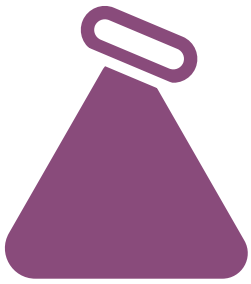
Cleverciti Sensor

Project Goals

The Parking Sensor project will:

- Provide real-time Parking Utilization Data
- Support Downtown parking enforcement
- Reduce traffic from vehicles circulating in search of a free parking space



Cutting-edge technology for clever parking

The Cleverciti Sensor can cover up to 100 parking spaces and can be easily installed on existing infrastructure, such as lampposts, buildings or masts. With a range of up to 220 degrees, the sensors measure the exact GPS position and size of open parking spaces.

Purposefully built for parking operations, the sensors are fully compliant with privacy regulations — all image processing occurs “at the edge” and only metadata leaves the sensors.

Comprehensive parking data

Cleverciti’s Sensors are the only smart parking sensors that harness the power of sophisticated edge computing, artificial intelligence, and deep learning to accurately identify parking space occupancy. Cleverciti’s global sensor network uses deep learning to enable each sensor to learn from the others, ensuring peak performance.

How does edge computing work with the Cleverciti sensor?

The processing of the data generated by the sensor occurs within the sensor itself, meaning that only metadata leaves the sensor. This not only minimizes bandwidth costs but also ensures that the smart parking system is fully compliant with privacy regulations.

Can Cleverciti sensors detect in all weather conditions?

Cleverciti Sensors can detect available parking spaces as well as parked vehicles even in extreme weather or low-light conditions. A built-in stabilizing system compensates for pole shake and vibration such as is caused by strong winds.

What data is collected?

Cleverciti sensors collect vehicles parked or not parked in observed parking spaces. No personal identifiable data is being collected. The sensor do not collect video footage or license plate information.

City of Bend Contact:

Tobias Marx, Parking Services Division Manager (parking@bendoregon.gov)