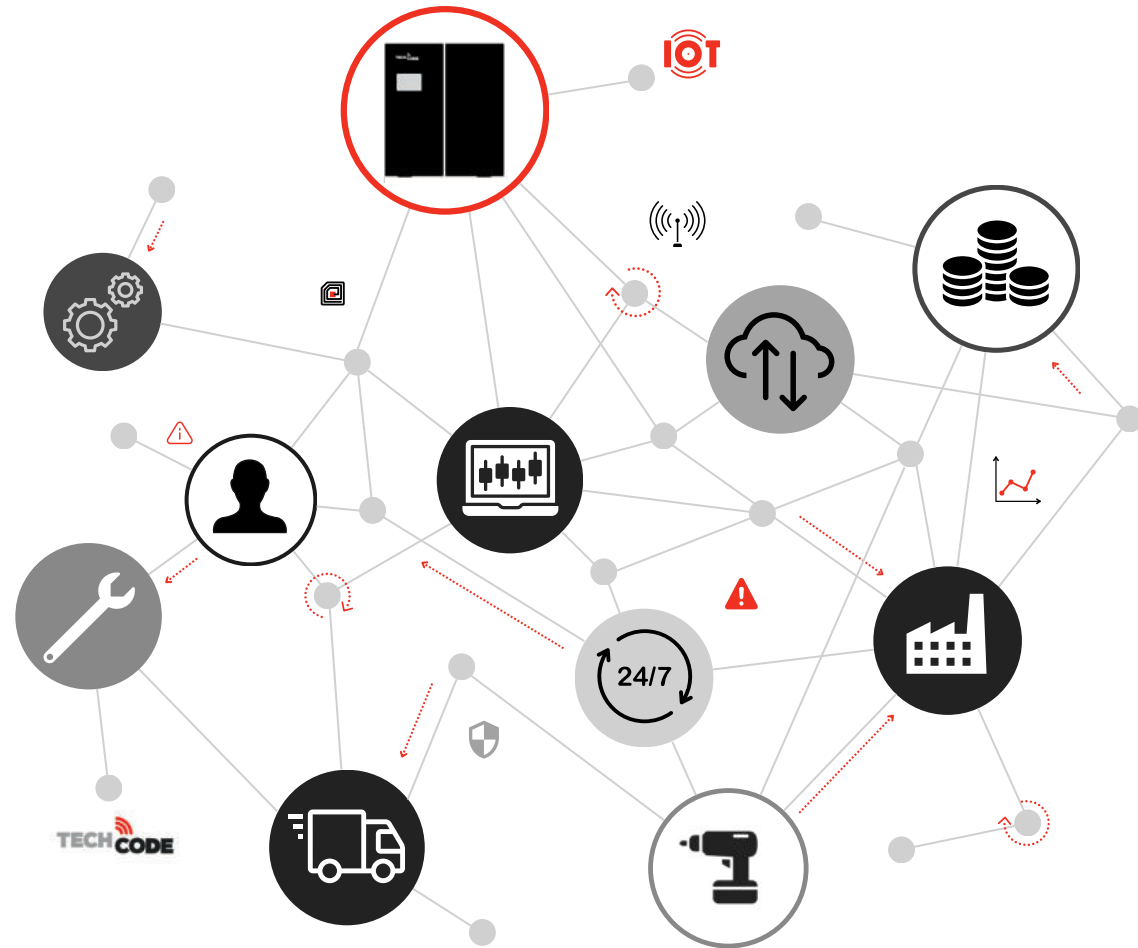




TECHCODE[®] **RFID**

SMART CABINETS ABLE TO READ TAGS

SMART TECHCODE®
RFID CABINETS THE
ORIGINS OF THE CONCEPT



Explore the possibilities of the **TECHCODE RFID** cabinet in System S.3 - **more than just storage**



We are the **Polish manufacturer** that is classified as a medium-sized company. We have been present **on the market for over 3 decades**. Our company opts for innovative solutions developed thanks to our extensive experience.

Soon enough we understood the hidden potential of the **Internet of Things** concept and started testing possible **application of the RFID technology** in the metal cabinets. We wanted to develop a smart cabinet, that would register and store data aimed at improving maintenance or management of logistics in the company.

This is how multifunctional TECHCODE[®] RFID cabinets were created.

We were among pioneer companies in Poland which implemented RFID technology in the metal cabinets.

TECHCODE[®] RFID cabinets can be operated in a few Systems and they can perform different tasks. Solutions that we have implemented in the S.3. System, with **which TECHCODE[®] RFID cabinets are provided and which allow reading of the RFID tags, has been filed by Techmark with the Polish Patent Office and has been granted patent registration under the following number: P. 422041, as well a number of registered utility models.**

**WHAT DOES IT
MEAN, THAT
TECHCODE[®] RFID
CABINETS ARE 'SMART'?**



Smart TECHCODE[®] RFID cabinets are equipped with RFID UHF technology. Thanks to it, they are able to replace men in completing many of their tasks.

Information that is automatically registered and stored in the cabinet **enable more complex analysis, which consequently contribute to optimization of numerous operations** and actions undertaken by the company and lead to improved efficiency.

This is why they **make an essential element of modern tools**, thanks to which companies are able to foresee and immediately react to different types of demands or obstacles that can arise in the logistics.

MOBILE STORE

TECHCODE[®] RFID cabinets function as small stores, which can be located in a chosen place and then re-located at any time. Order, as well and fast and easy access to the required Resources mean time saving and measurable benefits for the company.



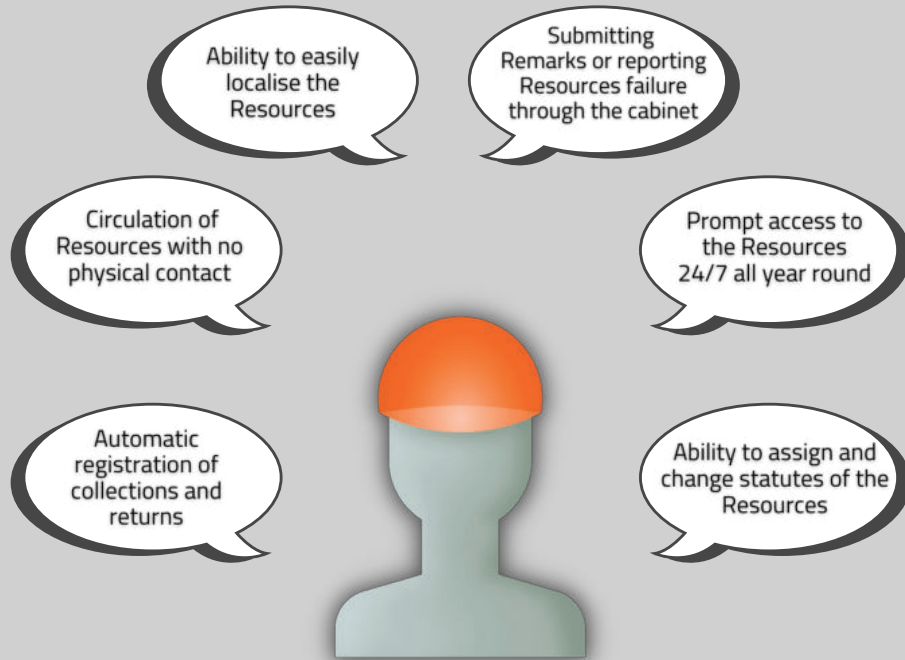
TECHCODE[®] RFID multi-compartment cabinets

**WHAT FUNCTIONS
OF THE TECHCODE®
RFID CABINETS
PROVE MOST
ATTRACTIVE?**

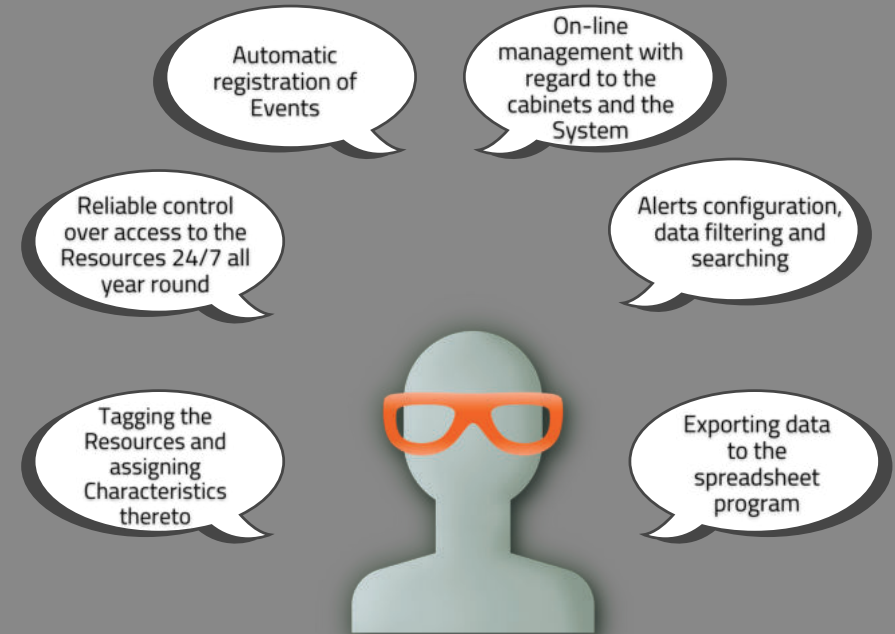


TECHCODE® RFID self-service library station

USERS' OPINION



SYSTEM ADMINISTRATOR'S OPINION



CONTROLLING ACCESS TO THE CABINETS AND THE RESOURCES

This is the basic function of the TECHCODE[®] RFID cabinet. Using a dedicated software called **Zasobnik** the Administrator decides who should be given access to the specified Resources, when should that happen and for how long.

TECHCODE RFID[®] cabinet identifies, authorises and grants access only to those Users, who have been **granted authorisations specified by the Administrator.**



Granting or blocking access to the TECHCODE[®] RFID cabinet can be performed remotely as well.



IDENTIFICATION OF THE RESOURCES



Identification by the TECHCODE[®] RFID cabinets of the tagged Resources was the function that marked the new beginning in the production of this furniture. Development of new functionalities contributed to a vast range of benefits available for the companies that use our cabinets.

That was the moment when our TECHCODE[®] RFID cabinet could take over numerous tasks that used to be performed by a man, guaranteeing at the same time **reliability of stored data and a ready for operation mode.**



Exemplary RFID tags



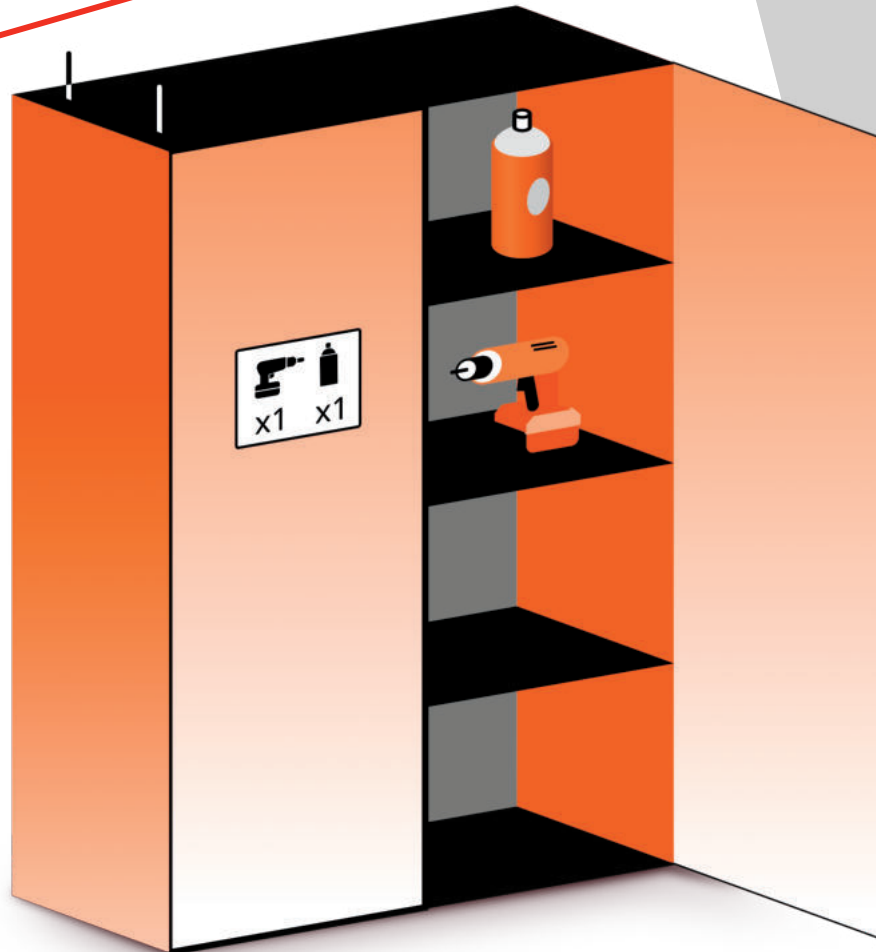
This functionality enables the System to immediately send e-mail Alerts to the recipients authorised by the Administrator.

ALERTS

System Administrator is able to configure Alerts, that are sent to all selected e-mail addresses. **Specific Alert can notify the recipient of the Events performed in a given TECHCODE®RFID cabinet, in relation to certain Products or at specified time.**



REGISTRATION OF DATA CONCERNING THE EVENTS



Each TECHCODE[®] RFID cabinet using S.3 System is able not only to **identify the tagged Resources**, but also to **automatically register** information concerning all Events, that were performed in the cabinet.

Zasobnik is a web application that forms an integral part of the S.3 System.

Each attempt to open the TECHCODE[®] RFID cabinet door, each successful User identification, or each Event performed by such User (e.g. collection or return) is **automatically registered in the Zasobnik application.**

STATUS CHARGE

By means of the Zasobnik application the application Administrator can create different Statuses for the Resources. Further, the Administrator can enable the **Status editing function to be available for the Users** through the tablet with which TECHCODE[®] RFID cabinet is equipped.

Information concerning particular Resource can be edited through adding, amending or deleting certain entries by the User.

Select status

- 01.Working condition
- 02.Discharged battery
- 03.Significantly worn-out
- 04.Damaged

SAVE

Statuses updated by the Users by means of the TECHCODE[®] RFID cabinets improve administration of the Resources, restocking, organisatin of supplies or repairs.



INFORMATION FROM THE USERS

By means of the tablet with which TECHCODE[®] RFID cabinets are equipped, the Users can report their **Remarks (in the form of short written messages typed on the monitor screen)** relating to the certain Resource (e.g. the need to restock/ repair the Resource, etc.) or the cabinet's operation.

These Remarks are saved in the System, and depending on the System configuration, they **can be additionally sent by e-mail to the selected recipient.**

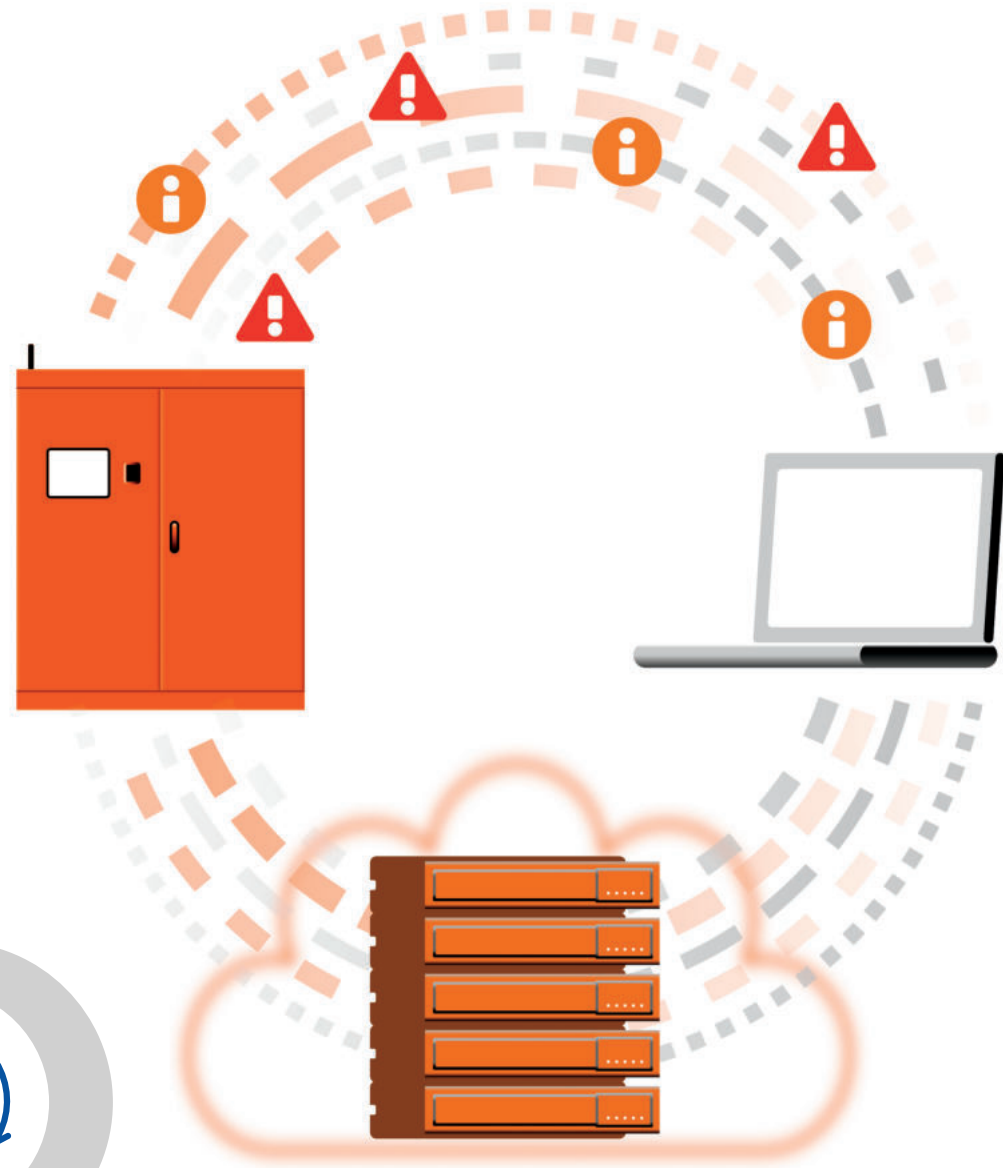
This functionality enables the Administrator to react to all urgent or unforeseen situations that require immediate actions to be undertaken.



REAL-TIME ACCESS TO INFORMATION

S.3 System provides real-time, 27/7 all year round **access to all information saved in Zasobnik.**

The Administrator can access the software remotely **using web browser on any type of device with Internet connection.**



Registration of all information by means of the TECHCODE[®] RFID cabinet provides complete control of who performed a certain action, what action was it and when it happened.



COMPILATIONS, REPORTS AND DATA ANALYSIS

All data collected through the TECHCODE[®] RFID cabinet is regularly sent to Zasobnik, where it is archived.

Application enables data searching and filtering, based on which different analyses are conducted, as well as exporting selected content to CSV file.

Such compilation can be used when **reports need to be drafted** (e.g. in order to determine depreciation of individual Resources, to foresee shortages, to plan supply chain, inspections, etc.).



**DO OUR TECHCODE[®]
RFID CABINETS
MAKE THE MOST OF
THE RFID TECHNOLOGY?**



TECHCODE[®] RFID lockers for dirty clothes

Definitely not. For the first time we implemented the RFID technology in our TECHCODE® RFID cabinets **a few years ago and things have changed a lot since then.**

At the beginning our cabinets' main function consisted in **access control verified on the basis of proximity identifiers.**

But we soon understood the potential of this technology and we started testing, following which we have **implemented new functionalities in our TECHCODE® RFID cabinets.**

Some of the ideas on how our TECHCODE® RFID cabinets can be used for certain purposes, come from our Customers. When they communicate their specific requirements, they often contribute to the process we later follow in order to implement **pioneer and dedicated solutions.**

These are the individual requirements presented by our Customers, that imply constant development of these products.



TECHCODE® RFID key cabinet

**IS IT WORTHWHILE
TO INVEST IN
INNOVATIVE SOLUTIONS?**



TECHCODE® RFID storage cabinets



All companies wishing to leave the competition behind invest in innovative solutions, and **integrate automation of service and production processes into their business models**. When the Resources management is based on data collected by the TECHCODE[®] RFID cabinets, it is easier to measure the Resources wear and tear and organise predictive maintenance.

Effective planning of supply or repairs of defective equipment **facilitates coordination of actions undertaken by employees, ensures processes volatility and reduces downtime costs.**

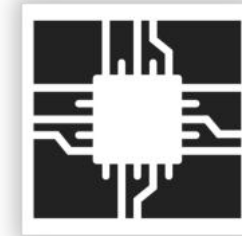
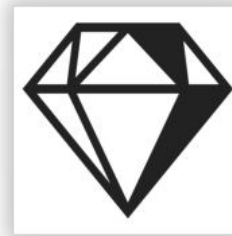
TECHCODE[®] RFID cabinets were awarded TÜV RHEINLAND certificate.



**WHAT CAN BE
STORED IN THE
TECHCODE[®] RFID
CABINETS?**



TECHCODE[®] RFID storage cabinets



TOOLS

FILES, DOCUMENTS

VALUABLE ASSETS

SUBASSEMBLIES

Each item, that is suitable for storing and can be marked with the RFID tag. This is important, as the operation of the TECHCODE[®] RFID cabinets is based on their **ability to read information coded on tags**, with which Resources stored in the cabinets are marked.

Such items include not only keys or tools, but also specialist medical devices, electronic equipment, or file binders. **To sum up, TECHCODE[®] RFID cabinets enable storing of all types of items that require special supervision, constant control or reliable registration of collections and returns.**

TECHCODE[®] RFID can be additionally equipped with special holders, separators or extra shelves.



WHICH TECHCODE® CABINETS ARE PROVIDED WITH THE RFID TECHNOLOGY?



MULTICOMPARTMENT CABINETS

Also known as: deposit cabinets, food lockers, lockers for clean clothes so called parcel cabinets.



OFFICE AND TOOLS CABINETS

These cabinets enable storing of different types and sizes of Resources used for different purposes, and they comply with the requirements provided for in the GDPR.



CLOTHING LOCKERS

Lockers also known as social clothing lockers are available in different versions, also L-type commonly used in the cloakrooms.

DROP BOX CABINETS

Also known as lockers for dirty clothes, are used to collect and trace circulation of used Resources like work wear, towels, etc.



DEPOSIT CABINETS (e.g. for keys)

Deposit cabinets for keys and documents are mainly used by garages and car rental facilities, as well as hotels.



FILE CABINETS WITH DRAWERS

Cabinets with drawers are designed for safe storage of maps, drawings, sketches, and other types of valuable exhibits e.g. in museums.





METAL FURNITURE MANUFACTURER
SINCE 1990 r.

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*For more
information on our
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cabinets please visit
our website:*



www.techcoderfid.com/en



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