RFID solutions

for automatic transport registration

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Automation of transport registration

Most enterprises to one degree or another are faced with the problem of registering vehicles. One needs to quickly determine the owner of the car or its status (law enforcement agencies, diplomats), another needs to check permission to enter / exit the territory of the enterprise or its individual facilities, while others need to build a system for prompt notification of the arrival of goods or accounting for the performance of certain works. Everyone knows that downtime at the checkpoint and delays in receiving information about arriving cars can practically paralyze the work of the enterprise and cause huge losses. Until recently, the operational solution of these tasks was difficult and costly.
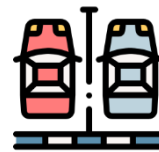
RFID system features

The innovative RFID system **"KARAT"** is designed to track the movement of transport in online mode.

The versatility of the system allows you to use its capabilities in any field related to the use of vehicles.

RFID for registering transport at the enterprise

RFID for paid parking

Traffic control on toll roads

Contactless payment system

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RFID for registering transport at the enterprise

- Automatic registration of vehicles passing through the checkpoint,
- Control of transport access to closed area,
- Monitoring of staff work, time spent on departure,
- Safety of all objects in the car fleet,
- Unrestricted travel
- The possibility of video recording

RFID for paid parking

- Contactless vehicle identification

- Monitoring and recording the time of entry and exit of each vehicle

- Automatic calculation of the number of empty parking places and display of this information on special boards and also the transfer of data on available places to the operating service

- Automatic work of turnpike

- Keeping electronic log of entry-exit vehicles

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Traffic control on toll roads

- Unimpeded travel through toll roads pay stations on a dedicated lane, without stopping transport

- Automated transportation accounting, collection of information moving and payments

- Lack of delays at the checkpoint - simplified calculation procedure

- System operation at speeds up to 200 km/h

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Contactless payment system

Contactless payment system allows to provide :

- Significant acceleration and simplification of the calculation procedure
- Automated collection of information about the movement of vehicles and payments
- Optimization of information interaction of car owners with the operator
- Updating and actualization of database in online mode

Advantages:

- Reading of identification tags without stopping vehicle
- Acceptance of cashless fare in automatic mode
- The ability to replenish the account in any convenient way, incl. via personal account
- Online access to detailed information on payments and movements through the module "My Account"

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Software

The KARAT software allows you to:

- select registration zones and display on the monitor the numbers of vehicles located in these zones

- view vehicle entry / exit logs

- generate reports on system operation and equipment status and view them online

Display on the PC monitor of vehicle numbers located in selected areas

Protected Area Vehicle Reports

Benefits

Save time and Optimize expenses

- Automatic registration of vehicles passing through the checkpoint and when driving on toll roads

- Stops in the flow of information to interested parties are excluded

Safety and control

- Control of access of vehicles to various zones in a closed territory and when driving on toll roads

- Search for vehicles in the enterprise or on a given route

- Elimination of the risk associated with unplanned penetrations of vehicles into the territory

- Automatic control of external devices: barriers, gates, traffic lights, electronic displays, etc.

Error minimization

- Excluded vehicle identification errors

- Online Reporting

- Minimization of failures in the schedule of movement of vehicles

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Company introduction

RST-Invent – is a Russian RFID-tags and equipment vendor, RFID-system and software developer.

Work experience since 2005

Own RFID-tags and equipment facilities in the Leningrad region

**Geographic reach:
RF, USA, Asia, Europe**

A full cycle of competencies in RFID: from the development of the element base to the implementation and maintenance of ready-made solutions

"RST-Invent" company - is part of the Group of "Systematic"

GCS

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