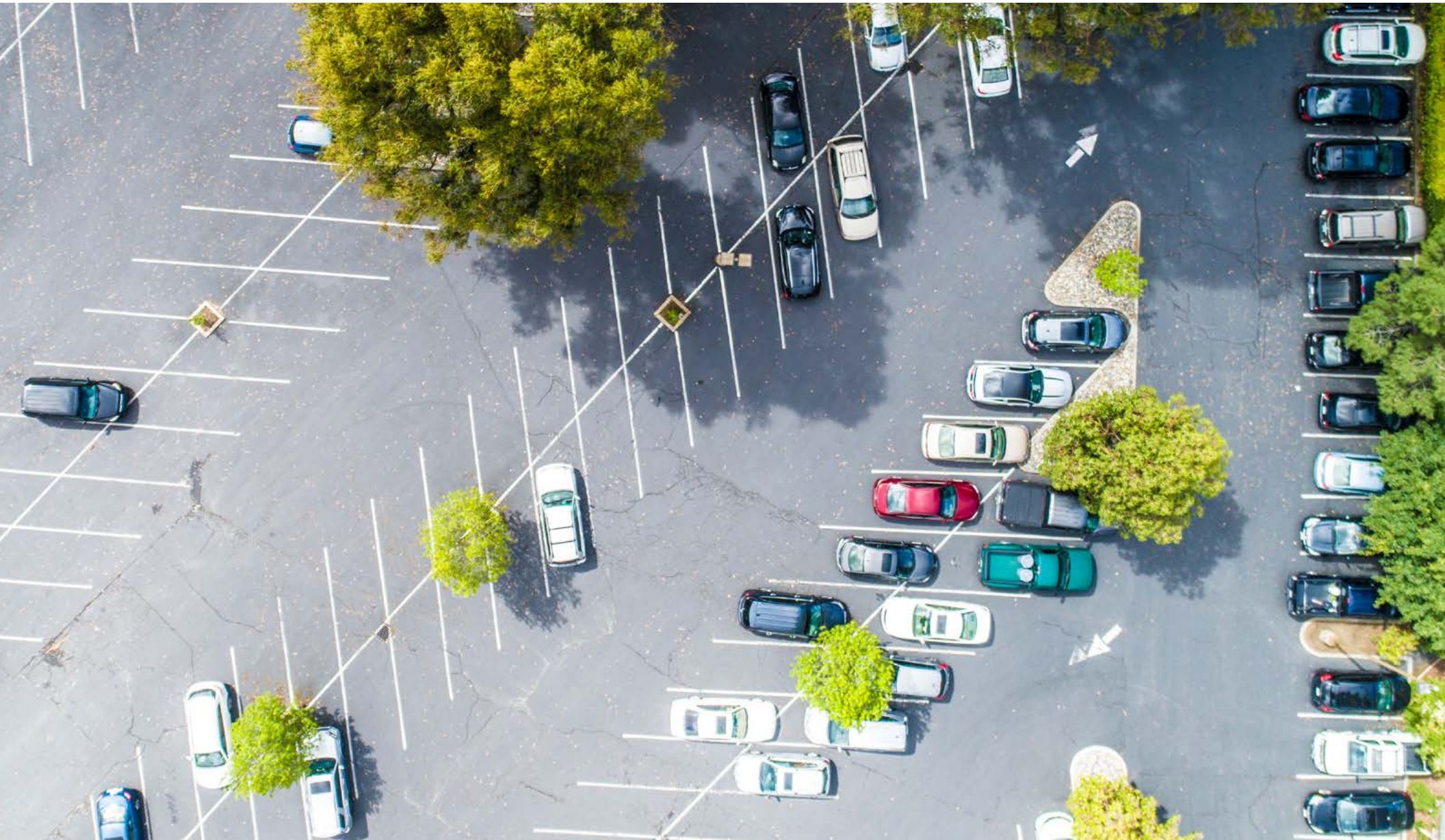
SenthiSYS™

Smart Parking Sensor Network

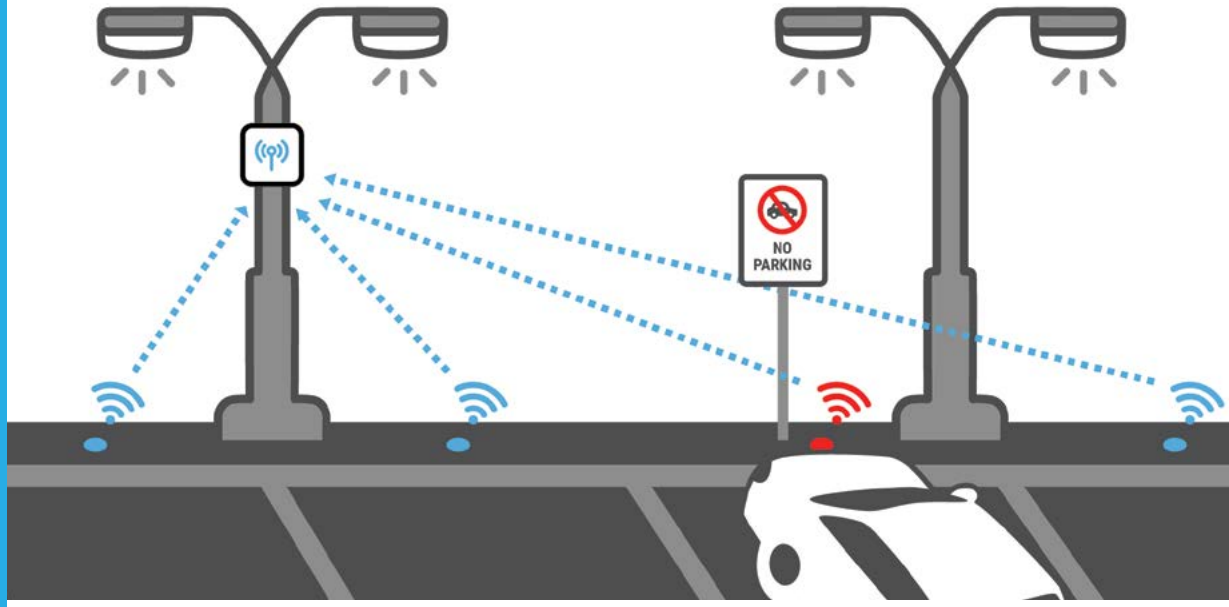
PNI SENSOR CORPORATION



The SenthiSYS Smart Parking Solution

Smart parking solutions should allow municipalities to better understand their parking inventory availability and constraints, automate the process of identifying and enforcing violations or other parking regulations, and track time-of-use trends. This solution should lead to lower operating costs, increased revenues, and better decisions about new parking infrastructure investments.

Our solution allows you to meet these objectives without having to rip and replace existing hardware or software, as our solution can integrate with most leading meter hardware and software vendors that do not have sensor detection capabilities. By being able to integrate with many third-party parking solutions, municipalities can minimize stranded assets.



Smart Parking Sensor Network

The SenthiSYS smart parking sensor network is designed to provide a municipality with an affordable, simple, and reliable way to manage parking and enforcement for street, lot, and "no parking" spaces. Our parking solution is not a "big hardware" approach – instead, we use rugged, ground-mounted wireless sensors to automatically detect and report when a space is occupied or available. We provide an easy-to use reporting, mapping, and notification application that also integrates with most parking payment systems, traditional hardware solutions, and customer parking applications.

With tools to automatically detect parking violations, your field teams can now avoid unproductive drive-byes and focus on more productive enforcement actions. In addition, parking inventory data can help inform decision-making when engaging with local community shop owners, businesses, and citizens about their parking needs.

Smarter Networks from SenthiSYS

Sensor networks can uncover hidden insights that allow municipalities to make more timely and accurate operating decisions. SenthiSYS designs solutions on a single wireless platform so that municipalities can realize operating efficiencies, experience financial benefits, and gain economies of scale.

Alternative wireless technologies, such as LoRaWAN, along with a new generation of small-form and intelligent sensing devices, have changed the economics behind smart solutions. LoRaWAN was developed to meet most smart sensor-driven applications that need a dedicated network without bandwidth competition from consumers or other users. LoRaWAN provides wide-area coverage, low-power, open-standards interoperability between devices, and secure and reliable connectivity… but without expensive high bandwidth (e.g. video) cellular or broadband networks.

Our Services

SenthiSYS offers clients an end-to-end smart solution. We help municipalities design, procure, install, and manage their sensor networks and their data. We work with trusted vendors and leverage proven project and change management methodologies to mitigate the risks associated with deploying new technologies. While we are vendor agnostic, we do believe that municipalities can realize significant financial and operational benefits by installing a single wireless network with a consolidated data management platform.

Features

- Low-profile, ground-mounted sensors
- Up to seven years of battery life
- PNI's PlacePod™ Vehicle Detection Sensors offer the industry's most accurate magnetic sensing and vehicle detection algorithms to optimize parking sensor accuracy.

Benefits

- Real time monitoring of parking occupancy for street, lot, and "no parking" spaces.
- 24/7 parking dashboard, reporting, and notifications from any device.
- Integrates with other parking payment, hardware, and citizen parking applications.
- Operates on a secure LoRaWAN network dedicated to smart-city applications and does not compete for bandwidth demand on the internet or cellular networks.

MeterSYS is a smart solutions consultant and systems integrator. SenthiSYS is our brand of our end-to-end smart community solutions. We have been delivering smart infrastructure solutions since 2015, primarily in advanced metering solutions, and our expertise is providing our public clients with an end-to-end reliable and cost-efficient wireless sensor network solution. We have expertise in vendor evaluation, bidding and procurement, project management, installation, systems integration, change management, and data management analytics and services.

Headquarters

Caviness Building
703 West Johnson Street
Raleigh, NC 27603

West Region

333 University Avenue
Suite 200
Sacramento, CA, 95825

www.metersys.com

Tel: 844.881.8685
Fax: 336.790.5510

info@metersys.com