



Spes.

**Smart Parking
Enforcement
Solution**

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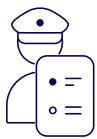
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SPES is a Smart Parking Enforcement Solution that ensures quick and clear parking payments and violation monitoring. The system inspects and temporarily holds up parking payments and issue and review post-payment notifications. All data processing is carried out in real-time and is offered to the end user immediately.

We have gained valuable experience in the development of this solution by working closely with municipalities and government agencies which actively use SPES in their daily work. The system can be combined with existing products and infrastructure or used as a stand-alone solution.

Where's the catch?



Parking officers' tasks definition



Parking officers' work efficiency inspection



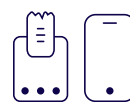
Reports, statistics and real-time overview



Real-time verification of parking spots payment status

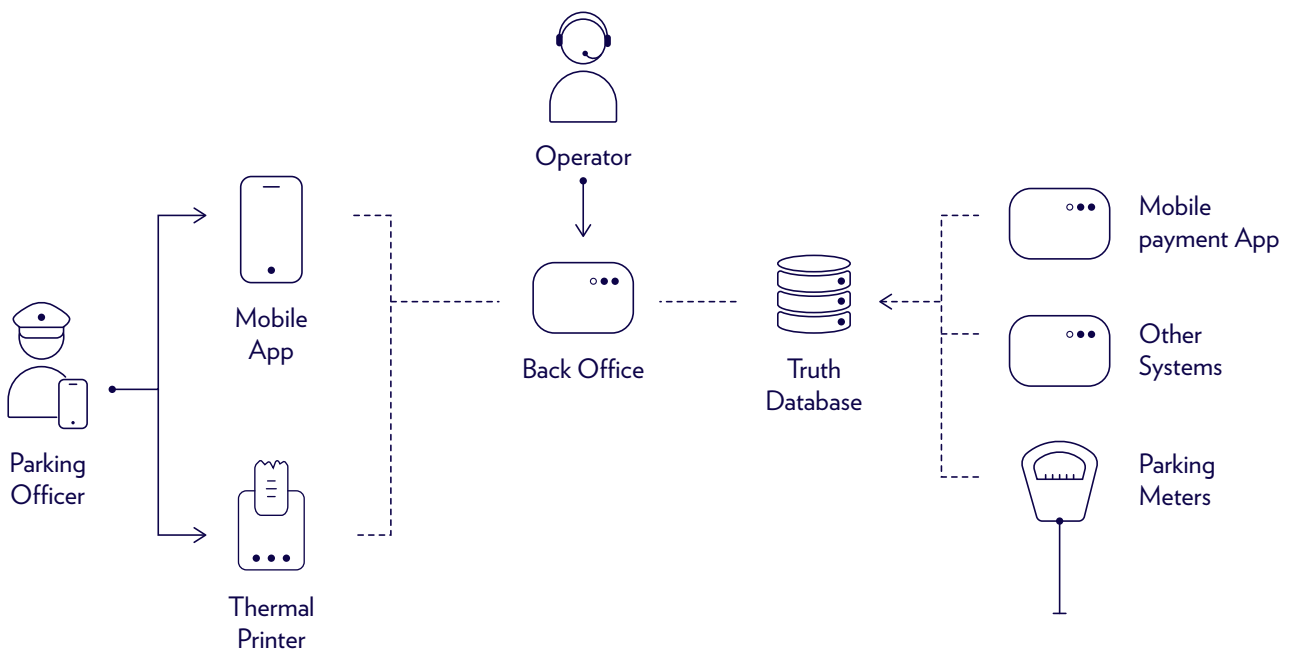


Significant Revenue source for city



In the case of violations, real-time post-payment notification

Solution architecture



Key features

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Mobile app

Enforcement management

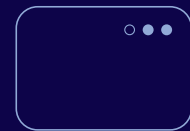
Parking officers' route planner

Time control

Payment, subscription and interactive map

Post-payment notifications

Evidence data collection and processing



Web platform

Event recording

Time control, SMS event and case overview

Parking officers work statistics

Parking meters maintenance

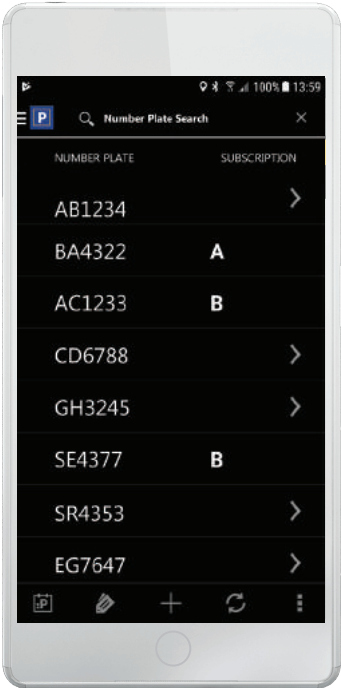
Billing reports

Parking officers' performance analysis

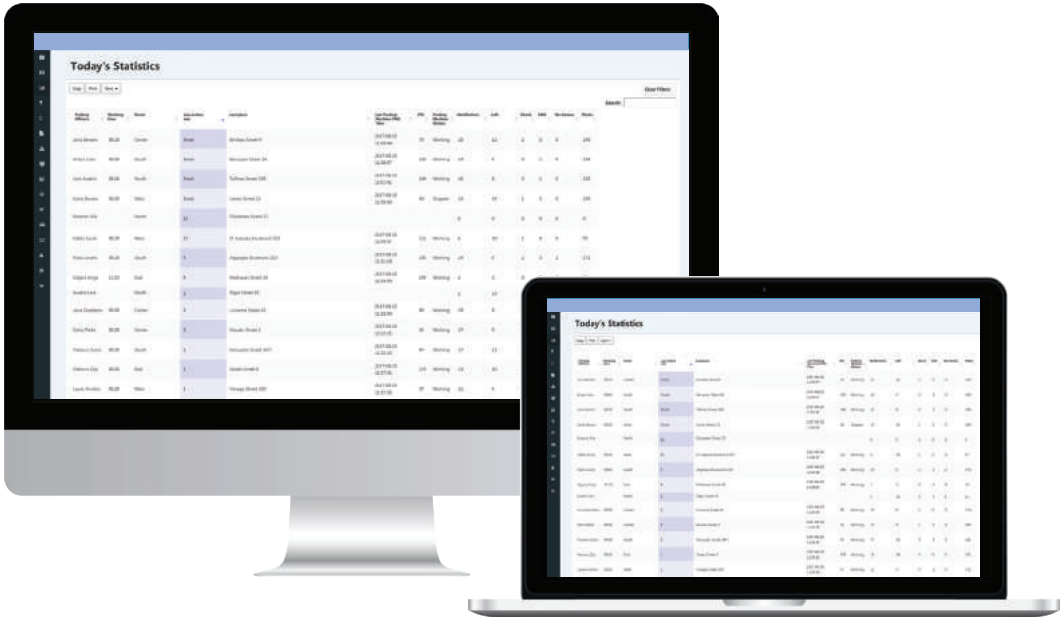
Task definition and assessment

Current location identification

Mobile app



Web platform



Key benefits



Cashless payments to car related services anywhere mobile services are available



Facilitated collaboration between management and parking officers



Overall processes and daily performance analysis



Fully automated parking, billing and enforcement service



Quick and clear post-payment notification and printing



Systematic and efficient daily parking enforcement



Interactive GPS location visualization



Facilitated daily task planning and execution



Data processing in a real-time

About us

We are a technology company with a 20-year experience, proud Microsoft Gold Partner and Partner of the Year in Latvia in 2017 and 2018. We strive to take a different approach in a traditional Intelligent Transportation Systems industry, by using the latest advancements in Cloud and Machine Learning to solve challenges related to transportation management.

Why choose us?

Solving, not coding

You describe the challenge. We suggest and build the solution.

Practical innovation

Artificial Intelligence, Cloud, Big Data, Cyber Security, you name it. We cherry pick and validate technologies so that solutions for your challenges are the most efficient as possible.

Team and practice

We are the team of experienced professionals driven by the urge to push the limits of what is possible with software and cloud.

An aerial photograph of a parking lot filled with various vehicles, including cars, vans, and a truck. People are seen walking around the lot. The image is overlaid with a dark blue grid and a circular line. The text is positioned in the lower-left quadrant of the image.

“Rigas Satiksme” case study

The company’s mission is to provide an affordable, reliable and sustainable public transportation system, as well as motor transportation and parking services aimed at furthering economic growth, and an improvement in the quality of life in Riga.

Client

Established in 2003, Rigas Satiksme is a limited liability company owned by the city of Riga and works in three areas: supervision of the united public transport network (trams, trolleybuses and buses), passenger transportation services and management of 5,000 parking lots. It currently employs 4,100 people.

Challenge

In the past, Rigas Satiksme parking officers had to engage in a number of manual activities to check parking payments: from revising parking payments to filling in and tracking all post-payment notifications. These were time-consuming processes and reduced the efficiency of parking officers, increasing the duration of the inspections and the number of human errors. An automated solution was essential so as to control and visualise the routes of parking officers, in order to revise parked vehicles in real-time and, in case of violations, to provide immediate printing and tracking of post-payment notifications.

Solution

A unified solution was created for parking officers and operators. It involves a mobile app with a connected thermal printer that allows officers in real-time to check whether the owner of a vehicle has or has not paid for parking.

This system is used to issue and print out post-payment notifications and forward them to the relevant owner. The cloud-based solution means that data is automatically sent to the operators' Web platform, where the operators can monitor and manage the activities of parking officers, analyses performance and statistics, organise routes, and generate reports.




Outcome

The automated parking control solution has helped to reduce the number of human errors, increase the efficiency of processes, and ensure real-time availability of data. An interactive map shows where each parking officer is and how efficiently the relevant tasks have been performed. Along with far fewer manual activities, parking officers have increased their inspection coverage three times over. This system makes it possible to use the available resources more effectively, expand the territories that require supervision, and increase the frequency of inspections without increasing the number of parking officers.

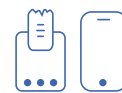

Since the implementation of the system, we have gained access to vital information that was previously not available to us at all. Now we can track the activities of our officers in real-time, control and monitor the effectiveness of their work, and efficiently plan their daily operations. This means that each officer can check a larger number of cars in a more extensive area whilst maintaining a high level of quality and accuracy in the work. Fewer mistakes mean fewer customer complaints, and this significantly increases the overall level of consumer satisfaction.

- Ltd. Rigas Satiksme

Before the solution

-  Increased the duration of parking area inspection
-  Diminished the efficiency of parking officers
-  Increased the number of errors

Deployment of the tailor-made solution

-  Mobile app with connected thermal printer
-  Cloud-based web platform

 **3x** increase in parking area inspection coverage

 Available resources are used more effectively

 All processes are available in real-time



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