

SPATIAL INTELLIGENCE PLATFORM

GeoInsight AI

Turn any map area into instant intelligence

Interactive maps, open geospatial data, live IoT telemetry and frontier AI models in one platform. Draw an area, pick your sector, and receive a decision-ready briefing in seconds — with risk flags, opportunity scores and shareable reports.

14

Industry sectors covered

3

Products in one platform

2.1s

Typical insight generation

0

GIS expertise required

One platform, three products

GeoSense — AI location intelligence & analytics

GeoTwin AI — georeferenced digital twin with live IoT and predictive maintenance

Route Optimization — multi-vehicle, multi-modal routing with GLEC 3.1 carbon accounting

Explore and launch the platform at www.geolnsightAI.com

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Location Intelligence · Digital Twin · Route Optimization

Location decisions, without the GIS overhead

Traditional GIS assumes you already know what to look for. GeoInsight AI flips the workflow: describe the question or choose a sector, and the platform selects the layers, computes the metrics, and writes the answer in plain language.

The problem today

Spatial data is scattered across open portals, corporate databases and field sensors. Analysts spend days stitching layers together in specialist tools, and decision-makers still receive a map instead of an answer.

The GeoInsight AI approach

Select an area on the map, enrich it with open and enterprise data, then let AI produce sector-tuned insights, KPIs, risk flags and an exportable briefing — in one continuous workflow.

Who it is for

Retail expansion, real-estate investment, logistics and last-mile, utilities and energy operations, insurance underwriting, telecom rollout, agriculture, tourism and public-sector planning teams.

Why teams adopt it

Minutes instead of weeks to a defensible location recommendation, one shared source of spatial truth, and briefings that non-technical stakeholders can actually read and act on.

How it works

Three steps from a blank map to an actionable answer.

1 • Select

Draw a polygon, drop a point, define a radius or trace freehand anywhere on the world map.

2 • Enrich

Layer open datasets, custom POIs and IoT streams, or connect PostGIS, ArcGIS REST and OGC WFS.

3 • Analyze & act

Choose a sector context and get AI insights, a live twin dashboard or an optimized route plan.

Platform capabilities

From a single click on the map to enterprise-grade geospatial database connections.

Draw any area

Point, polygon, circle or freehand selection with controlled geometry editing — instant context for the exact footprint you care about.

AI-powered insights

Sector-specific intelligence, opportunity scoring and risk flags generated by frontier LLMs, with configurable insight categories.

GeoAnalytics workspace

Dedicated visualization pages with markers, clustering and heatmaps, plus dynamic auto-detected filters for any dataset.

GeoTwin AI digital twin

Photorealistic 3D tiles, buildings, facility zones, floors, infrastructure and BIM placeholders bound to live sensor streams.

Route optimization

Multi-stop, multi-vehicle routing with time windows, capacity, driver shifts, live traffic and one-click AI re-optimization.

Multi-modal & carbon

Road, rail, sea and air legs with GLEC 3.1 emission factors, optional Climatiq integration and cost/CO2 comparison.

Open & custom data

OpenStreetMap, weather, transit, air quality, climate risk and elevation sources — or import your own datasets.

Enterprise connectors

PostGIS, ArcGIS REST FeatureServer and OGC WFS with flexible auth: none, bearer, API key, basic or OAuth 2.0.

Custom POIs & fields

Save and share points of interest, and define your own additional POI fields per organization.

Multi-area comparison

Compare metrics side-by-side across candidate areas and rank them against your own criteria.

Shareable reports

Export AI briefings, maps, twin dashboards and route manifests as polished, stakeholder-ready reports.

Governance & privacy

Session-only credentials by default, role-based admin, and super-admin control over data layers and providers.

GeoTwin AI — your estate, live on the map

A georeferenced digital twin of your physical assets, fed by real telemetry.

Place substations, pipelines, towers, buildings, vehicles and sensors onto a photorealistic 3D twin of the real world. Stream IoT and SCADA telemetry, monitor asset health, predict failures before they happen, and fly the camera straight to any asset. The Operations Dashboard tracks total assets, active alerts, critical assets, sensor status, maintenance backlog, risk zones, energy usage and environmental indicators — with AI-written daily summaries, incident reports and prioritized recommended actions.

2D / 3D / Globe

View modes

Twin Builder

Zones, floors, infra, BIM

Live IoT

Sensor binding

Predictive

Maintenance alerts

Route Optimization — from plan to manifest

Standard and advanced routing for fleets, field service and multi-modal freight.

Constraint-aware solving

Depots, stops, fleets, time windows, capacity, skills and shift rules solved together.

Live re-optimization

Re-plan on demand when a new job arrives or a vehicle drifts off plan.

Multi-modal legs

Combine road, rail, sea and air with provider integrations managed centrally.

Carbon & cost

GLEC 3.1-aligned CO2 and cost per scenario, exportable with driver manifests.

Built for every location-driven team

Pre-tuned prompts, layers and KPIs per sector — switch context in one click.

Retail & F&B	Real Estate	Logistics & Last-Mile	Field Service
Utilities & Energy	Smart Cities	Insurance & Risk	Agriculture
Urban Planning	Telecom	Tourism & Hospitality	Public Safety
Banking	Healthcare		

Selected use cases

Every workflow starts with a click on the map and ends with a shareable briefing.

Retail & F&B

Catchment analysis and site selection: rank candidate units by demand, competition density and footfall signals.

Real Estate

Investment scoring and neighborhood briefings with amenity, transit and risk context per parcel.

Insurance & Risk

Underwriting support and catastrophe exposure across flood, wind, wildfire and climate indicators.

Energy & Utilities

Renewable siting, grid planning and twin-based predictive maintenance for critical assets.

Telecom

Network rollout and tower siting against population, terrain and existing coverage.

Urban Planning

Service-gap and equitable-access analysis across districts, with exportable evidence packs.

Architecture, security and administration

Enterprise-ready foundations with a self-service front end.

Modern cloud stack

React front end on an edge runtime with server-side functions, managed Postgres/PostGIS-ready backend, and row-level security on every table.

Authentication & roles

Email and Google sign-in, role-separated admin and super-admin surfaces, and per-organization configuration.

Data privacy

Custom POIs, sensor streams and connector credentials are session-only by default; nothing persists unless you save it.

Bring your own keys

Use built-in AI and map access, or supply your own model and mapping keys for full cost and provider control.

Super-admin control

Manage free data layers, run live OSM/Google/other provider connection tests with JSON and map previews, and enable or disable layers.

Extensible add-ons

Route providers, insight categories and POI fields are configurable, with a customer add-on request workflow.

Start analyzing locations today

No credit card required. Free public datasets included out of the box. Free sample sector reports available on every case study page.

www.geolnsightAI.com

Launch the app · Browse case studies · Request a guided demo
hello@geolnsightai.com | www.geolnsightAI.com

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