

Road Works Signage Audit



Automated End-to-End Sign Audit Solution

AI-powered asset mapping solution for city councils and asset managers responsible for roads & transportation



Cost Effective & Extremely Portable

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



Improve Productivity

Guide motorists along preferred routes, maximize compliance & minimize losses from objects blocking paid parking spaces



"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 and blacklists."

Brisbane City Council, Australia



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

Chicago Parking Meters, United States

Why Road Works Signage Audit

SOLUTION OVERVIEW



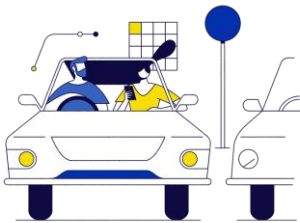
Our solution accurately detects all road work signs including closure signs, dumpsters, construction signs, construction cones, construction vehicles & construction equipment. All data is imported into a client's Geographic Information System (GIS) package.

HARDWARE DESIGN

- Unique roof-mounted enclosure (POD) compatible with every vehicle type
- 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 (BOS)



BACK-OFFICE 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 the audited data to GIS systems

KEY FEATURES



- Collection of information on zone-wise parking occupancy
- Detection of all objects creating a blockage
- Detection of sign boards and precise location
- Identify location & zone ID using a combination of GPS & database of reference images stored
- Generate real-time alerts when objects other than vehicles block public spaces

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



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