



Spatial AI

Turning raw data into **rich, usable insights.**

Spatial AI revolutionizes public space management by providing scalable, digital asset intelligence that empowers professionals to make confident, data-driven decisions.

Through advanced extraction of location, inventory, and inspection details from imagery and LiDAR point clouds, Spatial AI replaces manual processes and fragmented records with reliable, actionable insights.

Key features

- AI-powered object detection on panoramic imagery and point clouds
- Combines visual and spatial analysis for accurate classifications
- AI models evolve through customer feedback and quality checks
- Supports version control, time comparison, and change detection
- Ready for integration with GIS platforms, asset management systems, or custom viewers
- Supports multiple levels of detail based on project requirements:

Location: x, y, z geometries

Inventory: asset information (e.g., type, material, dimensions, etc.)

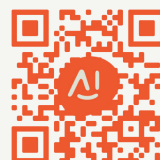
Inspection: damage or condition details



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**AI-INFRA
SOLUTIONS**





Asset types

Spatiall AI supports a wide range of asset types, each with tailored levels of detail based on detection capabilities.

Category		What's detected
Traffic signs		Location, Inventory, Inspection
Light poles		Location, Inventory, Inspection
Utility poles		Location, Inventory, Inspection
Road markings		Location, Inventory, Inspection
Surface types		Location, Inventory, Inspection
Trees		Location, Inventory
Street furniture		Location, Inventory

From raw reality to reliable results

Spatiall AI offers a scalable, repeatable way to extract asset data, without fieldwork, forms, or guesswork. The invisible engine powering your insights: fast, accurate, and always improving. Spatiall AI is a core component of the Spatiall end-to-end solution, working seamlessly alongside Origin, OS, and Studio to deliver complete geospatial intelligence.

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