Make your City more livable

A smarter, safer, easier and more comfortable driving world with Tinynode’s advanced and effective wireless vehicle detection systems

**Smart Car Parking**
Off-street and on-street parking, indoor and outdoor facilities, multi-storey car parks, time-limited parking lots, special spaces monitoring and law enforcement assistance

**Smart Truck Parking**
Truck rest and service areas along highways and expressways, coach parking lots

**Smart Urban Networks**
Interoperable Wireless IoT and Wireless Highspeed IT networks to manage and control multiple key urban services over a single infrastructure

**Key benefits** of Tinynode solutions:
- Reduce urban traffic up to 30%
- Increase average usage rates of parking facilities
- Remotely monitor and control parking lots, reducing maintenance costs and taking advantage of a full range of parking-related data
- Allow an easier, quicker, cheaper and more relaxed parking search
- Enable parking guidance systems and offer drivers additional services
Our systems

Key features:

- Self-configuring, multi-hop and self-healing wireless network, operating on SubGHz radio frequencies
- Easy to install, low maintenance complexity and costs
- Robust to stand harsh outdoor conditions
- Scalable and flexible, easy integration with third party systems

G4 gateways
Local data collection point of any Tinynode’s vehicle detection solution, as well as main interface to third party systems

Easy to install, it needs to be placed in a technical cabinet. It features an Ethernet, TPC/IP based REST interface, with a web interface for quick setup, software update and maintenance

CT4 configuration tool
Allows radio parameter configuration for all Tinynode vehicle detection elements

Parking Sensor Fusion
Unique software technology to generate virtual sensors by integrating parking occupancy data coming from different sources and systems

Based on a patented algorithm which couples vehicle occupancy data coming from Tinynode car sensors with video images, radar signals or other sources

Returns a univocal piece of information about parking status with the smallest possible margin of error

Want to learn more about successful Smart Parking projects around the world? Need to download our product brochures?

Visit www.pdxeng.ch/tinynode
R4 and SR4 repeaters
Self-configuring and self-healing device to ensure reliable wireless networking of Tinynode vehicle detection sensors

Battery-powered. Standing harsh weather conditions, it can be placed either indoor or outdoor, preferably mounted on walls or poles

SR4 super repeater available for any situation where sensors are located several hundred meters from a G4 gateway

A4 and B4 car sensors
Simple, cost-effective and reliable way to detect if a parking space is occupied by a car

Wireless and battery-powered

Designed to be fixed onto the road with either screws or glue (A4) or set into the road surface (B4). Tinynode sensors operate on sub GHz radio frequencies and grant battery life up to 10 years. IP68 protection grade, perfectly suitable for outdoor installations

High-sensitivity A4-H and B4-H versions available for heavy goods vehicle (HGV) rest and service areas

Innovative Smart Parking solutions
Seamless integration with mobile apps, variable message panels and traffic guidance systems

Enable additional services such as real-time parking guidance, online booking and payment services, parking coupons and valet services for shops and local businesses, and more
Tinynode
Parking, smarter.

A PARADOX ENGINEERING COMPANY

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