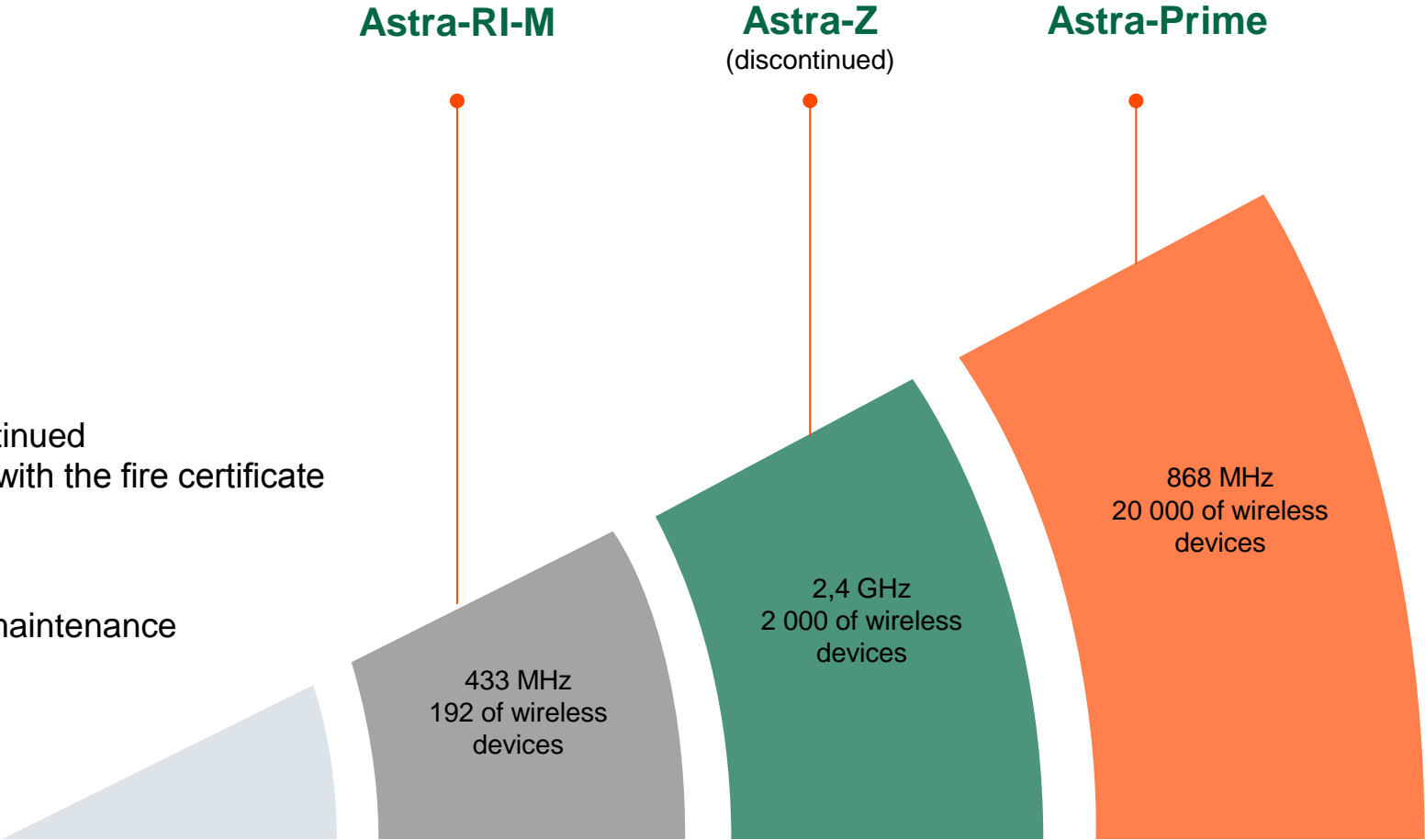# TEKO

New wireless fire and intrusion alarm system

ASTRA-PRIME

New challenges for the market

1   Shortage of components

2   Increase in production costs

3   The Astra-Z system has been discontinued
Astra-RI-M system doesn't complies with the fire certificate

4   Delays in installations, difficulties in maintenance

Astra-RI-M

Astra-Z
(discontinued)

Astra-Prime

433 MHz
192 of wireless
devices

2,4 GHz
2 000 of wireless
devices

868 MHz
20 000 of wireless
devices

TEKO

Astra-Prime
Modern system for professionals

For any kinds of facilities
One system for any kinds of facilities

Cost saving
No overpayments for unnecessary functionality

Quick start
New ways to configure your system

Simplify maintenance and repairs
Original design of the device housing

Astra-Prime application

Small facilities
1 Control panel and
100 hardwired zones

Medium facilities
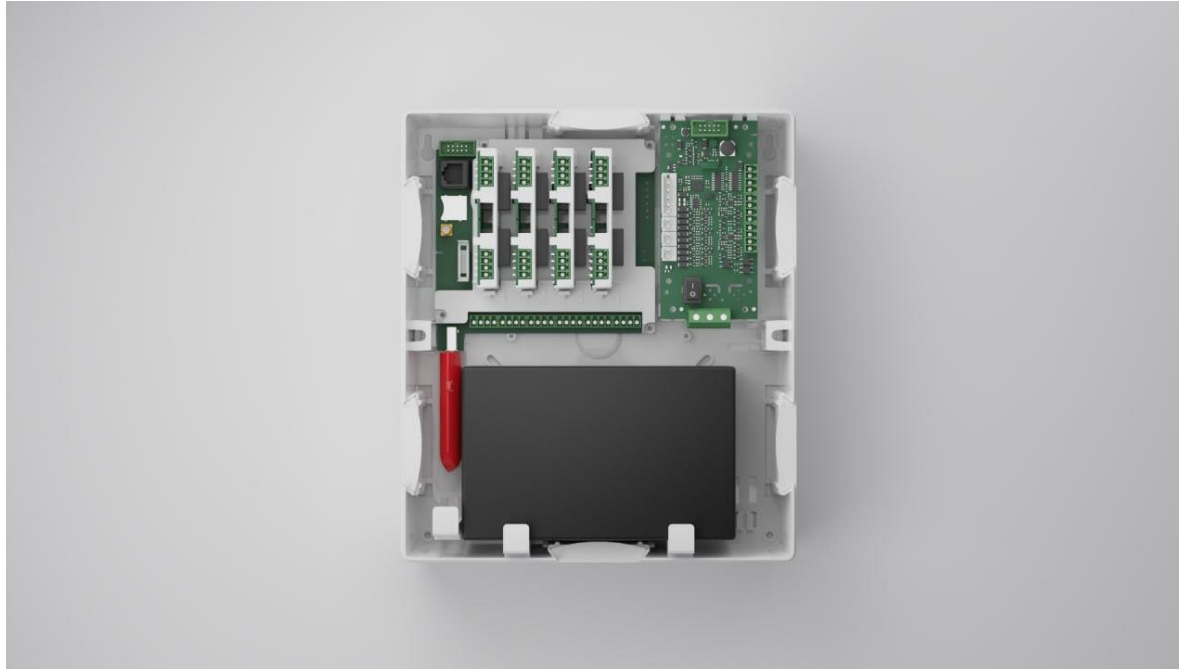1 Control panel and
2000 addressable wireless devices

Large facilities
Association of up to
10 control panels

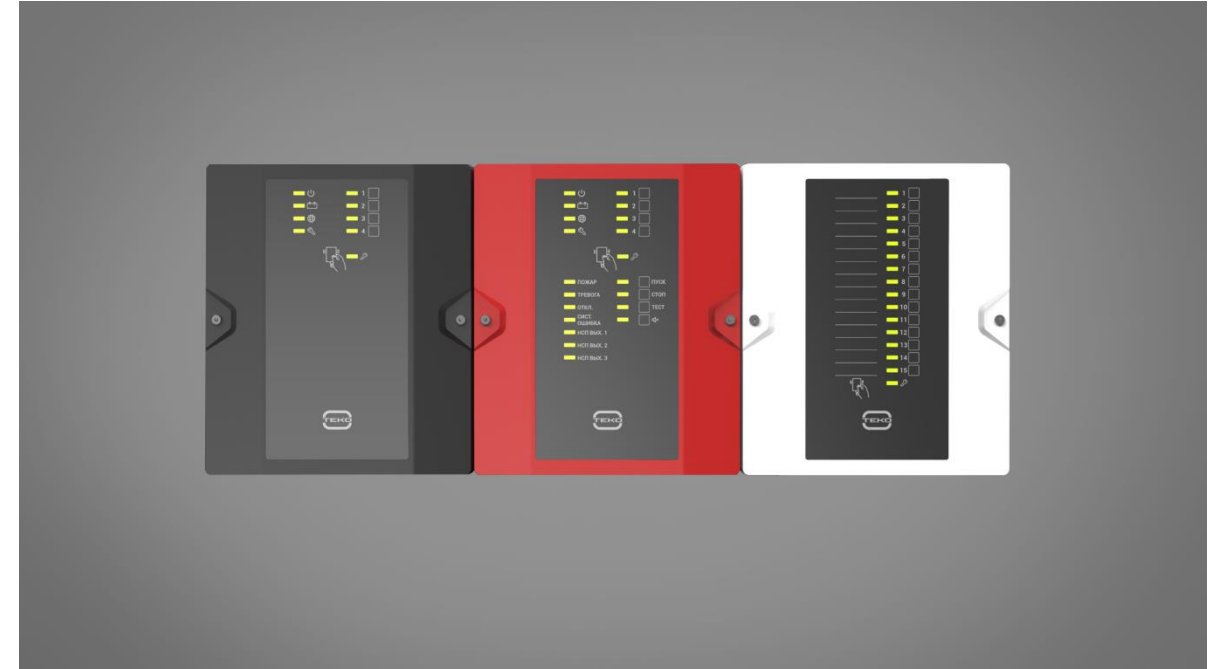TEKO

Design features

«Constructor»
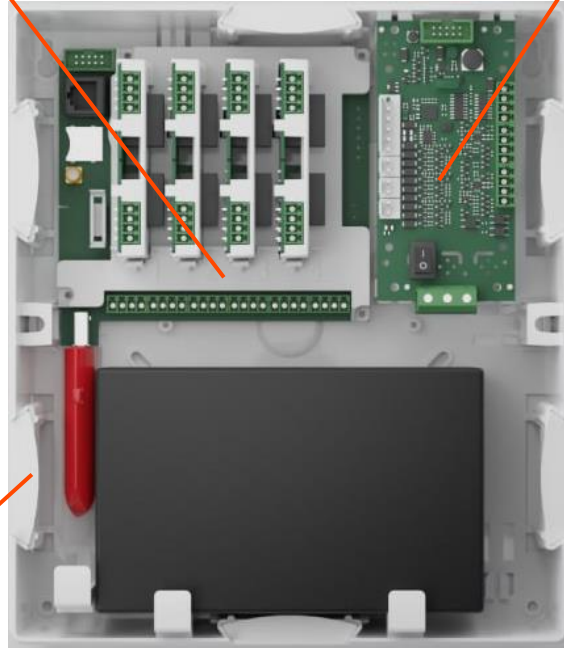Design the control panel for your own needs

«Combining»
Combine device housings into single structures

TEKO

Main system components

Main PCB

Main system controller

Housing

Universal housing for any components of the system

Power supply

Complete integration with the system.
Output current 3A.
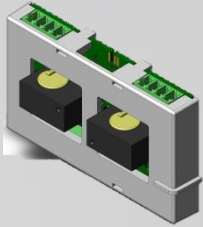Monitoring and charging the battery of 7/17 Ah.
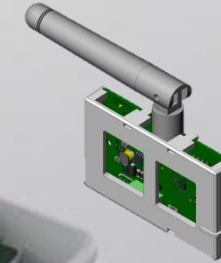
Front panel

Beneficial use of available surfaces
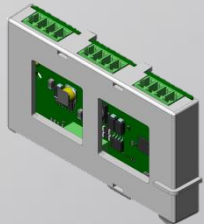

TEKO

Main system components

Relay module

2 relays with load up to 1.5 A.
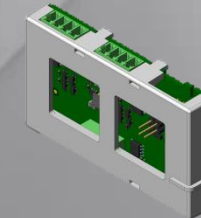Failures monitoring

Wireles extender

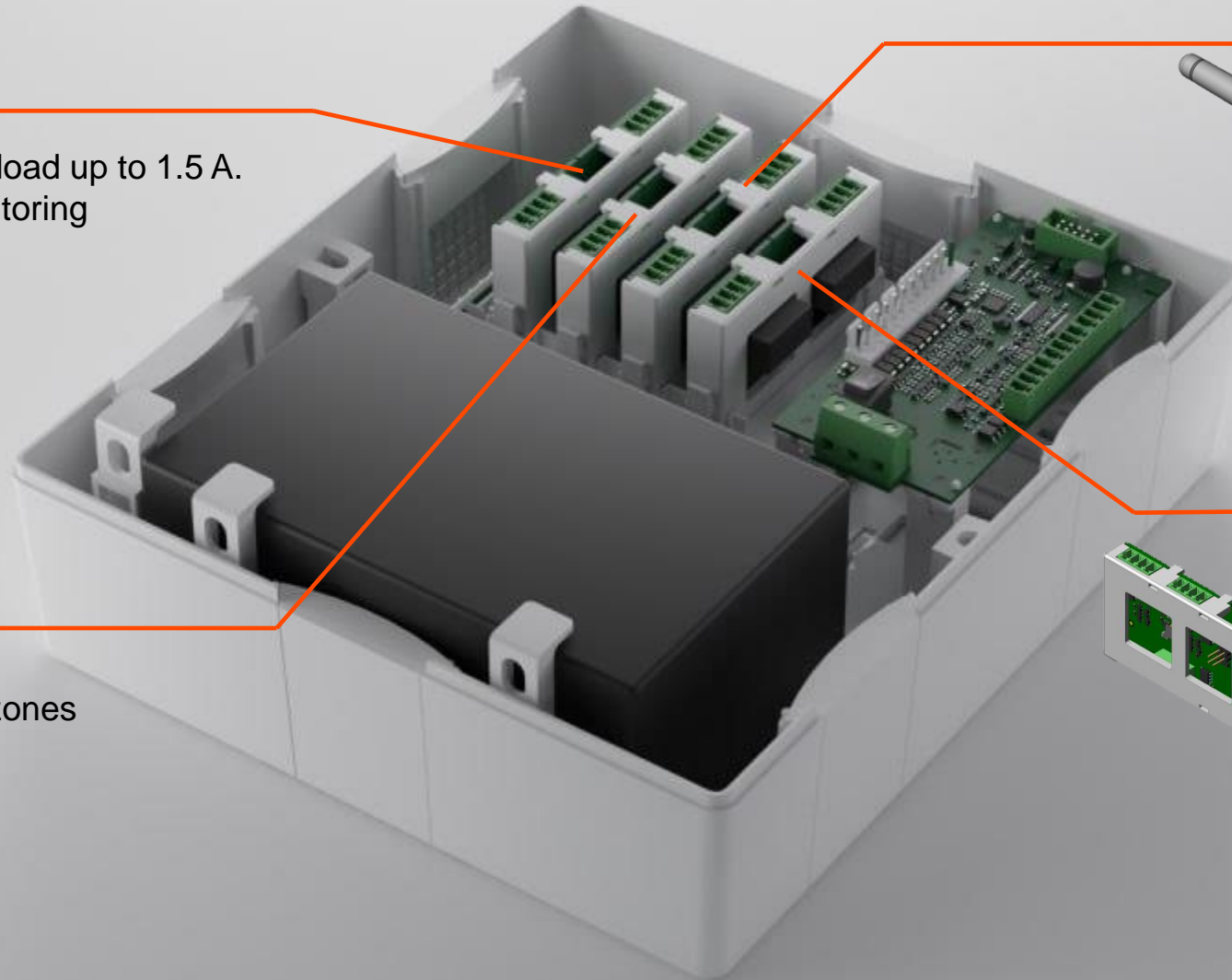Up to 70 wireless devices

Zones extender

6 hardwired zones

RS- 485 module

Communication between system blocks.
Increasing the length of the interface.

TEKO

Combining of housings

■ **Installation**
Fast installation without boxes or grooves

■ **Access**
Easy access to hardware and cable lines

■ **Interconnect**
Combining up to 10 components in a group

■ **Universal housing**
Compliance to requirements

TEKO

Wireless network

Capacity
Up to 2000 of wireless devices

Range
1000 meters direct view

Architecture
Wired spots and relay

Global roaming
Simple system construction. Lack of routes.

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Wireless detectors

- 2-ray smoke chamber

- Protection against false positives

- 1000 meters wireless range (line of sight)

- Temperature compensation for faster response

- Wired spots and retransmission

TEKO

Wireless actuators

Siren
Supports external power supply, outdoor version

Fire 'Exit' sign
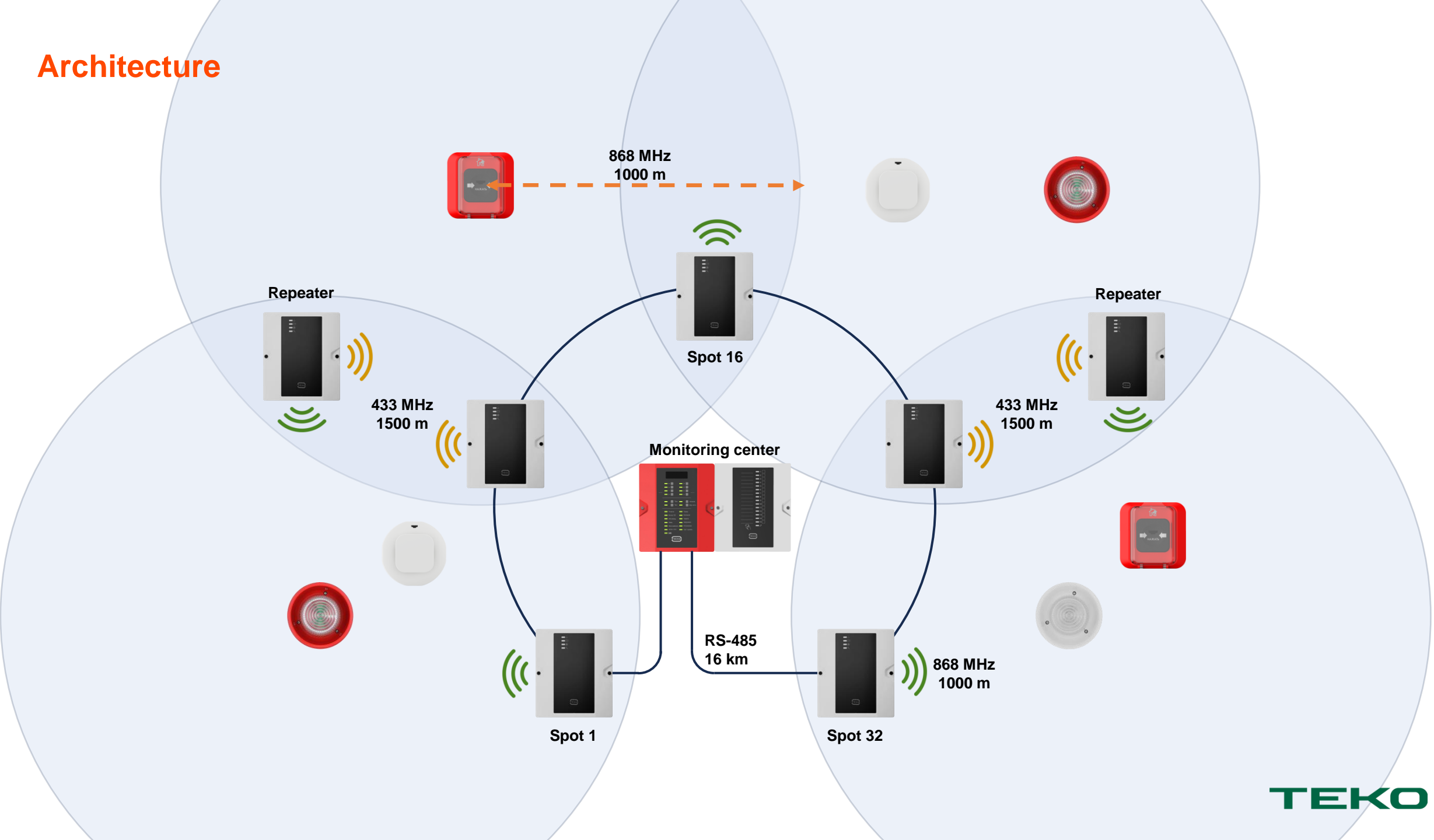Supports external power supply

Speaker
7 pre-recorded messages, supports external power supply, outdoor version, 20 notification areas

ВЫХОД

TEKO

Architecture

868 MHz
1000 m

Repeater

Spot 16

433 MHz
1500 m

Repeater

433 MHz
1500 m

Monitoring center

RS-485
16 km

Spot 1

Spot 32

868 MHz
1000 m

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Communication and monitoring

■ **LAN**
Connecting to a local network / internet

■ **GSM**
Connecting to the internet via 2G/3G/4G modem (from the delivery set)
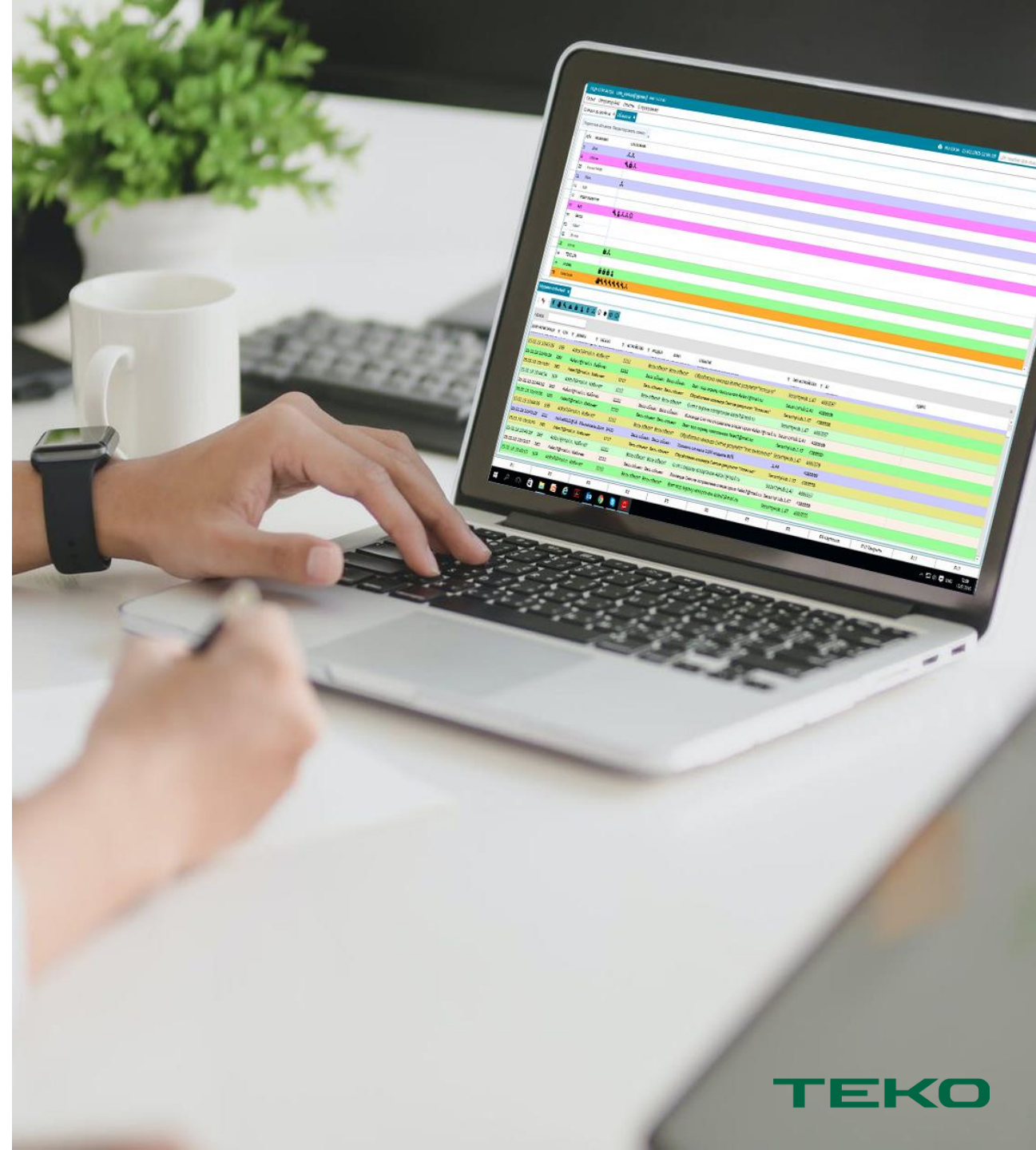
■ **Wi-Fi**
Connection to a local network / Internet via a wireless interface
Operating modes: router, client, access point

■ **PAK Astra (cloud)**
Full integration with PAK Astra (centralized security, mobile application)

■ **Events translation**
Translation events in the Sur-Gard protocol directly to third-party monitoring software

TEKO

Easy to setup

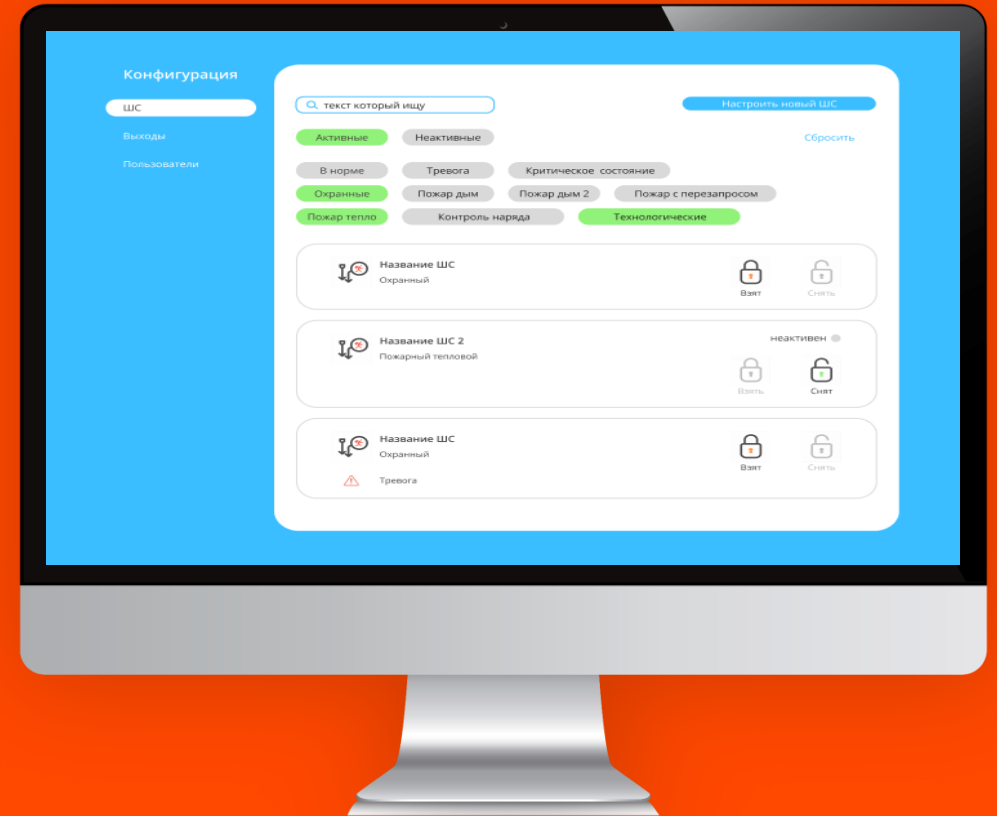**Web-interface**
Via a browser on any device

Wi-Fi
Wireless configuration via built-in Wi-Fi

Easy to register
Register devices by QR code, serial number ок by inserting a battery

QR-code scanner
In a mobile application for mass scanning of devices and exporting list to the control panel

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Implementation stages

1 —— **2** —— **3**

Mass production

July 2024

Astra-Prime-4251
Astra-Prime-4351
Astra-Prime-4551

September 2024

Astra-Prime-7453
Astra-Prime-7052-01
Astra-Prime-8552
Astra-Prime-8252
Astra-Prime-8352
Astra-Prime-8452
Astra-Prime-8452-06
Astra-Prime-8652
Astra-Prime-8652-08
Astra-Prime-8752
Astra-Prime-2351
Astra-Prime-2751
Astra-Prime-2951

October 2024

Astra-Prime-5151-01
Astra-Prime-5151-02
Astra-Prime-5151-04
Astra-Prime-6151
Astra-Prime-3351

TEKO

Additional service from the manufacturer

Our production
Complains all requirements

High-quality
5-years warranty

Develop project documentation
Inexpensive and on time

System configuration
By our specialists

Free trainings
For your employees

TEKO

Thank you for your attention!

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