Smart Parking •

O Cleverciti

Systems

HELPING CITIES AND

MOTORISTS MAKE THE MOST

OUT OF PARKING SPACES.



Cleverciti Systems

Cleverciti Systems: the company that turns the daily nightmare of searching for a parking space into a predictable, stress-free experience.

Cleverciti Systems is a disruptive big data company, system and sensor technology for smart on-street and open-air parking. We aim to reduce search traffic and CO2 emissions, and help solve some of the most urgent challenges facing cities today!

Each sensor detects and analyzes up to 100 parking spaces. The data analysis and data processing are handled inside each sensor.

Cleverciti Systems for cities, public and private open-air parking operators and advertisers: Our new sensor technology helps increase revenues while decreasing traffic jams and air pollution levels.

Cleverciti Systems for citizens and drivers: Our app provides a live overview of free and occupied parking spaces, and guides drivers directly to the nearest free space in the immediate vicinity. No more driving endlessly around the block!

CHALLENGES TO MOTORISTS



20 min.

Average time spent to find a parking space, worldwide

3 years

The average Parisian wastes looking for parking over their lifetime.

1000€

and more loss per year 20 minutes at € 16 per hour = € 5,00+ per search



...of traffic is caused by motorists looking for parking

CHALLENGES FOR CITIES



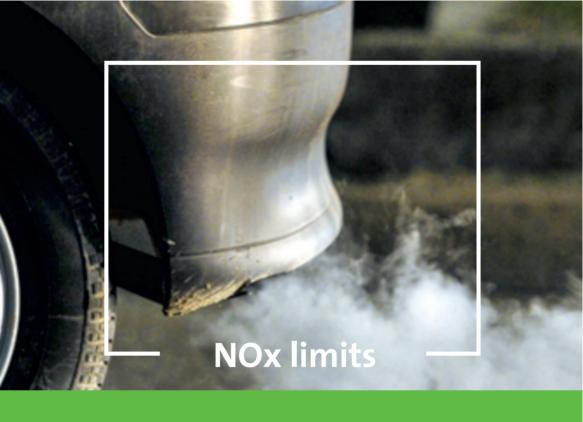




Cities lose hundreds of millions of Euros each year due due to high cost of parking monitoring and lack of dynamic pricing. Cities only capture a small portion of its parking revenue potential.

50% to 80% of motorists don't pay for parking and only a fraction get a

Cities are compelled to urgently implement solutions to decrease pollution levels (NOx emissions) or they will be forced to pay heavy fines.



...regularly exceeded in inner cities

CLEVERCITI SOLUTIONS



O Cleverciti Systems

For Cities

For Parking Operators







- Decrease traffic and pollution
- Optimise asset usage by implementing free floating parking
- Improve monitoring & fraud detection



- Identify available spaces at your destination
- Benefit from automatic guidance
 - Pay by mobile
 - Find your car
 - Avoid fines and get reminder





1. CLEVERCITI SENSORS

Cleverciti sensors is a disruptive technology, based on image processing, which reliably and systemically identifies available and occupied parking spaces in real time.



1. Low total cost of ownership

One sensor can cover up to 100 parking spaces, depending on street configuration. The installation is easy and does not require civil works. The sensor can be mounted on building facades, masts, or lamp posts.



2. Efficient (free-floating spaces)

The sensor scans the entire street and identifies available and occupied-spaces. The sensor measures the size of the available spaces. The status of each space is updated 20 times per minute, or every 3 seconds.

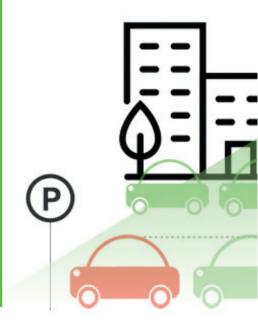


3. Reliable

The sensor transmits coded GPS positions via Wifi or mzm. It does not require heavy maintenance (no batteries to change, climate change-resistant, no danger of vandalism). No videos transmitted by sensor, all privacy laws are fully respected.

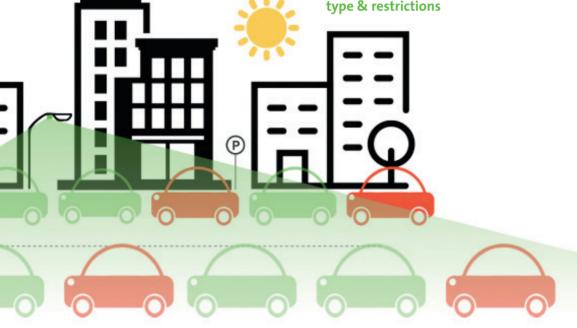
CLEVERCITI SENSORS

- Scope of 30 to 100 parking spaces
- Precision to 0,0005 degrees
- Complete data analysis and data processing inside the sensor
- Reliable performance despite changes in temperature and light
- Compensation for wind and vibration
- M2M and Wifi data transmission
- Data updated every 3 seconds
- 98,5% level of reliability



CLEVERCITI SENSORS analyse

- Available and occupied parking spaces
- Size of each parking space
- Duration of parking event
- Classification according to usage type & restrictions



CLEVERCITI SENSOR LR7100







Dedicated to large on-street parking areas and surface parking lots 30 to 100+ parking spaces per sensor Reach: 15 to 400 meters Remote adjusting with high precision remote control head

CLEVERCITI SENSOR NF5640-120







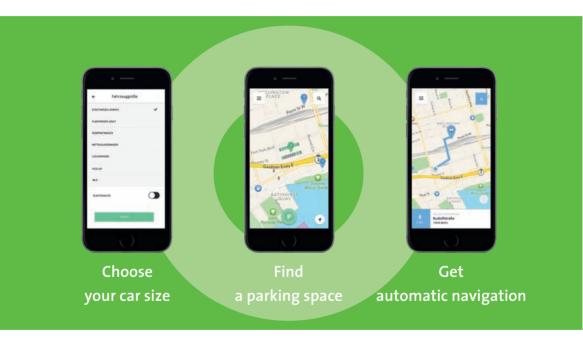
Dedicated to lamp poles and onstreet parking 16 to 30+ parking spaces per sensor

Reach: 6 to 100 meters



2. CLEVERCITI APP

for motorists

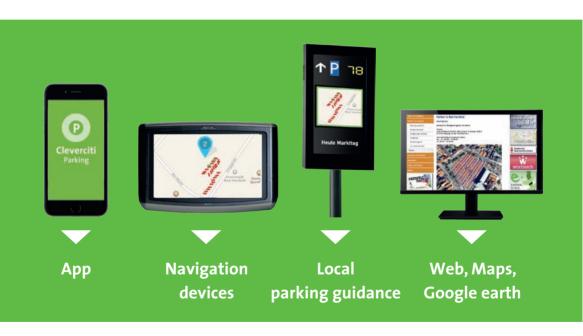


Find a parking space in your city

save time, save money and avoid stress.

Communication of real time information

to motorists via:



Communication of real time information

to the city manager or parking operator via:

3. CLEVERCITI COCKPIT

The back-office interface gives city managers access to powerful monitoring & control features.



Access to live control and occupancy data, to enable better decision making based on real facts.



Generate additional revenues by optimizing the usage of the space dedicated to parking, and by adapting the pricing dynamically.



Reduce the cost of monitoring and control, by prioritizing the streets to verify. The cockpit lists the streets which count the highest number of infractions.

WITH CLEVERCITI SYSTEMS

1. INCREASE PARKING REVENUE

Up to 80% of drivers do not pay for parking. Most cities are unable to capture the potential revenues from one of their most important assets: space dedicated to parking. Cleverciti can provide real-time information about the location of available parking spaces, and incentivize drivers to pay for parking.

2. DECREASE TRAFFIC AND POLLUTION

30% to 40% of traffic and subsequent pollution is caused by drivers looking for parking. Cleverciti solutions can decrease traffic & pollution, reduce required time & distance to park by 30% or more and help drivers make smart parking decisions based on facts, not luck.

WITH CLEVERCITI SYSTEMS

3. REDUCE COSTS BY OPTIMIZING MONITORING

Monitoring parking (appropriate usage of dedicated zone: delivery, handicapped, limited duration parking, etc.), and implementation of the control process (verification & identification of non-compliant cars, etc.) are time consuming and expensive processes that reduce cities' profit margins. By using Cleverciti, a city can optimize its monitoring and control processes to decrease the costs of parking management.

4. BECOME A SMART CITY CHAMPION

Cleverciti offers additional value added features, such as dynamic pricing implementation or management of charging points & shared cars parking spots.

CLEVERCITI TESTIMONIAL



"Needless to say, what a great relief it is to now have a reliable parking guidance system in Bad Hersfeld. In the next few months we can eliminate a problem that caused a lot of trouble to our citizens and has cost a lot of money. For me it's also important that we will save large amounts of CO2 emissions through this system, because anyone who wants to park his car can finally do so without endless circling."

Thomas Fehling, mayor of Bad Hersfeld, Germany



O Cleverciti S y s t e m s

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