



O-CITY

by bpc

O-CITY FOR PARKING

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Increasing urbanisation and the technological advancement of cities create challenges for governments, businesses and commuters. Transport operators need help to adapt quickly enough to the demands of citizens, who often choose to use private transport as a reaction to less available and convenient public transport options.

The total number of vehicles on our roads continues to rise. According to the European Automobile Manufacturing Association, almost 93 million motor vehicles were produced worldwide last year.

This has increased the pressure on governments and local authorities to find a solution that accommodates these additional vehicles more efficiently to minimise road congestion. The real difficulty lies in simplifying the technology to make it convenient and accessible for the end-user while enabling the service provider to automate the service.

The market opportunity is considerable. The global parking management market size is expected to grow from \$3.8 billion in 2020 to \$5.4 billion by 2025 (a compound annual growth rate of 7.4%), according to new research from ReportLinker. Service providers looking for a share of this market will need to maximise parking facility availability and introduce automation to ensure smooth service rotation.

ONE CITY ONE PLATFORM



ACCOUNT-BASED TICKETING PLATFORM

O-CITY is an innovative solution for SmartCities that manages the entire ticketing process for various service operators in the city, including parking. The solution uses an automated payment collection process that allows commuters using the service to use different payment methods. In comparison to traditional modes of payment, such as single-use parking tickets, O-CITY adopts a single account-based approach, accepting all payment methods and personalising the service to the specific needs of each user.

O-CITY provides a unique opportunity for stakeholders to implement in the city or country. They can scale the unified ecosystem with a seamless experience for citizens utilising the city services, with parking one of those services. The O-CITY model means it can be installed as SaaS or on-premises. Both models allow operators to centralise the management of their entire payment network, with the possibility of further scaling up without impacting existing infrastructure or requiring additional investment.

The subsequent gradual modernisation of control and monitoring facilities and parking spaces will help service providers achieve the goal of reducing private car volumes on urban roads.

O-CITY reduces cruising time by enabling drivers to identify and access parking facilities more quickly, increasing operator payment collection and profitability. O-CITY technology and a mobile application make it easy to start using the service.

O-CITY creates a unified digital experience that makes parking more attractive to drivers. Developed as a hardware-independent solution, it provides the flexibility and speed to market required to launch new payment services for public services rapidly while minimising upfront investment. The solution can be installed on existing parking infrastructure, significantly reducing implementation time and costs.

ON-PREMISE

O-CITY is installed in your chosen environment, and the client manages the infrastructure and solution with full reliance on BPC application support and maintenance

SAAS

The O-CITY solution is already available in the cloud for clients. It can be configured and integrated with an existing or new infrastructure. O-CITY is delivered in the cloud with a monthly recurring contract for more flexibility using a 'pay as you grow' model



PARKING



AIRPORT



STREET



CITY



TRUCKS



MALL



BUSINESS CENTRES



MEDICAL FACILITY



SMALL SHOPS



EVENTS



APARTMENTS

OPEN PARKING FOR EVERYONE

The parking solution from O-CITY helps to automate payment collection for parking places on-street and off-street, simplifying the usage of the service and improving profitability. The O-CITY solution helps parking services providers to automate their parking lots and businesses, digitalising ticketing fare collection and making transactions quick, safe, and transparent.

FLEXIBLE IMPLEMENTATION

O-CITY is a solution built with open-loop technology at its core, yet with the possibility of deploying it as a hybrid service. This gives drivers the option to define what payment tool to use to access services.

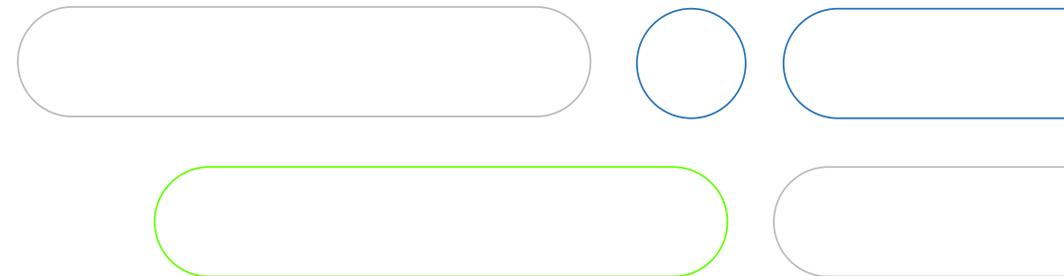
PLATE RECOGNITION TECHNOLOGY

- **APR** - Auto (number) Plate Recognition technology is becoming common on the smart card parking areas around shared condominiums, business centres, and privately owned territories. The technology requires the user to be enrolled in the system through an account, sharing data on their own number plates. O-CITY, following account-based principles, can be introduced as a backing system to support such smart technology on the parking lot. The camera scans the number plate of the vehicle passing through the checkpoint, information from the camera is transmitted to the O-CITY system, and access is granted based on the information present in the driver account.

- **MPR** - Manual (number) Plate recognition is also available, based on a single entry of number plates in the system by an unenrolled driver. With the help of an O-CITY mobile application, drivers are able to pass information to the server about their own vehicle, instantaneously creating an account within the system, and enrolling to all contactless services offered by a parking operator on the O-CITY platform.

CENTRALISED FARE MANAGEMENT AND CONFIGURATION

Centralised management of parking charges makes it easier to control services. With the O-CITY solution, the parking service operator may unify parking experience on all of its points, allowing payments to be done in a contactless, digital way. O-CITY offers flexible parameterisation of fare rates based on various types of data. Operators using the O-CITY solution can centrally set and change ticketing fare for any segment of drivers, providing flexibility to cater for social segments, as well as quickly react to external events, marketing promotions, and campaigns.



OPEN PARKING FOR EVERYONE

BILLING OPTIONS:

- Entry and exit billing
- One-time billing with an inspector
- One-time billing when buying a ticket
- Subscription for a month or other period of time
- Subscription by number of entries
- Tariffs based on the user's social segment, including subsidised tariffs

FEES PARAMETERISATION:

- By zone or city district
- By membership
- By vehicle class
- By date and time, season, sales channel
- By driver profile or event using other parameters
- Or by setting dynamic fare calculation, depending on date and time and occupancy

SEGMENTS:

- Ordinary commuters
- The elderly population or veterans
- Drivers with disabilities or special conditions
- Or anyone else, you decide



OPEN PARKING FOR EVERYONE

REPORTS AND ANALYTICS

With O-CITY parking, service providers receive comprehensive data reports on system usage with tracked data on available free spaces, revenue flow, check-ins, and parking charges collected. This data can be used to influence future business decisions such as the creation of zonal parking spaces with different costs during the day.

WEB PORTAL AND REMOTE CONTROL

O-CITY provides a convenient browser-based portal which can be accessed through any device without the pre-installation of any software. The parking service operator is allowed to monitor the activity of all parking infrastructure, manage the parking lots, change fares types and policies centrally, and track and analyse historical data on transactions and drivers. The parking business can be managed completely remotely through the web portal.

- Manage the parking spaces
- Modify, adapt parking rates
- Add, remove, track validator statuses
- View reports
- Add users
- Remove enrolled users

OPEN APIS

Built with the set of open APIs, O-CITY permits integration with third-party infrastructures or apps to improve cross-sell of products and services as well as driver loyalty.



OPEN PARKING FOR EVERYONE



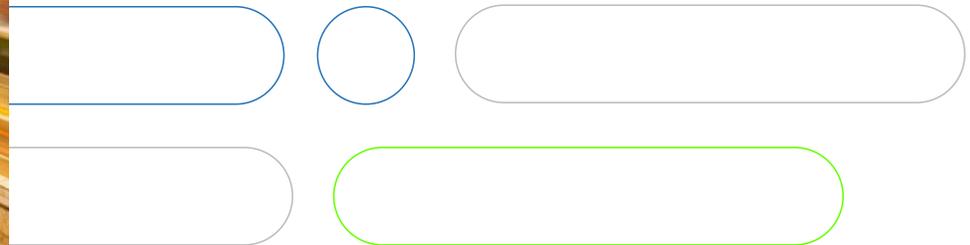
REDUCTION IN FRAUD AND FARE EVASION

The digitalisation of fare collection not only helps to improve operational excellence of service provider businesses, but also reduces fraudulent activities from parking supervisors and fare evasion from drivers, who find the payment process transparent, quick, and secure.

Drivers can locate parking and track their expenses easily while the parking operator receives not only automated payment, but also valuable data for analytics such as the number of times the service was used on a daily, weekly, or monthly basis. They can also easily monitor revenues gathered through the network of service points.

IMPROVED TRANSPARENCY AND TRUST

With the digitisation of payments via mobile app or bank card, the solution improves safety and reduces fraud on parking lots for drivers. As a hardware-agnostic, EMV-compatible solution, all payments become contactless, such as local plastic cards or cards branded by international payment schemes.



NO BARRIERS FOR DRIVERS

OPTIONAL ENROLLMENT

- **Enrol** - The driver may use a dedicated white-label O-CITY mobile app to register their own account and get access to all parking facilities connected through the O-CITY system, seamlessly paying for all the services. The enrollment is simple and can be done through the submission of their number plate details.
- **Without enrollment** - With O-CITY, the parking process becomes easy for the drivers, who don't generally want to have to spend too much time dealing with parking. The driver may pay with any payment device using the tap-and-go model, such as bank card, closed-loop loyalty, or transport card issued by the operator, or scan the QR code, however this option requires more investments from the operators/cities for HW infrastructure and its support.

VARIOUS PAYMENT METHODS

The O-CITY solution was designed for accessibility and convenience, digitising city parking spaces and equipping the environment with hardware to let users pay with different payment methods such as:

- Bank cards
- Wearables
- Mobile apps
- Local cards issued by parking operators
- QR-codes
- By account and number plates
- Bluetooth
- Cash (if required)

For the cases where mobile channels are used, Drivers are registering the parking using mobile apps and for these cases, banking cards or wallet accounts are in use.



NO BARRIERS FOR DRIVERS



MOBILE APPLICATION

A dedicated O-CITY mobile application helps drivers quickly locate and pay for parking in one click. With the application, the driver receives a full 360-degree view of their historical parking usage, allowing them to track costs and add and remember number plates for future use as well as prolong a stay at a parking slot remotely through the mobile application.

Key features include:

- Location of parking using QR code, area code or GPS
- Referencing plate numbers to mobile app for easier check-in
- Setting the duration of the stay in two clicks
- Paying using any instrument of consumers choice
- Extension of duration of stay

To pay for parking, users can purchase season tickets while discounts and privileges can be provided to preferential categories.

DECREASED CRUISING TIME AND CONGESTION ON ROADS

With the automation of parking charge collection and the introduction of easier tracking of parking spots via mobile, customers will no longer require extra time to find cash to pay for their parking or cruise around to find a free spot, decreasing the transition time for newcomers looking for a parking spot and reducing congestion on the roads.

FEATURES



The O-CITY solution allows parking operators to combine modern methods of payment. It supports all the infrastructure required to provide drivers with convenient services, and the parking service operator with control and management of all processes related to payment and control of their parking spaces.

FOR SERVICE PROVIDERS

- Centralised tariff management
- Monitoring and control for inspection services
- Segmentation
- concession ticketing
- Subsidies management
- Web portal view
- Open APIs
- Easy integration with existing infrastructure
- Reporting and analytics
- Customer support
- EMV secure technology
- Loyalty management
- Rates management
- Notifications

FOR DRIVERS

- Wide range of payment methods supported including bank card, mobile payments, closed-loop cards, QR codes, barcodes, wallets, wearables
- Mobile application for parking
- Optional enrollment
- Account-based view of expenditures
- Notifications
- Secure transactions

**ONE CITY
ONE PLATFORM**



Scan the QR code and visit our website
for further information on www.o-city.com

