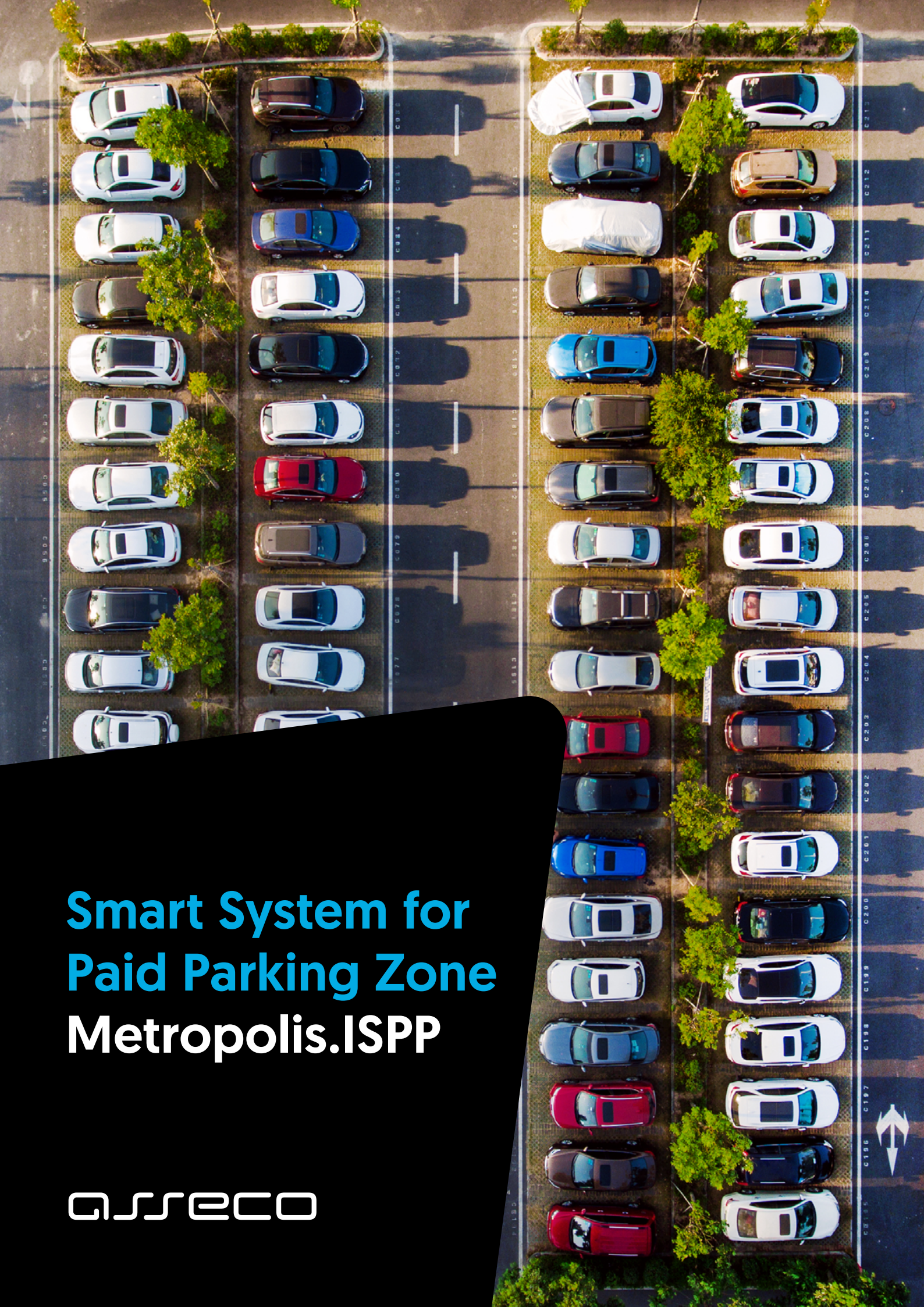
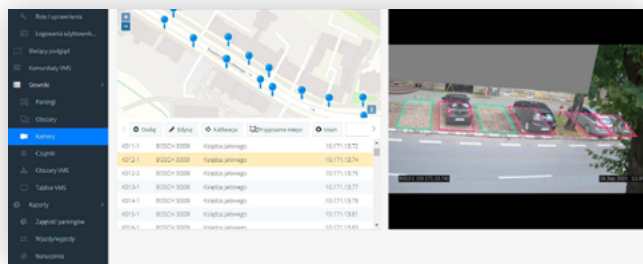


Smart System for Paid Parking Zone Metropolis.ISPP

ASeco



Metropolis.ISPP uses neural network technology for video analytics with up to 99% efficiency. Its architecture provides data processing in a central system, which, when used with cloud-computing, gives tremendous scalability and virtually unlimited possibilities for incorporating new analytics, such as detecting abnormal behavior in the traffic lane.



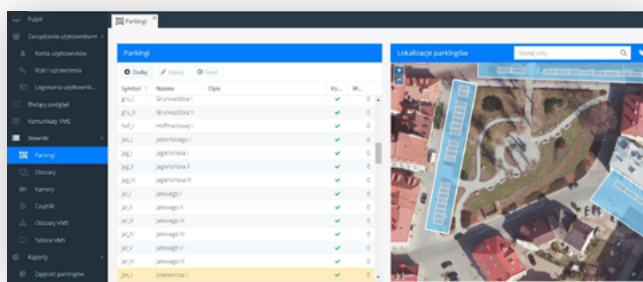
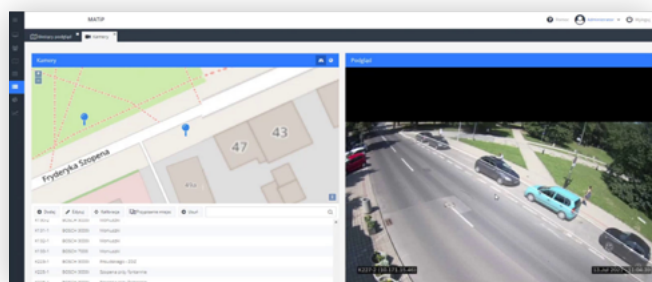
Metropolis.ISPP offers a high level of flexibility, allowing it to meet the requirements of small parking zones as well as large metropolitan zones. It uses the Kubernetes technology, which allows for seamless migration between local and cloud infrastructure, which is very important if the parking zone is to be expanded.

Explore the power of possibilities offered by Metropolis.ISPP.

The solution consists of a central system, designed for the manager of the paid parking zone, and a mobile app that can be used by the city's residents.

Key functionalities of the central system.

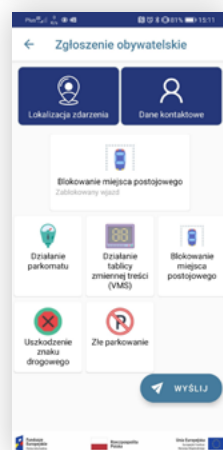
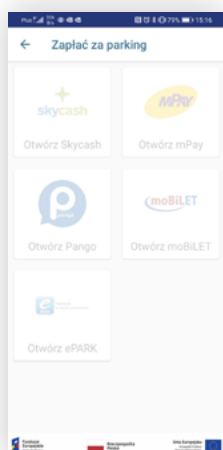
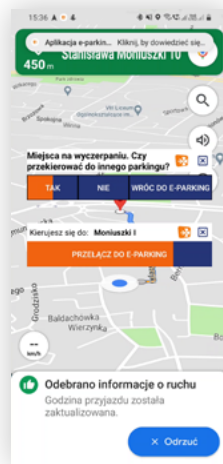
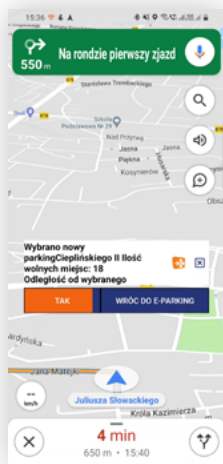
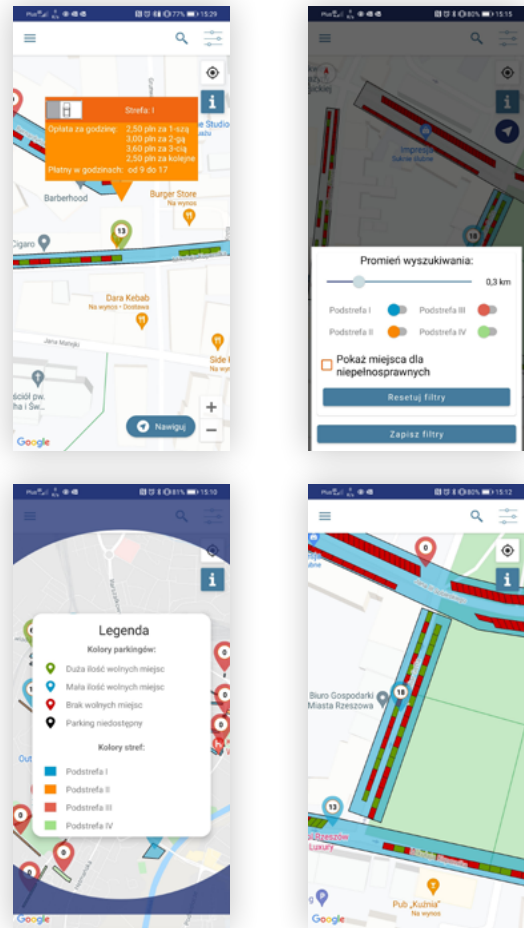
- The system features functionalities and technologies that fully meet your city's needs.
- It uses video analytics combined with machine learning (neural network).
- It is characterized by very high efficiency of vehicle recognition at low image resolution and difficult weather conditions.
- It features advanced analytical algorithms to correctly identify free parking spaces along the roadway, even unmarked ones.
- It works in a hybrid model: it combines video analysis with inductive and laser sensor technology.
- It allows new analytics functionality to be added depending on the computing power of the data processing center (CPD) or the cloud service purchased.
- It enables the presentation of occupancy of parking spaces both in the mobile app and on VMS variable message boards.
- It can be installed as an on-premises software as well as a cloud-based software.
- It allows to optimize controllers' tasks in the parking zone.
- It handles citizen requests from the mobile app.



Key functionalities of the mobile app.

The app was developed using the latest and safest technology.

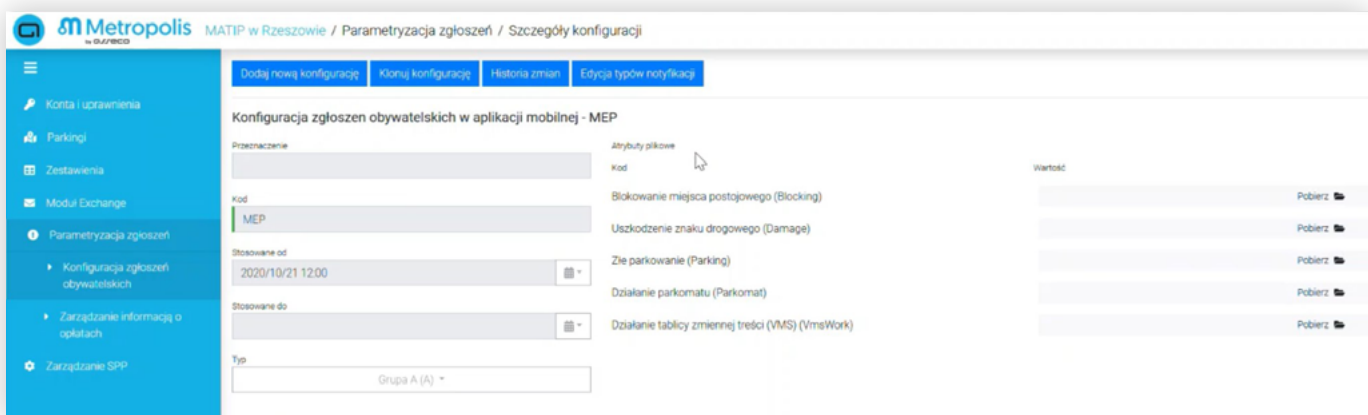
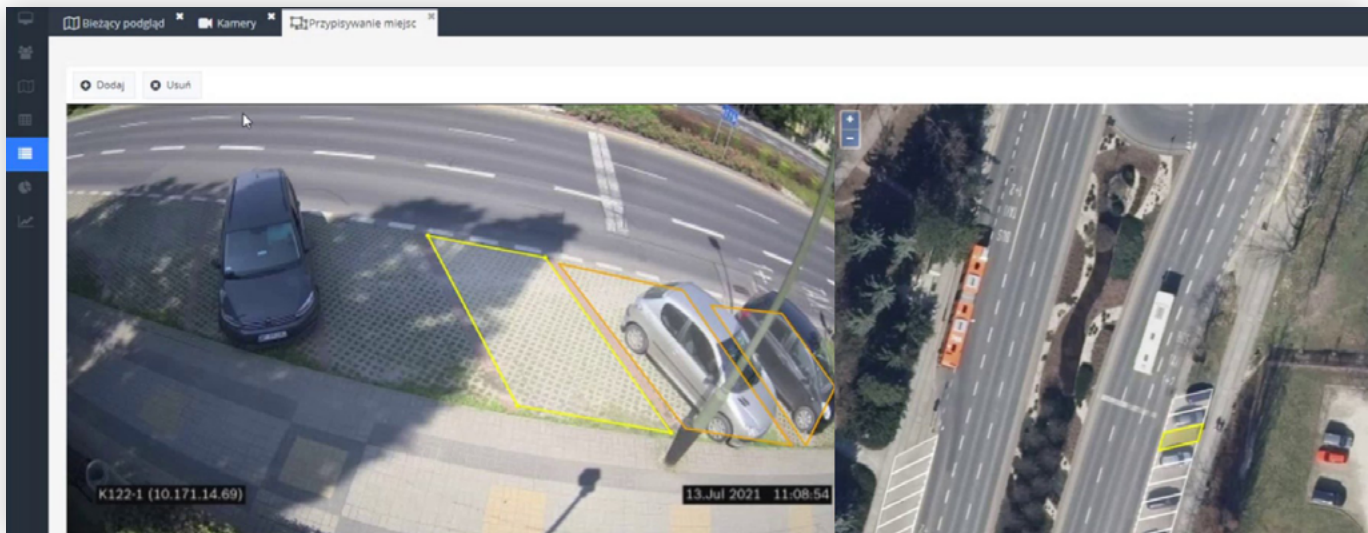
- It allows you to search for space and filter parking options for multiple sub-zones.
- It indicates specific parking along with fees and additional information.
- It guides users to the selected parking lot and provides information on the number of other users headed there.
- It allows to send citizen reports of improper parking, damaged road infrastructure, etc.
- It provides information about available parking time paid for at a traditional parking meter.
- It allows payment in parking operators' mobile apps, as well as in the "virtual parking meter" app.
- It is available for iOS and Android.



Key benefits.

For the user.

- It reduces the time for searching for a vacant parking space, resulting in fuel savings and reduced emissions.
- It allows for remote payment for a specific parking time, which eliminates the need to pay at a stationary parking meter.
- It allows redirection from the mobile app to apps of 5 mobile parking operators present in Poland (Skycash, MPay, Pango, moBILET, ePark).
- It provides quick access to information on zone costs and hours of operation.
- It provides up-to-date data on the number of system users heading to a selected location.
- It improves security and makes the parking zone a metered parking lot.



For the manager of a paid parking zone.

- It allows to use existing infrastructure for monitoring, which significantly reduces investment costs.
- It provides accurate information on parking space occupancy and fees, thereby increasing the efficiency of inspection activities while reducing staff involvement.
- It provides the lowest cost of service by using mobile [online] payments.
- It enables remote operation, which increases user safety during a pandemic threat.
- It facilitates debt collection with access to multi-faceted video evidence.
- It allows for independent change of parking space configuration or adding new parking zones in case of, e.g., changes in traffic organization, renovations, or organized events.

The logo for Asseco, featuring the word "ASSECO" in a stylized, black, sans-serif font. The letters are composed of thick, rounded strokes, giving it a modern and geometric appearance. The background is a light blue gradient with abstract, darker blue shapes in the upper corners.

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