

Sign Digitization and Audits



Automated end-to-end signage asset audit solution

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



Cost effective and extremely portable

Extremely easy-to-use at affordable cost. Expand the coverage to all areas.



Highly accurate

Centimeter accurate GPS and GIS positioning of the captured assets.



“Enter 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 or in motion, on urban arterial roads and motorways by combining high-resolution cameras, multi-spectral vision, GPS and video analytics.”

Subhash Challa, CEO - SenSen Networks



“Parking officers can identify valid visitors within parking facilities through whitelists and blacklists.”

Brisbane City Council, Australia



“Asset mapping is mandatory as the city meter inventory updates everyday.”

Chicago Parking Meters, United States



“Council requires accurate asset information to comply with state and 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



SenSIGN accurately detects, classifies, interprets parking, traffic signs, line markings, poles, trees, billboards, and other assets owned by cities and generate data for import into City council's Geographic Information System (GIS) package.

HARDWARE DESIGN

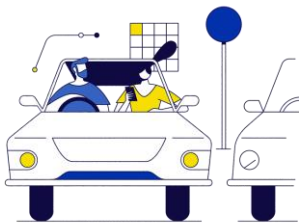
- Unique roof mounted enclosure (POD), which is compatible with every vehicle
- Centimetre accuracy GPS with RTK corrections.
- High resolution cameras which can operate in day and night.

EDGE FEATURES

- SenSen's inhouse road asset detection software
- Patented state of the art road asset GPS estimation
- Recorded high-res videos
- Seamless integration with SenSen's cloud hosted back office (BOS)

BOS FEATURES

- Secured 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 the audited data to GIS systems



The Benefits

Evaluating the road infrastructures can be time consuming, and subjective. To conduct the surveys faster and less expensive to maintain, councils need the right tools.

ALL-IN-ONE SOLUTION

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

PRODUCTIVITY & SAFETY

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

INTEGRATION & CUSTOMIZE

- Seamless integration with existing systems
- Parking zones data can be used for enforcement
- Option to upgrade the software to switch to SenFORCE product

