




fastprk 

 urbioica

SMART PARKING
SOLUTIONS

UP TO 30% OF CITY CONGESTION IS CAUSED BY DRIVERS SEARCHING FOR PARKING SPACES



Inadequate data about vacant parking spaces



Lost profits from vacant parking spaces and fraud



High construction cost of new parking spaces

END-TO-END OUTDOOR SMART PARKING SOLUTIONS

Fastprk's wide range of integrated hardware and software products addresses many outdoor parking problems and creates easy solutions:



Data collection

Wireless sensors and/or video analytics using Artificial Intelligence for reliable detection in any scenario



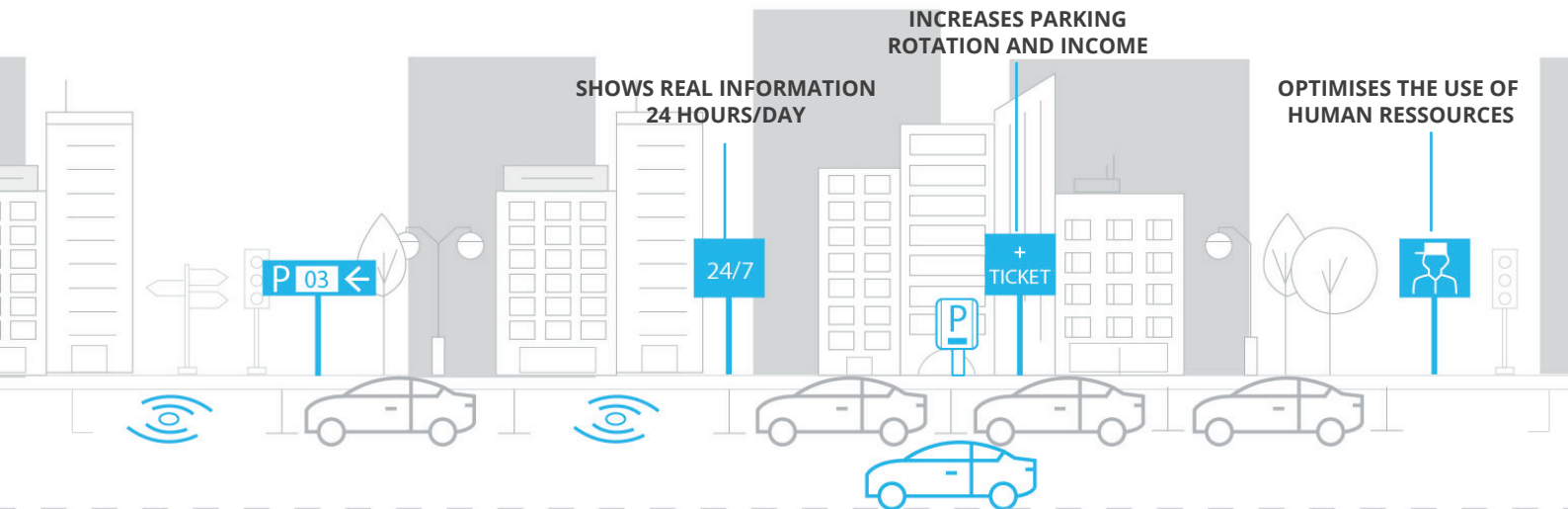
IoT Connectivity

Connectivity adapted for customer use



Guidance and control

Software, displays and applications for all parking issues



REDUCES FRUSTRATION



REDUCES ACCIDENTS



OPENS THE WAY TO NEW PARKING STRATEGIES



REDUCES CO2 EMISSIONS



SCALABLE, ROBUST AND RELIABLE



DETECTS UNAUTHORISED USERS AND PARKING OFFENCES



DRASTICALLY REDUCES PARKING SEARCH TIME

PARKING GUIDANCE



HELPS DRIVERS TO FIND A PARKING SPACE QUICKLY

The Smart Parking guidance solution detects the presence of vehicles in spaces and areas to be monitored and transmits the information to drivers through variable message signs and guidance APPs. The information is kept constantly up-to-date and displayed to users simply and intuitively.

Benefits

- ▶ Parking is a quicker process
- ▶ Reduces congestion and pollution
- ▶ Improves satisfaction and well-being
- ▶ Stimulates local trade
- ▶ Optimises parking resources
- ▶ Drivers can adapt their route efficiently

URBAN



PARK & RIDE



CORPORATE



SHOPPING CENTRES



TRUCKS



PARKING CONTROL



OPTIMISED ON-STREET PARKING CONTROL OPERATION

The On-Street Smart Parking control solution detects if the vehicles are correctly parked according to City regulations. Whenever a violation is detected (payment default, maximum time exceeded, unauthorized user), the agent is immediately notified and can check and fine the offender.

Benefits

- ▶ Compliance with parking control policy
- ▶ Reduces control costs
- ▶ Increases available parking spaces
- ▶ Improves urban mobility and driver satisfaction
- ▶ Enhances the environment

PAY-BY-SPACE



FREE TIME LIMITED



REDUCED MOBILITY



LOADING & UNLOADING



ELECTRIC VEHICLES



PARKTIME

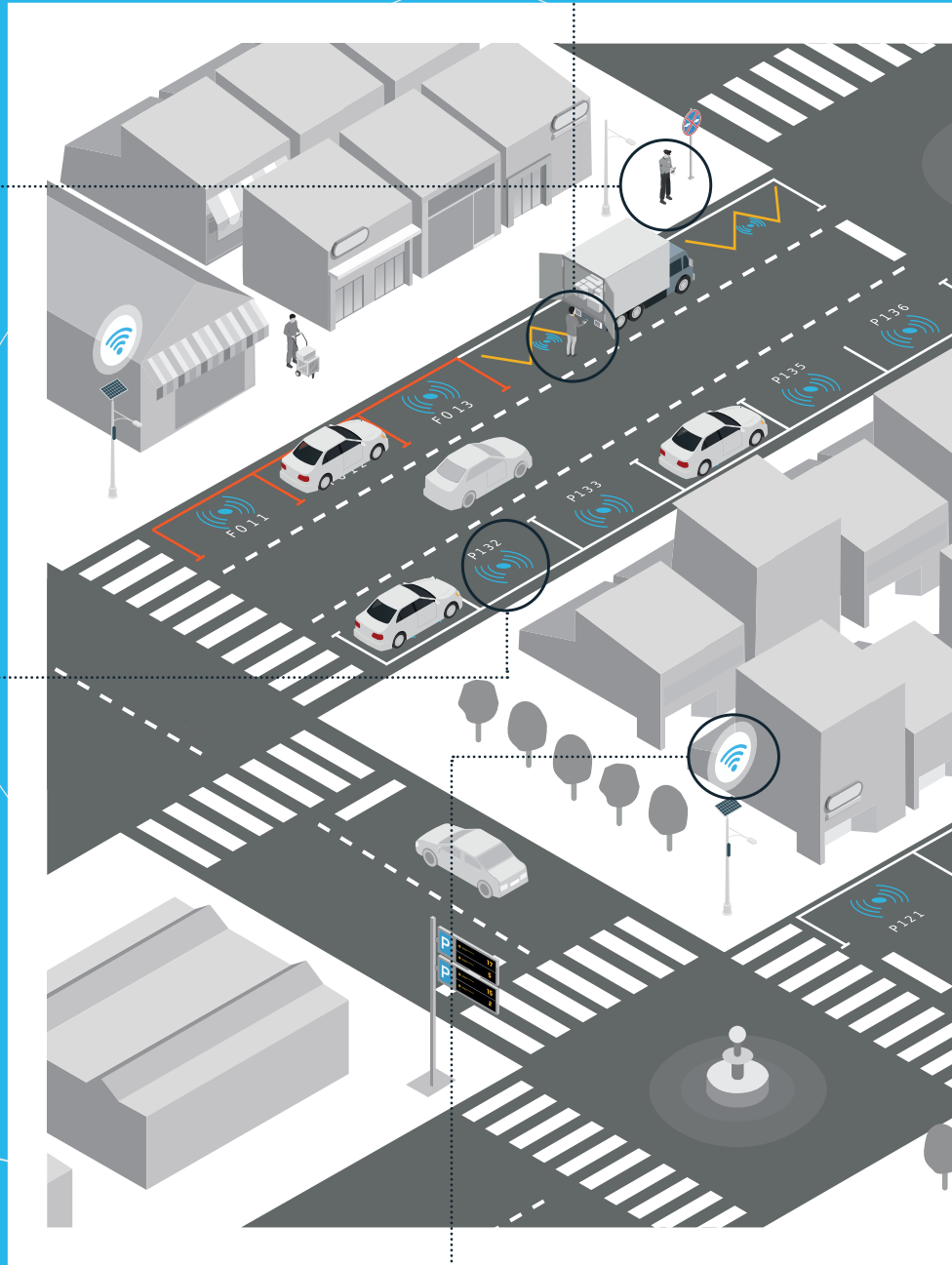
APP FOR USERS OF
RESERVED SPACES

PARKCTRL

REGULATED PARKING
CONTROL SOLUTION

U-SPOT

SINGLE SPACE DETECTION
GROUND SENSOR

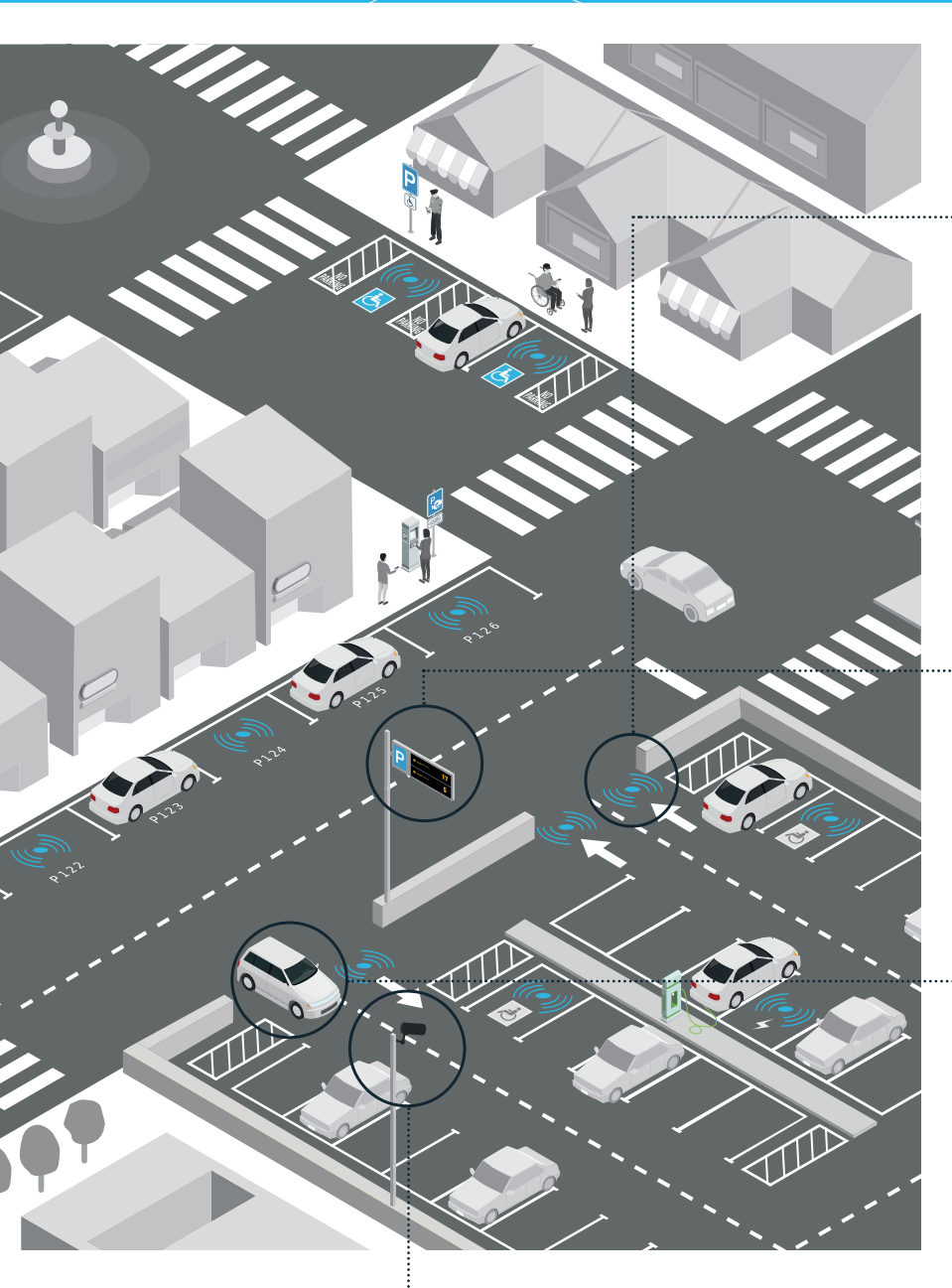


IoT CONNECTIVITY



U-ADMIN

SMART MOBILITY
MANAGEMENT PLATFORM



U-FLOW PARKING

ENTRANCES AND EXITS
COUNTING SYSTEM

U-DISPLAY

GUIDANCE VARIABLE
MESSAGE SIGN

GUIDANCE APP

CUSTOMISABLE APP FOR
DRIVER GUIDANCE

U-SPOT VISIO

SINGLE SPACE DETECTION SOFTWARE
USING ARTIFICIAL INTELLIGENCE

VEHICLE DETECTION

We supply cutting-edge IoT detection systems to enable the collection of accurate data for building your smart parking project.



U-SPOT SINGLE SPACE DETECTION



U-SPOT

Single space sensors allow the detection of the arrival, presence and departure of vehicles in any parking space. It can be used for guidance and on-street control solutions.

- ▶ Reliability: >98%
- ▶ Lifetime: up to 10 years
- ▶ Detection: magnetic or duo magnetic + infrared
- ▶ Calibration: automatic and continuous
- ▶ Installation: curb, pavement or under-car
- ▶ Connectivity: U-Sense, LoraWAN, NB-IoT

U-SPOT VISIO

ARTIFICIAL INTELLIGENCE DETECTION



Software based on the processing of images captured in real time by compatible cameras, using artificial intelligence (AI) and deep learning technologies. It is used to acquire single space information of an area, covering a larger number of spots with a single camera.

- ▶ Video analysis in the cloud applying state-of-the-art deep learning algorithms in continuous evolution
- ▶ Works with the usual cameras available on the market. No need for dedicated hardware.
- ▶ 99% single space detection reliability over the lifetime of the project.
- ▶ GDPR compliant

The vehicle flow counting system is specially adapted for larger off-street facilities with defined access lanes. The free space value is displayed in real time whenever a car enters or exits an area, immediately informing drivers of available parking spaces.

- ▶ Counting reliability: >99%
- ▶ Lifetime: up to 15 years
- ▶ Detection: magnetic
- ▶ Parking calibration: automatic system set-up and correction factor based on natural deviation
- ▶ 2-way detection option
- ▶ Connectivity: U-Sense

U-FLOW PARKING

VEHICLE FLOW COUNTING SYSTEM



GUIDANCE MODULES

TAILOR-MADE GUIDANCE SIGNS AND APPS

U-DISPLAY



U-Display allows for driver guidance on arrival at the parking area, informing them of free spaces. Thanks to its numerical or alphanumeric LED modules and customised design, U-Display offers a simple and flexible way of implementing an efficient parking guidance solution for both urban and private environments.



PARKING GUIDANCE APP

The customisable **parking guidance APP** is the perfect complement for your guidance project, indicating where users will find a free parking space quickly.

ENFORCEMENT MODULES

COMPLETE REGULATED PARKING CONTROL SOLUTION

Automatically identify any type of parking violation, reduce control costs and consequently encourage compliance with regulations.

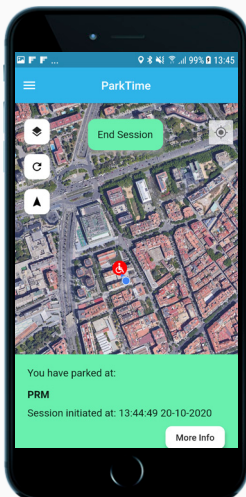
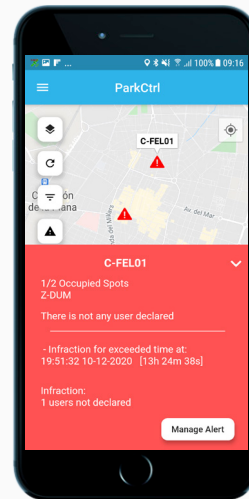


ALERT ENGINE

Identify parking violations (payment default, maximum time exceeded, unauthorised user) as per local regulations.

PARKCTRL

ParkCTRL is the APP for agents in charge of field parking enforcement. By quickly identifying on-street parking violations, whether payment default, exceeding time or unauthorised users, their daily workload is streamlined and made more efficient. ParkCTRL includes an optional module to print the penalty notice handed to the offender.



PARKTIME

ParkTime is the APP dedicated to parking spaces reserved for specific users where the authorised persons will consult the availability in real time and announce their arrival:

- People with reduced mobility
- Loading and unloading areas
- Electric vehicles charging spaces
- Free and time limited parking

U-ADMIN SOFTWARE PLATFORM

DEVICE MANAGEMENT

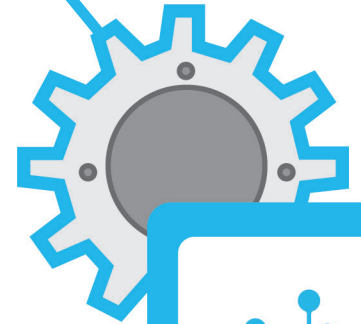
- ▶ System installation and maintenance
- ▶ Subscription to technical incidence notifications

CONTROL AND ANALYSIS CENTER

- ▶ Analyse both real time and historical parking information (occupancy, rotations, vehicles flow, alerts)
- ▶ Multiple chart formats and precalculated indicators

PARKING ENFORCEMENT

- ▶ Parking offence alerts for payment default, maximum time exceeded and unauthorised user
- ▶ ParkTime APP for the users of reserved parking spaces
- ▶ ParkCTRL APP for the guards



U-Admin is a modular software platform designed to cover the needs of each customer efficiently, from device management to analytics and complete on-street control. U-Admin can be used to centralise parking information from other technologies and can be easily integrated with third party systems.

CENTRALISATION OF THIRD PARTY SYSTEMS

- ▶ External parking systems
- ▶ Sensing systems from other manufacturers
- ▶ Payment and user declaration means

FASTPRK DATA API

- ▶ PULL and PUSH API
- ▶ Standard integration protocols
- ▶ Technical and business information

PARKING GUIDANCE

- ▶ Guidance APPs and Variable Message Signs management
- ▶ Configuration of information displayed to users



WHY DO FASTPRK STAND OUT

For more than 10 years, **Urbiotica** has been a key player in the Smart Parking market. Thanks to our experience, we have been able to develop specific know-how and have designed products adapted to most requirements in these areas. Our customers especially highlight:



END-TO-END SOLUTIONS

- From sensing to guidance and enforcement
- Integrated signs and APPs
- Adapted for all outdoor parking situations



FLEXIBLE & MODULAR

- Single space detection and counting sensors
- IOT magnetic sensors + vision with artificial intelligence
- Various connectivity options
- Tailor-made signs and guidance APP
- Easy integrations with third-party systems (including other sensing systems)



RELIABLE & ACCURATE


- Weatherproof
- Automatic, continuous sensors calibration
- Robust hardware devices and software platforms
- Highly renowned field and remote support services



COST-EFFECTIVE

- Long lifetime for all devices
- Easy and quick installation without removing vehicles
- No maintenance
- No extra integration costs


In collaboration with our certified partners network, **Urbiotica** has successfully deployed **Fastprk** technology around the world throughout the last decade. By 2020, with around **85,000 parking** spaces monitored in over **200 projects**, in **50 countries** throughout four continents, we have assimilated many unique experiences and are able to offer you the best smart parking solutions.



DO YOU HAVE A
SMART PARKING PROJECT?

INTERESTED IN BECOMING A
FASTPRK DISTRIBUTOR?

GET IN TOUCH!


urbiotica



C/ Joaquim Molins, 5
08028 Barcelona



Phone:
+34 931 69 17 31



E-mail:
info@urbiotica.com

www.urbiotica.com