Keep one consistent data workflow regardless of the kit in each crew's hands.



Also works with Topcon, Septentrio, Juniper, GeoMax & EOS · **EM locators** Radiodetection, Vivax-Metrotech, Subsite & 3M · or **any NTRIP / RTCM** correction source.

Captured on site. Usable in the office.



Automatic cloud sync

Field data flows to the office in real time; works offline and syncs later.



Professional deliverables

One-click DXF, GeoJSON, Shapefile and coordinate-aware PDF reports — no re-keying.



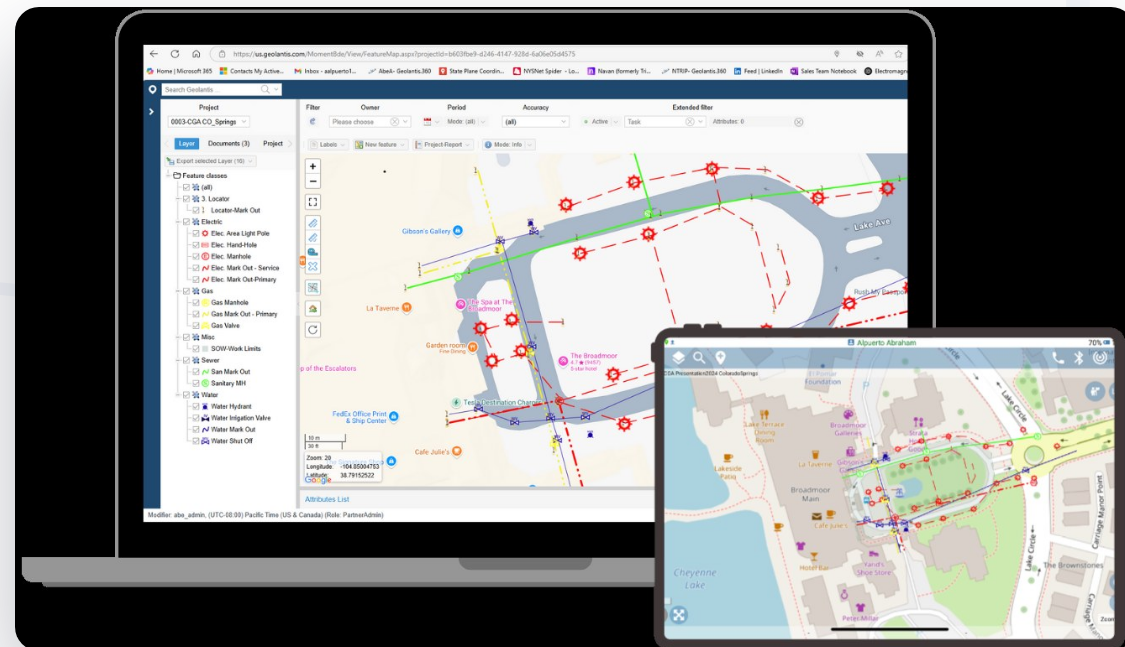
Defensible evidence

Every record carries location, time, photos and attributes you can stand behind.



One shared picture

Crews, project managers and the office share one live, trusted view of every site.



WHY IT'S DIFFERENT

Not another mapping app. A field-truth layer.

COMPARED TO	THE DIFFERENCE	WHAT WE SAY
Versus GIS tools	Powerful but office-centric and specialist-oriented.	Designed for the crews capturing data — not just the specialists managing it later.
Versus generic field forms	Capture information, but lack real spatial context.	Forms tell you what happened. Geolantis shows you what happened and where.
Versus survey / GNSS vendor software	Often tied to one hardware ecosystem.	Use the GNSS that suits your team. Keep the data workflow consistent.
Versus locate-management software	Manages jobs and dispatch, not field truth.	Job management says the work was done. Geolantis proves what was found.
Versus digital twins	Strategic, but only as good as the data behind them.	Geolantis feeds the real-world evidence layer into the twin.

START SIMPLE, SCALE TO ENTERPRISE

Begin with one crew. Grow into a standard.



ENTRY · GEOLANTISNEO

Start capturing

Single crews & small teams

- Map context, points, lines & photos
- Any GNSS — no lock-in
- Notes, attributes & basic outputs
- Cloud sync to the office
- Free to download, live in 20 min

Start free today



STANDARDISE · PROJECT & TEAM

Standardise workflows

Recurring projects & multiple crews

- Templates & structured attributes
- Reporting & export options
- Admin controls & repeatable use cases
- Role-based team access
- Consistent client deliverables

Repeatable, consistent delivery



GOVERN · GEOLANTIS360

Govern at scale

Enterprise & multi-region

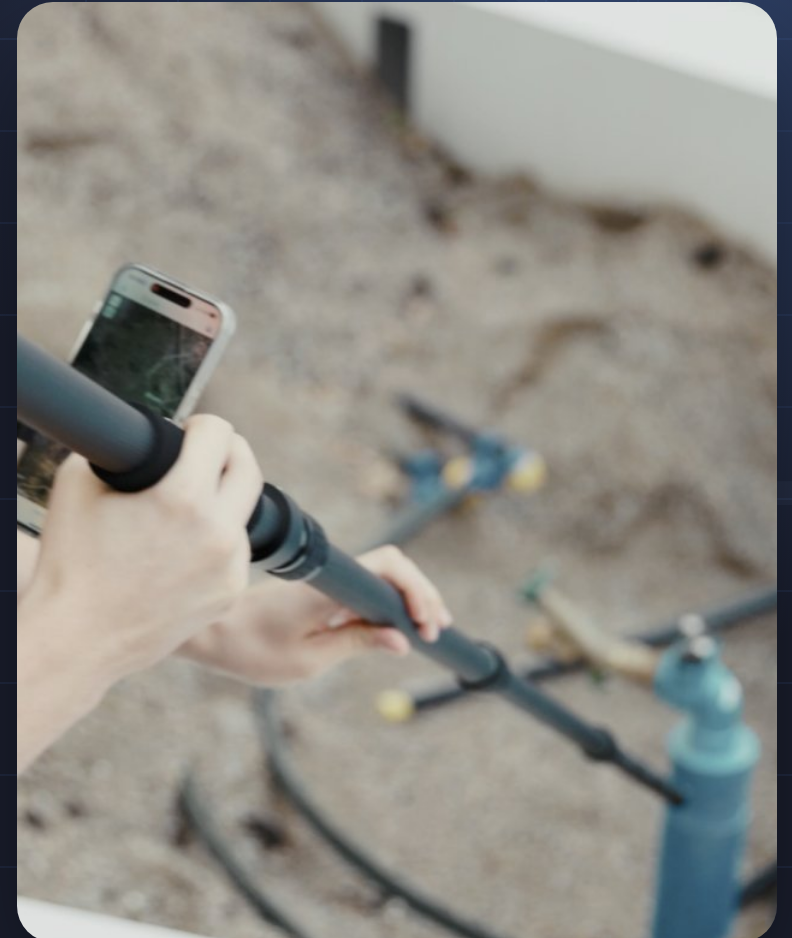
- Standard data models & integrations
- Contractor workflows & handover
- Compliance reporting & analytics
- SSO, audit & data residency
- Multi-team, multi-region deployment

One enterprise standard

05

Proven in the field

Hundreds of utility, construction and survey teams already turn field work into trusted spatial intelligence with Geolantis.



OUTCOMES

Less double-handling. Better records.

6×

FASTER FIELD CAPTURE

75%

LESS DOCUMENTATION TIME

±1cm

POSITIONING ACCURACY

1

TRUSTED RECORD, FIELD TO OFFICE

“

With GeolantisNEO, we reduced our documentation time by 75% while increasing data quality. Geolantis is now indispensable.



Manuel Leitgeb

Responsible for Planning & Surveying · DPB

SUCCESS STORIES

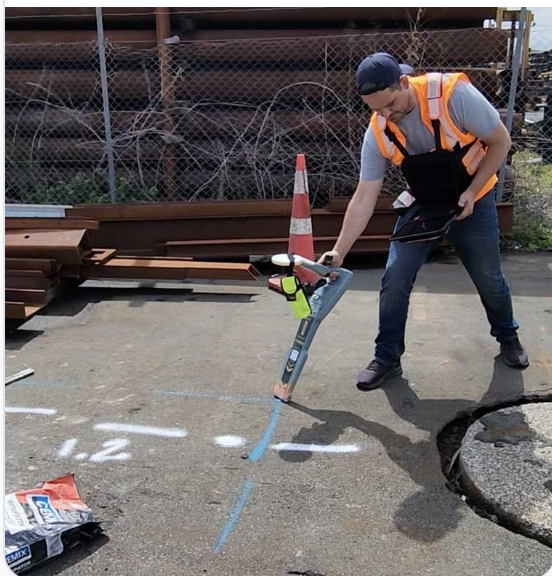
Real teams, real evidence.



USA · UTILITY LOCATING

160+ users since 2023

A nationwide locating firm standardised field documentation and evidence on Geolantis.



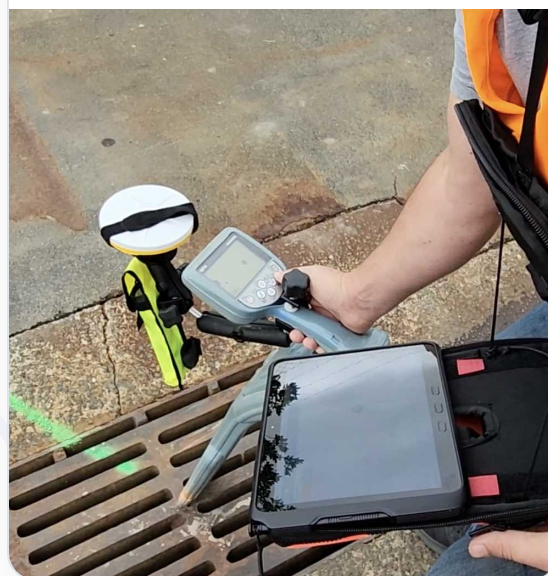
geolantisNEO



NETHERLANDS · HDD & UTILITIES

450+ users · 35,000+ projects

A leading contractor runs 100+ GNSS systems across its crews.



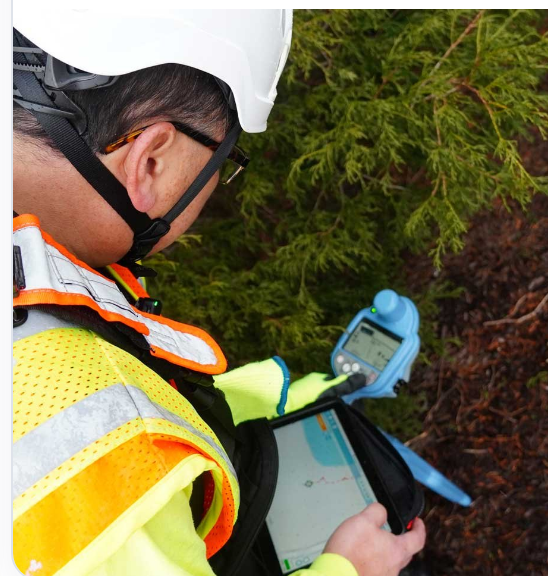
neo.geolantis.com



AUSTRIA · FIBRE

75% less documentation time

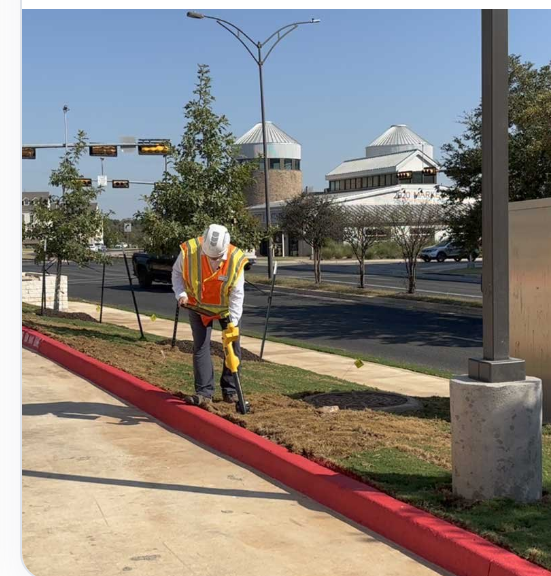
DPB documents fibre-optic builds with a custom field-to-CAD workflow.



USA · LOCATING

Locate + survey, live to client

GridHawk pairs Geolantis with Vivax vLoc3 RTK receivers.



TRUSTED BY

Current Geolantis clients across the field.

BACKED BY PELICANCORP

The global leader in spatial-risk solutions.

GeolantisNEO is built by PelicanCorp — with deep heritage protecting the world's essential infrastructure.

40+

Years industry experience

60M+

Notifications per year

9M+

Tickets per year

8,000

Serviced members

24

Global points of presence

GET STARTED

Two ways to turn field work **into trusted data.**

01 · DOWNLOAD THE APP

Try it on your **next site.**

Download GeolantisNEO and start capturing today — free, no credit card, live in about 20 minutes.



Free to download

neo.geolantis.com

SCAN TO DOWNLOAD THE APP



02 · GUIDED FIELD DEMO

Ready for a **guided field demo?**

See GeolantisNEO run on your own workflow with a data-collection consultant — from PDF plan to CAD/GIS export.

- ✓ Tailored to your industry & hardware
- ✓ Live capture, stakeout & export
- ✓ Your questions, answered by an expert

Book your field demo →

PelicanCorp · your local Geolantis representative
neo.geolantis.com/request-demo

