
O·CITY by bpc
FOR MOBILE TICKETING

O-CITY FOR MOBILE TICKETING

In any competitive environment, those who move faster usually have the best chance of surviving and thriving. The same principle applies in the modern urban environment, where mobility increases competitiveness, agility facilitates greater prosperity, and multi-functionality translates into success.

Mobility as a service is a concept that speaks for itself. Governments and public transport operators can observe the shift from private vehicle ownership and use to demand for flexible, publicly available transport. The concept is not limited to flexible taxis or car-sharing options, but includes a wider range of payment options for transport and services such as parking and access to museums, theatres and other entertainment spheres. The concept of paying with cash has quickly evolved through closed-loop or bank card payments to account-based ticketing, where the traveller has the opportunity to pay through a mobile app.

Service and transport operators that use legacy technology struggle to address new customers' demand for mobile ticketing, in the process missing out on gaining market share of mobile users, especially among young people willing to use new technologies.

ONE CITY
ONE PLATFORM

MOBILE TICKETING

O-CITY is an account-based platform with open-loop properties that is designed to increase accessibility of public services, be it in the form of payment automation or improving the smart city experience. It is an automated fare collection platform designed with both users and operators in mind, utilising innovative technology such as EMV open-loop systems to deliver a seamless and frictionless payment experience.

The platform supports various types of payment methods as well as mobile ticketing options through its own mobile application. Introducing mobile applications not only provides additional payment methods to service providers, but also:

- Improves travel convenience for commuters
- Drives the contactless agenda
- Improves the multi-modal journey experience
- Enhances customer enrollment and engagement
- Is applicable in various spheres (leisure, transport, education)
- Helps enhance the partnership network

The solution links consumers and service operators into a single ecosystem, providing a seamless mobile experience.

ON-DEMAND MOBILITY

The on-demand mobility approach makes it easier for travellers to utilise and change transport modes and services. With that in mind, O-CITY developed a commuter-focused mobile application, which helps them to utilise all public services in the smart city ecosystem with a simple tap on the smartphone. The application is adapted for both Android and iOS operating systems.

While the application is developed for customer convenience, it also serves as a convenient tool for public and private service providers who wish to improve the effectiveness of their businesses by digitising payments and making services more accessible. The application not only provides informational support - making it easy to track payments, check balances and view routes - it also provides an alternative tool to engage customers, organise and automate fare collection (especially in regions with large unbanked populations) and drive the urban mobility agenda throughout the city.

TRAM

BUSES

FERRY

TRAIN

METRO

FOR SERVICE OPERATORS

Service providers are always looking for ways of enhancing their business. O-CITY provides web and mobile support, which helps service providers introduce mobile ticketing payment options, while fully embracing the benefits of payments digitisation of payments through greater operational transparency of operations, reduction of cost of cash operations, and increased competitiveness.

The inspector application is built by O-CITY to help service providers track and validate journeys and usage of the service and improve the accessibility of their business.

QUICK START

While downloading the application, service providers are able to track employees and inspectors granted access to the business mobile application through the centrally managed web interface. Enrollment is simple and does not require extensive training of employees on using the mobile application for validating commuter e-tickets, meaning the technology can be introduced and become operational within a few days.

SECURE INFORMATION

With authorisation of the inspector, special hierarchical privileges may be provided to each user of the business application, setting the visibility of data and access to functions, restricting access to sensitive areas and improving the safety of internal data.

FOR SERVICE OPERATORS

ONLINE-OFFLINE WORK

O-CITY is designed to work in areas with low or no internet coverage to provide a seamless, convenient experience for travellers. It can be used for both online and offline validation.

- For offline validation, the inspector loads the one-way encrypted card ID into the application. Depending on the deployed infrastructure on the service provider's site, network, vehicles and communication mode, downloading can be done either from the server or from the validators. For metro, railway and gate-based bus stations information is loaded directly from the servers.

- For online inspection, the inspector uses a mobile application to scan the card and QR code of the user, with data instantly transferring to the server.

TRANSPARENT INTERACTION

Service providers usually struggle to minimise fraudulent activity on their routes when dealing with cash. The O-CITY mobile application helps to mitigate fraud risk by driving cashless operations for inspectors and commuters. The validation of an e-ticket can be done via bank card, closed-loop card or internal mobile app account, with credentials in form of NFC chip or dynamically generated QR code scanned by the inspector application. O-CITY also supports SMS payments if a USSD method is introduced.

OPEN APIS

The application is integrated with the O-CITY server using APIs. Clients with mobile applications have access to a set of APIs that allow them to either develop their own application leveraging O-CITY best-of-class technology or integrate with the existing application.

FOR COMMUTERS

The O-CITY mobile application is designed to improve mobility for city dwellers and visitors. The application is designed to simplify the payment process for public services and provide informational support on journeys, but not limited to it. It can be also configured to fit in leisure and education spheres.

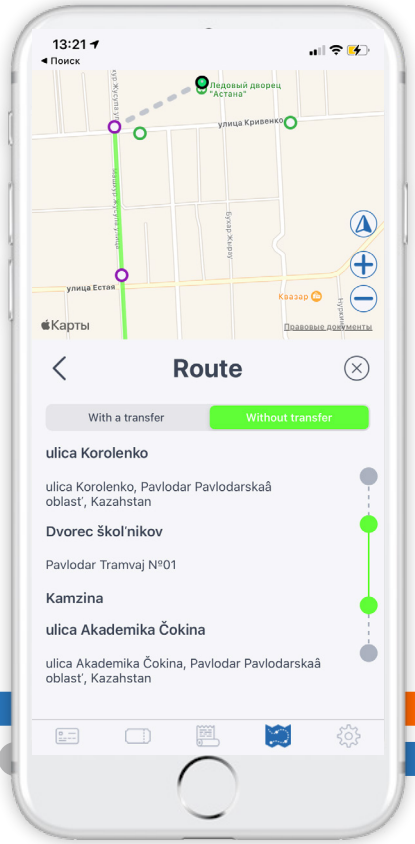
EASY ENROLLMENT

O-CITY represents openness and we have designed a mobile application with this in mind. Application enrollment is simple and users register on the system through a user-friendly interface.

360 DEGREE VIEW OF ACTIVITIES

The mobile application offers users a rich set of functionality to help them on their journey. As an account-based system, the user can create their own account as part of the enrollment process to be used as a basis for all future operations. In addition, the user can:

- Track balance on cards
- Track and find transport vehicles
- Search for convenient routes
- Plan journeys
- View historical journeys
- View historical payments
- Purchase e-tickets through the marketplace



FOR COMMUTERS

MANAGEMENT OF CARDS

Apart from purchasing e-tickets in the mobile marketplace, the end user can link any number of cards to the application, making payment more convenient and secure, as well as purchase a virtual subscription plan from the e-ticket marketplace. The linked bank card or closed-loop card can act as the source of an account for payments, which can be done via the NFC chip of a smartphone or through generating a dynamic QR code. The subscription-based approach shows the virtual card with the number of trips left on the plan, which can be used for any mode of transport connected to the O-CITY system.

HIERARCHY SET

The hierarchical feature of the mobile application allows service providers to set restrictions on additional commuters using the same account. It makes it safe and secure to be used by children as parents can set controls on the account, linked cards or subscription plans.

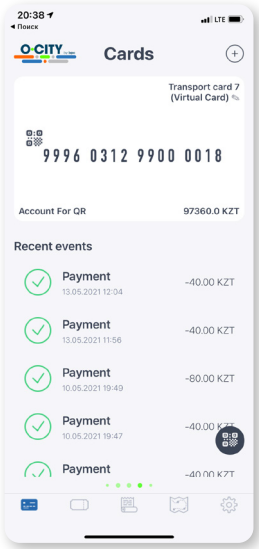
CITY TRANSPORT

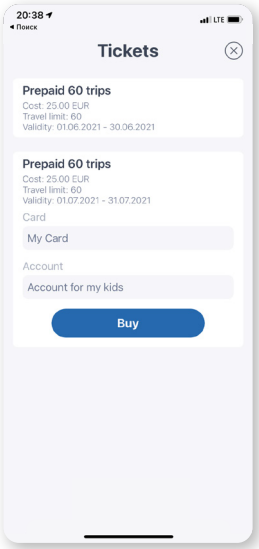
The O-CITY mobile application is applicable for any mode of transport connected to the system network, be it ferries, buses, metro, trolleybuses, trams and others.

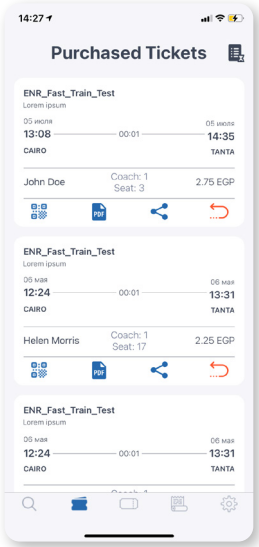
INTERCITY TRANSPORT

In addition to intra-city transport, the O-CITY application can support inter-city routes which require booking of seats in advance for bus, rail, long-distance ferry and other services. As well as the general functions of the application, the commuter can also:

- View and pick their seat from mobile interface
- Search for convenient routes and destinations
- Check timetables and schedules





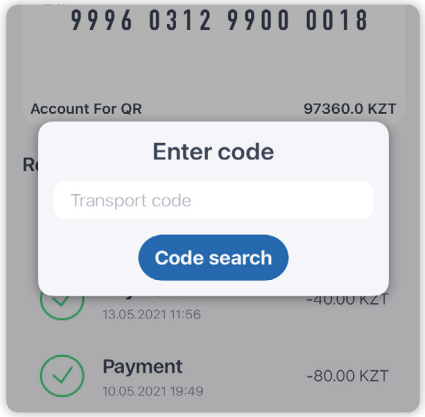


FOR COMMUTERS

PARKING

The application has been designed to be suitable for parking services to meet the needs of private transport users. The parking application allows users to:

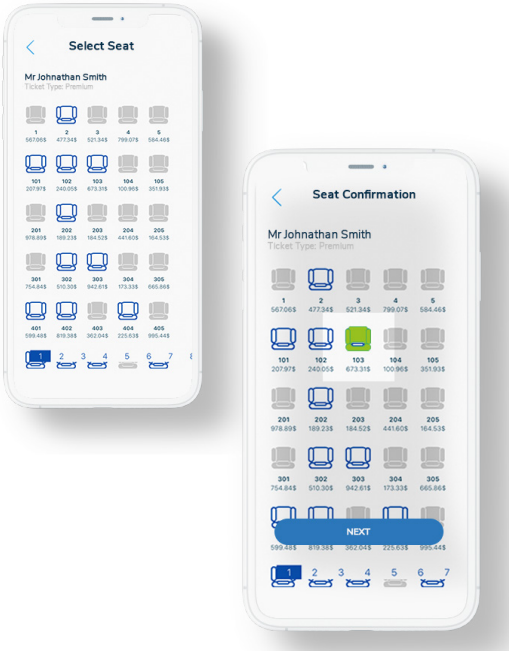
- Locate parking via GPS, area codes, and QR codes
- Reference plate numbers to the mobile app for easier check-in
- Set the duration of the stay
- Pay for the service through a card or seasonal subscription plan
- Extend the duration of the stay



LEISURE AND EDUCATION

Smart city solutions do not end in the transportation environment - they are applicable to services and facilities such as museums, concerts, cinemas, theatres, education and other public activities. Automation of fare collection and provisioning appropriate, convenient tools for users to access the technology is a key to promoting the cashless agenda.

In line with transformation trends, the O-CITY mobile application can be easily configured for use with e-ticketing and e-admissions in various places, allowing user's mobile applications to be used as ID, enable them to pick and purchase seats for events,search event schedules in the online ticket marketplace, and purchase subscription plans for using public facilities such as campus catering or museums.



FUNCTIONALITY

Leveraging the expertise of our parent company BPC, an award winning payment provider with more than 25 years of experience, O-CITY experts possess considerable knowledge of payments automation. The solution combines modern methods of security and payment of fares to support mobility and provide flexible mobile applications applicable to activities from transport and parking to leisure and education.

FOR END USERS

- Easy enrollment
- Transparency of operations
- 360 degree view of activities
- User-friendly interface
- Track balance on cards
- Transport vehicles search
- Search for routes connected to network
- View historical journeys
- View historical payments
- E-tickets marketplace
- Hierarchy setting
- Parking functionality support
- Seats management and booking
- Schedules and timetable search and check
- Payment with QR codes
- Payment with transport cards
- Payment with bank cards

FOR SERVICE PROVIDERS

- Quick to start
- EMV support
- Configurability
- Various payment method acceptance
- Reporting on data
- Historical payments tracking
- Centralised management of operations
- Open APIs
- Online and offline work

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