Road works Signage Audit

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.

Improve Productivity
Solution shall help dictate enforcement routes to maximize compliance, and minimize losses associated with closure objects blocking paid parking spaces

"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

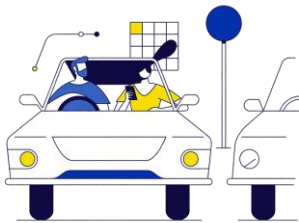# Why Road Works Signage

SOLUTION OVERVIEW

Our solution accurately detects road work signages such as closure signs, dumpsters, construction signs, construction cones, construction vehicles, construction equipment, etc Within a city councils' location and generates data for import into City council's Geographic Information System (GIS) package.

HARDWARE DESIGN

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

EDGE FEATURES

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

BACK-OFFICE 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

KEY FEATURES

- Collection of information on zone wise parking occupancy
- Detection of all object blocking the roads
- Detection of sign boards and determine their GPS coordinates to very high accuracy
- Identifying the location and Zone ID using a combination of GPS and database of reference images stored
- Generate real-time alerts when objects other than vehicles block the spaces managed by city council or land transport authorities

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 patrols