

Digitization of city assets & Audit



Innovative Business solution

AI-powered business solution that digitises key Information for the scene



Easy integration

Build functionality into the existing application that allows the motorist to decipher parking information.



Improve Productivity

Solution shall help Decipher the signboard image and provide relevant data specific to the signboards



"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."

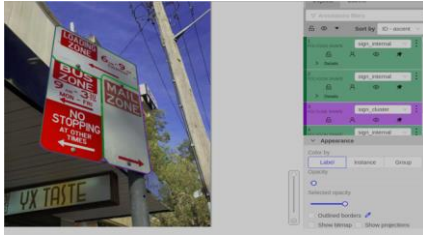
Subhash Challa, CEO - SenSen Networks



"Digitization of assets is important to provide better parking experience and empower the world to travel smarter."

Ubi Park, Australia

Why Digitization of city assets & audits



Solution Overview

Solution uses image mapping technology to process to simplify the complex and clustered parking signs with multiple parking rules, whilst ensuring the safety of the users and compliance with regulation without having to alter the physical infrastructure on the street.

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

KEY FEATURES

- Collection of information on zone wise and categorize as per signs
- Identifying the location and Zone ID using a combination of GPS and database of reference images stored
- Detection of sign boards and determine their GPS coordinates to very high accuracy
- Maintaining a database of assets and the metadata information based on geolocation
- Cloud service for matching the input image to find the target objects in the reference image
- Returning the metadata of the matched reference image

ALL-IN-ONE SOLUTION

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

BUSINESS OUTCOMES

- Increase car park utilization,
- Providing the value of their asset to city councils
- provide an exceptional customer experience by decoding the parking signs

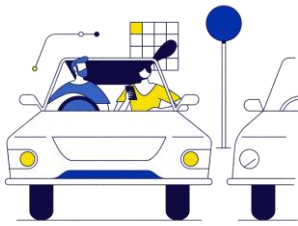


Photo of Sign Board



GPS Location



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