KEYCONTROL.

Software suite for radio-frequency tagging of utility networks, equipment and restricted zones

- ✓ The software suite is registered in the register of the Federal Service for Intellectual Property (Rospatent) – certificate No. 2023667725 dated 17.08.2023
- ✓ The software suite is included in the unified register of Russian software for computers and databases under registry entry No. 23382 dated 25.07.2024

Risks of uncontrolled utility systems.

Manual record-keeping



Data on assets is kept on paper or in scattered spreadsheets — it is hard to find up-to-date information quickly.

Fragmented documentation



Operating documentation is not updated on time and is not directly linked to the physical asset.

Equipment identification errors

Staff visually confuse identical nodes and assets, which leads to incorrect servicing.

Delayed response to incidents

Locating the required utility network node takes time, which is critical during an emergency.



30-50% reduction in unplanned downtime

10-40% reduction in maintenance costs

Source: McKinsey (review by Technowave Group)

servicekey

KeyControl suite advantages.

What the customer gains by implementing the suite



01

Unified asset database

All assets and equipment in a single digital database



02

Integrations

Data exchange with other accounting systems and devices



03

Fast access

Asset information — with a single tap of a tag



04

Windows and Linux

The suite runs on different operating systems



05

Customization

Functionality adapted to the customer’s processes



06

Security

Data on the tag is encrypted and protected from reading



07

Flexible deployment

Cloud solution or a server at the customer’s site



08

Low costs

No expensive equipment, standard IT infrastructure

servicekey

KeyControl suite features.

The full asset cycle: from diagram to report

01



Diagram visualization

Assets shown on diagrams — in graphical and tabular form

02



Identification

The asset and all its data — by reading a tag

03



Task assignment

Installation, updating, audit, replacement and removal of assets

04



Execution

Managing assets and work orders in a single application

05



Reporting

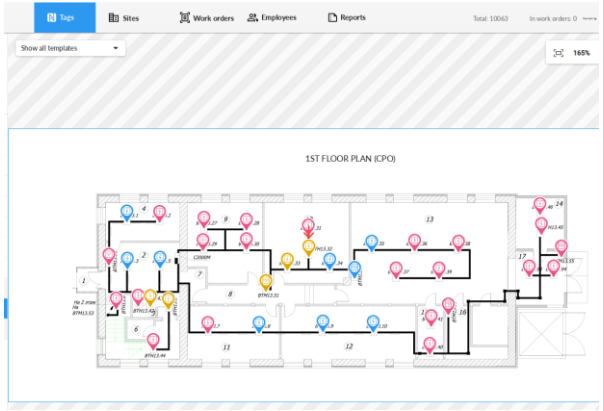
Reports on completed work and a change log for assets

Diagram → Tag → Task → Work → Report

servicekey

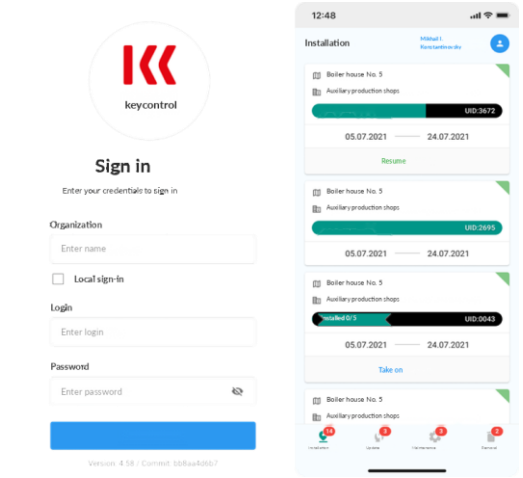
Suite architecture: three components.

Administrative application, mobile application and NFC tags



01 Administrative application

Access rights, task assignment, diagram visualization and reporting



02 Mobile application

Reading tags, asset data and logging operations in the field

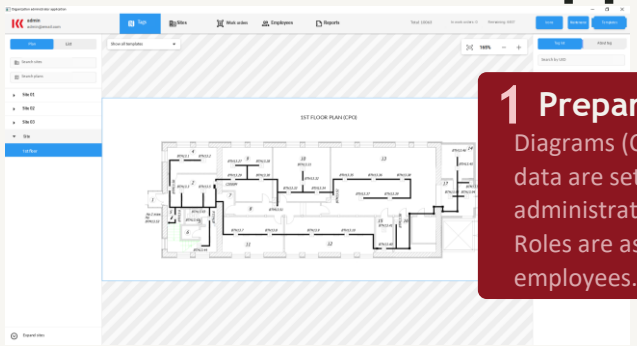


03 A set of radio-frequency tags

Radio-frequency (RF) tags on utility network assets and equipment

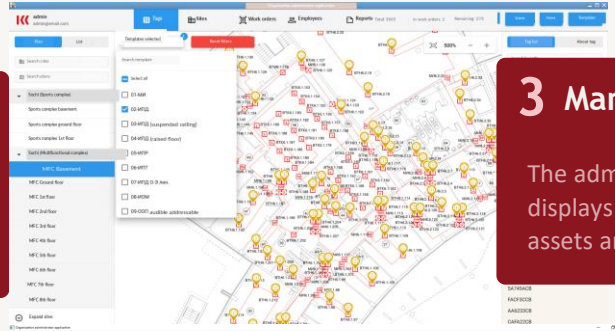
servicekey

Administrative application.



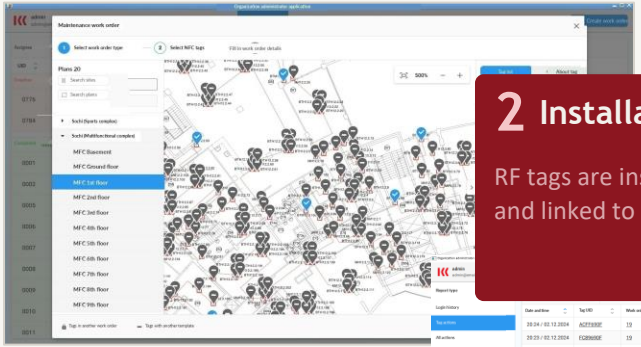
1 Preparation

Diagrams (CAD) and reference data are set up in the administrative application. Roles are assigned to employees.



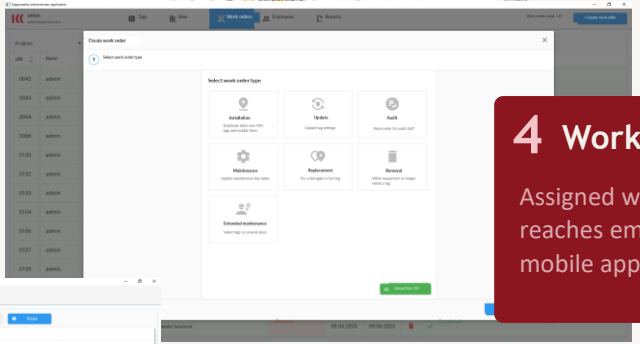
3 Management

The administrative application displays full information about assets and manages them



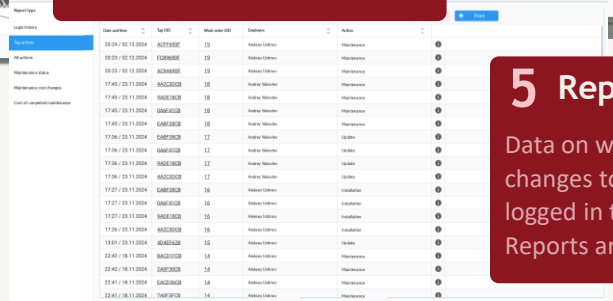
2 Installation

RF tags are installed on assets and linked to the diagram



4 Work assignment

Assigned work (work orders) reaches employees in the mobile application

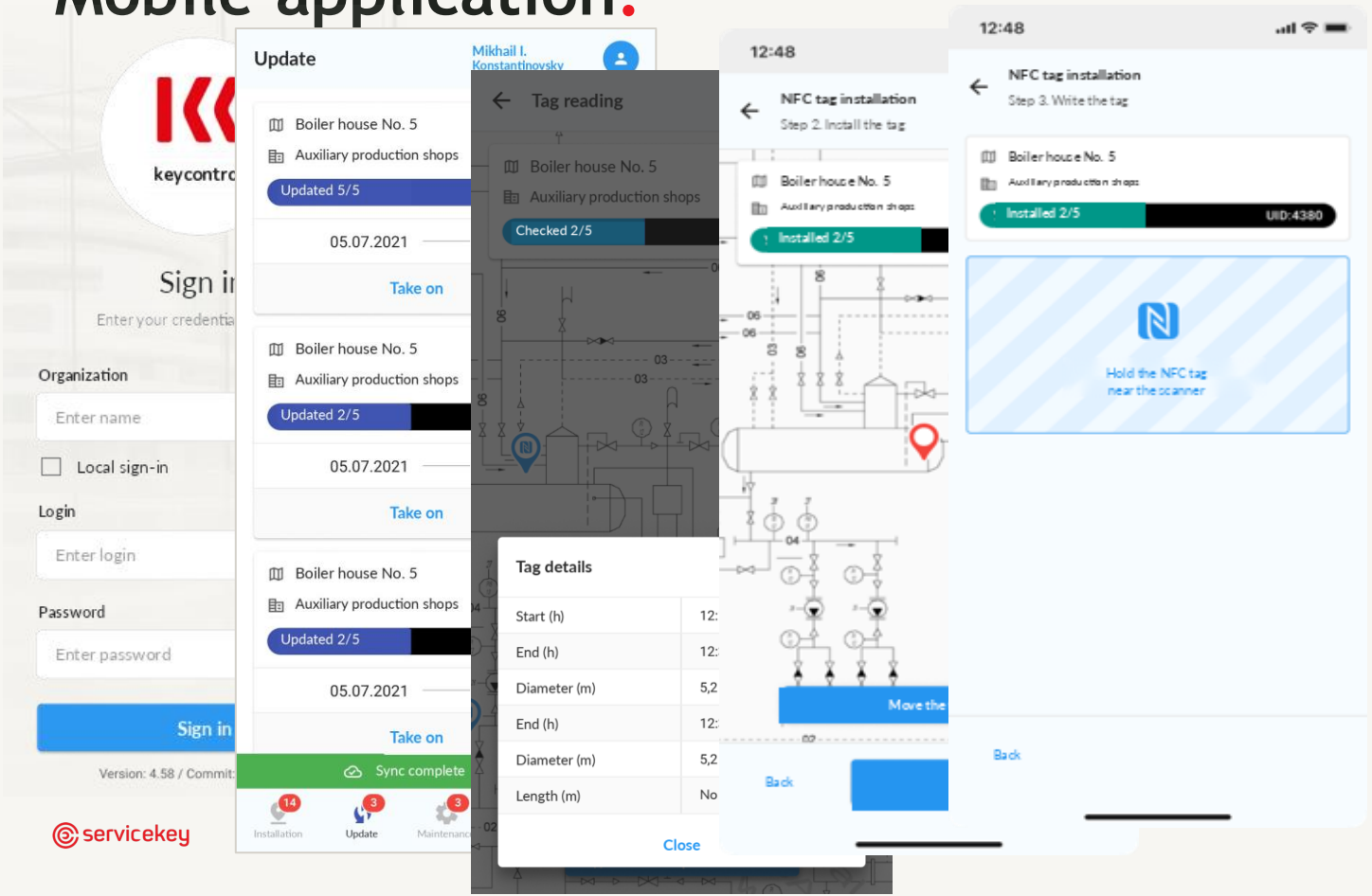


5 Reporting

Data on work orders, as well as changes to tags (assets), is logged in the application. Reports are generated.

servicekey

Mobile application.



4.1 Work orders

The application displays all work orders assigned to the employee

4.2 Reading

Once the work order is accepted, the employee reads the RF tag with a smartphone running the mobile application

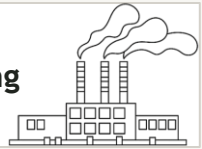
4.3 Identification

The asset is automatically located on the utility diagram. Asset information can be retrieved if needed.

4.4 Execution

The employee carries out the maintenance and logs its completion using the smartphone's NFC

Industries of application.

- Manufacturing 
- Laboratories 
- Hotel complexes 

- Energy 
- Transport and logistics 
- Retail 
- Construction 
- Healthcare 

Utility systems under control

- Power supply
- Fire and security safety
- Air conditioning, ventilation, smoke extraction
- Water supply and sewerage

servicekey

Contact us to choose a solution for your site.



Our contacts

REGISTRY OF RUSSIAN SOFTWARE

Registry entry No. 23382 dated 25.07.2024

servicekey

115088, Moscow, 3rd Ugreshsky proezd, 8, bldg. 16
info@servicenfc.ru · +7 (495) 640 28 48