

"ITProject" Company is integrator and software provider for RFID-systems

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RFID system used for inventory and property accounting

It is implemented based on RFID «ITProject RFID Server» platform
+ server and client modules

ITProject RFID Server

Платформа для построения любых RFID-систем, управления и сбора данных со стационарных и мобильных RFID считывателей.

www.rfidserver.com



- Support of EPC Global international standards;
- Simple operation and automatic connection of RFID readers from different manufacturers;
- Integration with different accounting systems - 1C, SAP, Microsoft Navision and other systems.
- Support of different databases - MS SQL, ORACLE.

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Description of RFID-system for the inventory of property and control over its movement

How to keep control of all fixed assets in the enterprise?

Why do we need an inventory? At any company, office, hotel it is necessary from time to time to know what material resources are available to the company and to have the relevant documents. But during any inventory process problems with great number of documentation, confusion and, ultimately, ignorance of the real state of affairs may occur. Which can ultimately lead to losses.

How to achieve the most accurate inventory and to avoid mistakes?

"ITProject" offers you to use RFID-system based on the [«ITProject RFID Server»](#) platform for the inventory of fixed assets at the enterprise.



RFID technology (radio frequency identification) allows you to use radio waves to identify objects of property automatically. To do this, to the objects (in our case - tables, chairs, computers) special programmable RFID tags that are recognized by RFID-reader from a distance of 5-8 meters are attached. The information read from the tags is sent to the accounting system and can be checked at any time.

What benefits brings the usage of RFID system?

- 1** It provides **fast and reliable inventory of property** at the enterprise by reducing paperwork and minimizing errors.
- 2** It **optimizes the cost of inventory**. It reduces the use of labour force. The process is fully automated: additional papers and documents are no longer needed.
- 3** It **eliminates human errors**. Human errors in counting and sorting of property are reduced to a minimum now.

The main functions of the system

- 1** **Fast inventory of the OS with the help of a manual reader**. Thanks to RFID-technologies a complete inventory in a small room (25-30 m2) can be carried out in less than 5 minutes.
- 2** **Control of OS movement**: stationary readers keep track of who and what brings out of the room and notifies the guard in case of violation.
- 3** **Search of objects**: lost thing can be easily found. You just enter its code to mobile reader and go around all the rooms. If you find the necessary object the reader will notify you with special signal.

The System Capabilities

- ✓ *A choice of technology to be used in your case* — RFID or bar code marking. That is — a choice of more efficient and cost-saving budget.
- ✓ Both technologies (RFID and bar code marking) *possess unique adaptability* to the company's available information infrastructure.

Which technology should be chosen: RFID or bar-coding?

The main advantage of the barcodes is their low cost. However, barcodes can be easily torn or dirty, in which case they will not be read. They also can not be overwritten.



The second technology - RFID is based on radio frequency identification. Special tags are attached on the subject of the, but, unlike bar codes, they can be read from a distance (up to 7 meters), the information can be rewritten and multiple tags can be read simultaneously. RFID-tags are reliably protected from unauthorized access, can withstand mechanical damage and even high temperatures.



Thus, bar codes is less reliable, but a more economical solution. A RFID-technology ensures the reliability by the cost of great investments.



Get an advice on the technology that best fits your needs!

Where and how can the system be applied?

The system will find its place in any business, with the need in asset accounting — from medium and large offices to hotels and factories. Tags can be attached to furniture, equipment and other items.

Completed RFID projects:



Russia Today, is a Russian state-funded television network which runs cable and satellite television channels, as well as Internet content directed to audiences outside the Russian Federation. RT International, which is based in Moscow, presents around-the-clock news bulletins, documentaries, talk shows, and debates, as well as sports news and cultural programmes about Russia.



The **Nazarbayev Center** was established by a Decree of the President of the Republic of Kazakhstan on January 23, 2012 as a multifunctional research and educational public institution. The Nazarbayev Center is dedicated to advancing research and broadening the information available on the history of statehood of Kazakhstan.



Irkut Corporation is a Russian aircraft manufacturer, member of the United Aircraft Corporation. It is best known as being the manufacturer of the Sukhoi Su-30 family of interceptor/ground-attack aircraft. The company was founded in 1932 in the Transbaykal region in the Russian Federation. Irkut has its head office in Aeroport District, Northern Administrative Okrug, Moscow.

[Check out the other completed projects for the implementation of the RFID-system on enterprises ...](#)

The economic effect from the introduction of RFID-systems

1

Automation saves time and money, and reduces the costs for the staff.

2

Reduction of the paperwork helps to reduce the risk of errors and, as a consequence, the losses arising due to such errors.

Features of RFID-systems



Usage of ultra-frequency UHF

in the range of 860-960 MHz allows you to read an object at a distance of about 3-7 meters, which makes reading of RFID tags data attached to fixed assets easy and reliable.



Usage of the «ITProject RFID Server» platform + server and client modules

Conveniently packaged solution from "ITProject" Company allows you to use any mobile RFID-readers (even different manufacturers are admitted), as well as to automate accounting and the movement process of assets at your enterprise.

Easy integration with different systems of accounting

Integration with different accounting systems of the customer (at the database level, or using the API library): 1C, SAP, Microsoft Navision and others.

Where to start?

Our phone number: **(495) 228-04-80**

Would you like to be in control of all the company's assets? Then you should automate the inventory process and introduce the system in your company – the best way is to discuss specific details with our experts. We will give you advice, explain all subtleties and nuances of the system implementation.

P.S.

If you are concerned that the RFID-system implementation will require special training of the staff or that the system maintenance is complicated — you need not worry! We provide assistance to our clients in all complex issues of the system operation, including the staff training at the stage of introduction, and provide warranty servicing.

P.P.S.

Would you like to get an extra year of the system warranty servicing? When talking to our managers, do not forget to mention that you learnt about the RFID-system from our website.