

# Sign Digitization and Audit



## Automated End-to-End Sign Audit Solution

AI-powered asset mapping solution for city councils & asset managers responsible for roads & Transportation.



## Cost effective & Extremely Portable

Extremely easy-to-use at an affordable cost enabling widespread coverage of all areas



## Highly Accurate

Centimeter-accurate GPS & GIS positioning of all assets within your jurisdiction.



*"Welcome to the data fusion evolution – We use lightweight Machine Learning-capable devices and power our solutions with software that streamlines the extraction of hyper-accurate data, both statically and in motion, from all urban arterial roads and motorways. We do this with a combination of high-resolution cameras, multi-spectral vision, GPS and video analytics."*

Subhash Challa, CEO, SenSen



*"Parking officers can identify valid visitors within parking facilities through whitelists & blacklists."*

Brisbane City Council, Australia



*"Asset mapping is mandatory as the city meter inventory updates every day."*

Chicago Parking Meters, United States



*"Council requires accurate asset information to comply with state & federal road safety programs."*

City of Greater Geelong, Australia



*"Records of road asset defects were assessed by interrogation of Council's record via electronic reports."*

The Hills Shire Council, Australia



## Solution Overview



Our SenSIGN solution accurately detects, classifies & interprets all assets throughout a city including parking signs, traffic signs, line markings, poles, trees & billboards. Capture all assets for import into your Geographic Information System (GIS) package.

### HARDWARE DESIGN

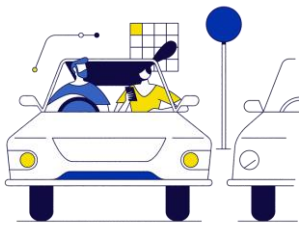
- Unique roof-mounted enclosure (POD) compatible with all vehicle types
- Centimetre-accurate GPS with RTK corrections
- High-resolution cameras which can operate day & night

### EDGE FEATURES

- SenSen's in-house road asset detection software
- Patented state-of-the-art road asset GPS location
- Recorded high-resolution videos
- Seamless integration with SenSen's cloud-hosted back office system (BOS)

### BACK-OFFICE SYSTEM FEATURES

- Secure relational database for central management of assets
- Review interfaces for asset audits
- Survey of assets by precise location
- Drawing enforcement zones with business rules
- APIs to export audited data to GIS systems



## The Benefits

Evaluating road infrastructure can be time consuming & subjective. Our solution enables you to conduct faster & cheaper surveys, with all data contained in one location.

### ALL-IN-ONE SOLUTION

- Low cost, rapid deployment, operation ready
- Fully automatic, end-to-end solution
- Edge processing & cloud data central management

### PRODUCTIVITY & SAFETY

- Automate monotonous, laborious tasks
- Minimize time to conduct surveys
- Eliminate the need for foot patrols

### INTEGRATION & CUSTOMIZATION

- Seamless integration with existing systems
- Parking zone data can be used for enforcement
- Option to align with patented SenFORCE product



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