ITProject – RFID System Software Integrator and Provider

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RFID-system for access control and monitoring of movement of people

ITProject RFID Server Platform-Based
+ Server and Client Modules

- **EPC Global support;**

- **Simple control and automatic connection of RFID readers manufacturer by various companies;**

- **Integration with versatile accounting systems – 1C, SAP, Microsoft Navision and others.**

- **Supporting different databases – MS SQL, ORACLE.**

2016

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разработчик RFID-систем

RFID-system for access control and monitoring of movement of people

What is the effective method to monitor people traffic-related processes?

Why is statistics important in people traffic monitoring? It is helpful everywhere: from monitoring buyers in a shop to keeping records of the time of staff being late or absent from their workplaces. But how can we find the most convenient and precise method that would assist in monitoring the people traffic or tracking a particular person? Surveillance cameras can be installed, but they are not almighty — all cameras have "blind" zones. Moreover, they are not useful for minute-by-minute tracking of every person, especially in a large area.

There is another problem — access control. How, for example, can one distinguish a person, who entered the wrong floor in a business center? How to designate a warehouse access by certain workers and to promptly respond to an unauthorized access? Human factor plays a great role here — someone has not noticed a stranger on a surveillance camera, someone let a stranger to access a restricted area.

What is to be done? How to track all movements of people and exercise permanent monitoring automatically?
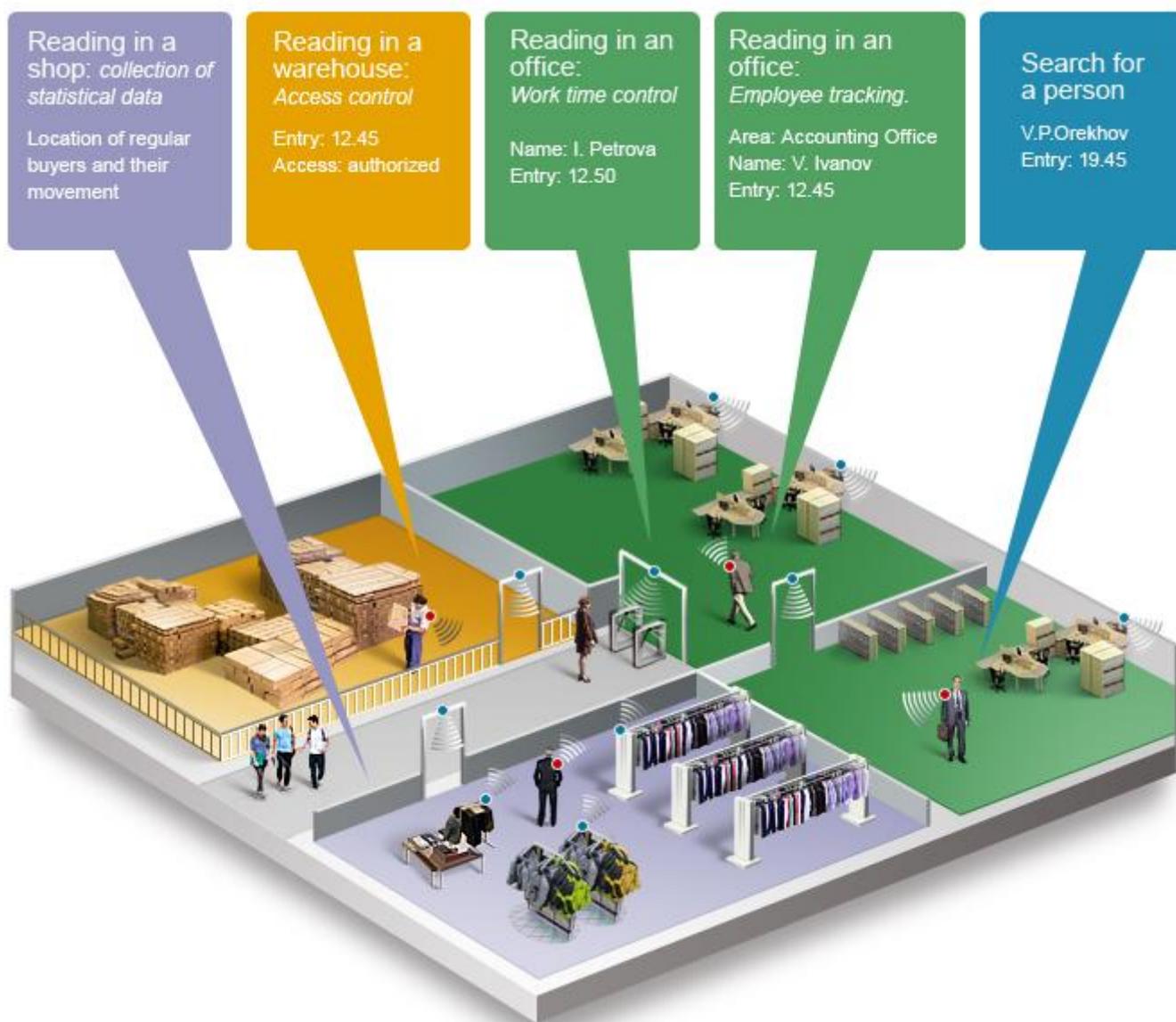

You don't need to apply cards or steadily watch cameras — RFID technology is based on radio waves, responding to location of an object (a person with a special tag on his/her clothes — a badge or a bracelet) within a radius of 3 - 7 meters in the readers' operating range, and instantly send the information to a computer or a PDA, where it is synchronized with a database.

What are the Benefits of RFID System Use?

1 **Simplified tracking of people's movements.** The system cannot be deceived: it will recognize the tag, even if a person is 5–7 meters away from the reader — there is even no need to apply a card. So, looking into a database, you will see at once who, when and where has gone.

2 **Safety and quick response.** Unlike cameras that should be attended by a human, an RFID system responds automatically to a preset parameter: e.g., sends a signal to a system in case of an unauthorized access to a restricted area.

3 **Convenient tags.** Depending on the objective, RFID tags can be placed on badges, bracelets, plastic cards. At that, they should not necessarily be in view — the system will read them even from a pocket.

4 **Durability and reliability.** The system is fairly simple and therefore reliable. If your software needs to be updated, our specialists will help you.

The System Capabilities

Reading in a shop: *collection of statistical data*	Reading in a warehouse: *Access control*	Reading in an office: *Work time control*	Reading in an office: *Employee tracking.*	Search for a person
Location of regular buyers and their movement	Entry: 12.45 Access: authorized	Name: I. Petrova Entry: 12.50	Area: Accounting Office Name: V. Ivanov Entry: 12.45	V.P.Orekhov Entry: 19.45

Using the RFID – system enables:

✓ *logging events* such as time of a person's arrival, departure, staying in the area, e.g., when a person entered a room, how long he/she stayed there, when he/she left it.

✓ *tracking people's movements:* you do not need to apply a card or to put your signature in the security's logbook, and the lost tags can be easily replaced.

✓ *working time monitoring:* you will be able to make schedules for employees and track all instances of being late, as well as an employee's presence at or absence from his/her workplace. This will enable

calculation of the entire staff performance.

✓ *finding and tracking any person:* the database search will allow you to find an employee or a visitor wherever he/she is.

✓ *collecting useful statistical data:* it will be easy to determine now, which parts of a business center or a shop are most frequently visited, which office departments have the longest lunch breaks and thereby optimize many business processes.

✓ *configuring the access:* you can enter the information about certain people's access to a particular area, and if temporary access is needed — limit the duration of their staying there.

Cost-effectiveness of the implementation of RFID Systems in your business

1 Since all the processes are automated, decrease of costs on the controlling and registering staff.

2 Automatic monitoring. You do not need to spend working time on drawing up of the statements. RFID-system provides all necessary documentation.

RFID-System Features

Use of Ultra-High Frequency (UFH)

This is the frequency of tag reading at the optimum distance — 3−7 meters from the object. A larger distance may result in confusion, and a shorter one will make it hard to notice a stranger approaching the restricted area. At that, other devices in this range operate in a regular mode and do not interfere with the system's operation.

Use of ITProject RFID Server Platform + server and client modules

ITProject has developed a practical box solution, enabling the use of any RFID-readers (including those manufactured by different companies) and solving a wide range of tasks associated with staff and visitors traffic monitoring, as well as controlling the access and working time within an enterprise.

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Simple Integration with Different Accounting Systems

Integration with different customer's accounting systems (at the DB level or using the API library): 1C, SAP, Microsoft Navision etc.

How to start
using the system?
Our phone number: (495) 228-04-80

First you need to understand what system configuration will be optimal for your company. To do this, please contact our experts: they will answer all your additional questions and advise what to do next.

P.S. Do you hesitate to order because you think the system is too complicated to use? Are you afraid that the staff would have a long time to understand and get used to the new work scheme ? Throw a doubt! Our workers are always ready to help you at the first stage of the installation and implementation of the system, as well as to carry out the warranty service.

P.P.S. Want to get an extra year of warranty service? In a conversation with our managers do not forget to mention that you have learned about RFID-system on our website.

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