



ARGUSSPECTRUM

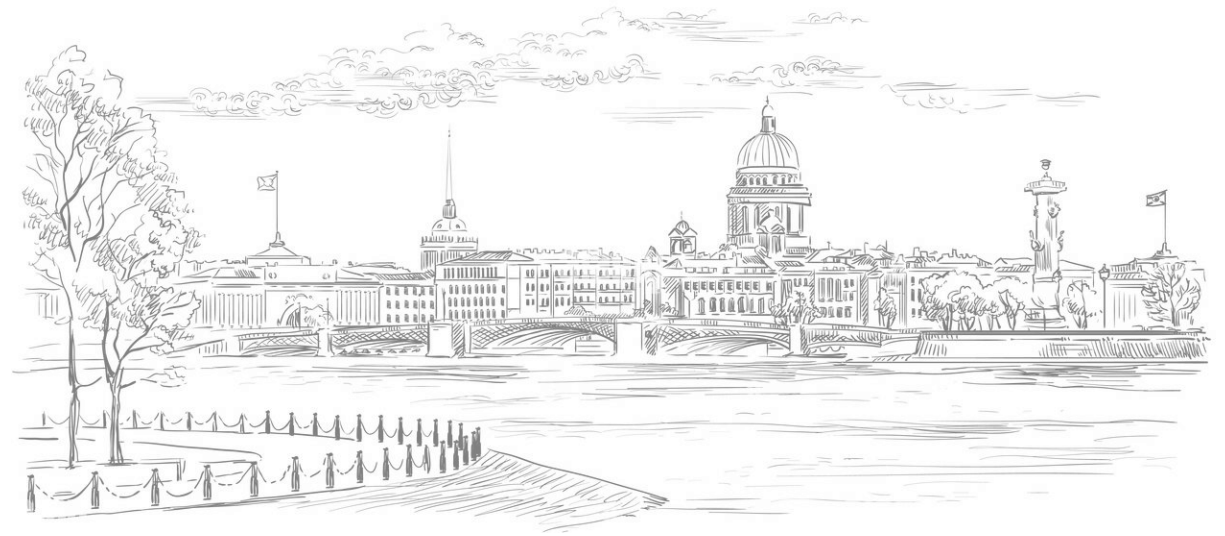
DEVELOPMENT AND PRODUCTION
OF WIRELESS FIRE AND SECURITY SYSTEMS

www.argus-spectr.ru

ABOUT COMPANY

ARGUS SPECTRUM is one of the world's leading manufacturers specializing in the development and production of innovative wireless fire detection and security systems.

ARGUS SPECTRUM is founded in 1993 by the scientists in experimental physics area of the Radio Physics and Electronics faculty of Peter the Great St. Petersburg Polytechnic University, leading university for engineering and technology in Russia.



ARGUS SPECTRUM IN NUMBERS



29 years
of successful history



9,000,000
wireless devices sold worldwide



100,000
devices manufactured per month



200,000
installations around the world



OUR MISSION-

Production of electronics for saving lives

900

Russian cities have our fire technologies for emergency monitoring, rescuing and mass notification.

14

- time decrease in the number of casualties on medical and educational facilities

PRODUCTION

- 8,000 sq.m facility
- 4 x surface mount assembly lines (FUJI, NUTEK, Ersa, Hanwha, Viscom, EKRA, ESSEMTEC)
- 200 employees





ARGUS SPECTRUM is the only company in Saint Petersburg to be recognized by and awarded the Toyota Bronze Medal for its production Management System.

ARGUS SPECTRUM started reorganization of its production management system in accordance with Lean manufacturing principles in 2011. Employees of the company were educated by the specialists of the Toyota Engineering Corporation training center both at the factory in St. Petersburg and at Toyota Motor plant in Japan.

PRODUCTION MANAGEMENT SYSTEM in accordance with Toyota Total-TPS



As a result, the company managed to increase productivity by 5 times, reduce time and wastage at each stage of the production cycle and improve product quality.

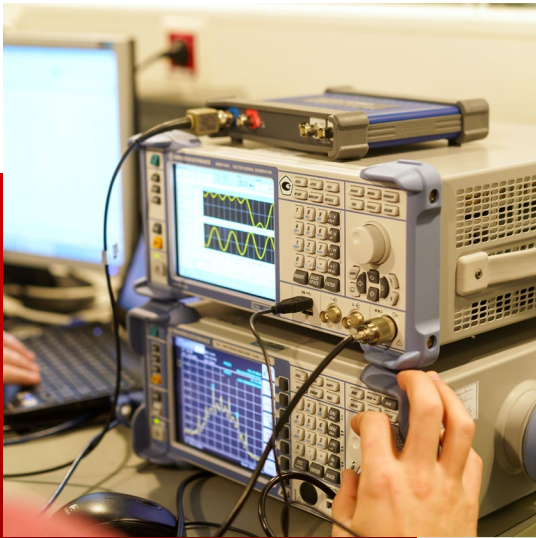


TESTING LABORATORY

Our laboratory is fully equipped with all the necessary facilities for fire detection testing:

- certified smoke and heat test tunnel,
- acoustic anechoic chamber,
- light camera,
- radio channel,
- mechanical test rigs.





R&D Department

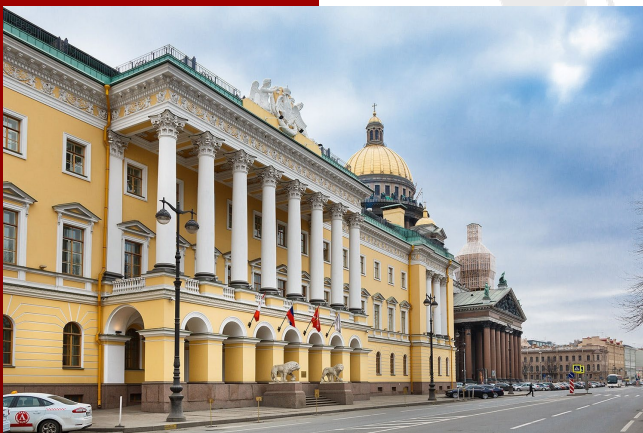
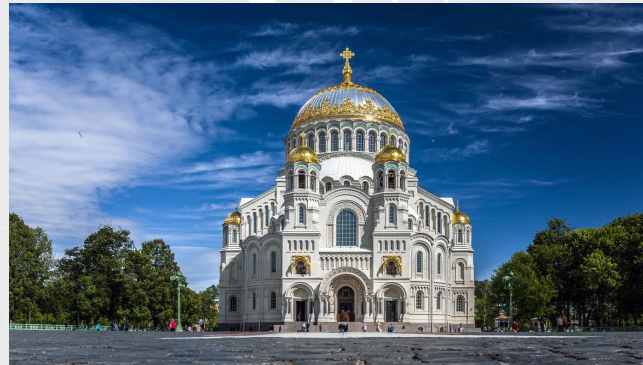
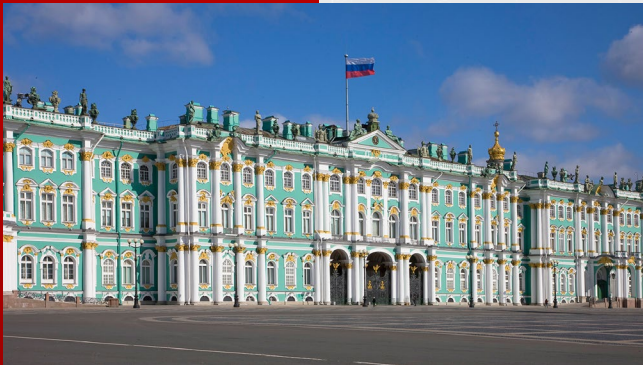
A continuous program of research and development is led by a team of 50 highly qualified engineers delivering a comprehensive range of products to our clients annually.

AWARDS

Argus Spectrum has been recognized and presented with 2 prestigious awards from the Government of the Russian Federation in the field of science and technology.

We have also received many accolades for innovation and leading-edge technology products from the fire and security industry.





CASE STUDIES

- Hermitage, St. Petersburg
- Tretyakov Art Gallery, Moscow
- "Vostok" station in Antarctica
- Moscow Clinical Center for Infectious Diseases "Voronovskoye", Moscow
- Flight control center of Vnukovo airport
- Cathedral of Christ the Savior, Moscow
- Gostiny Dvor, St. Petersburg
- Four Seasons Hotel, St. Petersburg
- Airport, Rostov-on-Don
- Uralmashzavod, Yekaterinburg
- Naval Cathedral, Kronstadt
- Shopping center "Riverdale", Moscow
- Mikhailovsky Theatre, St. Petersburg

CASE STUDIES

Moscow Clinical Center for Infectious Diseases
"Voronovskoye"



15,000 Streletz-PRO
wireless devices



900 patient beds



Installation time –
1 month



81,3 thousand
sq.m



ARGUS SPECTRUM



CASE STUDIES

150 educational institutions in Moscow



More than 40,000 Streletz-PRO wireless devices



Installation time of all the 150 projects – 6 months



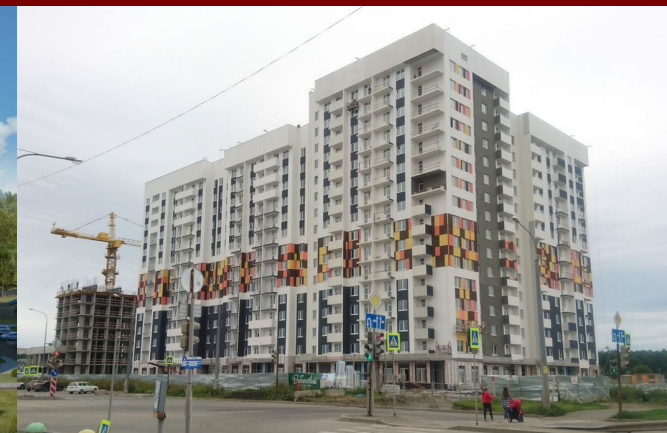
40 installers





RESIDENTIAL BUILDINGS

- Residential complex "Lyuberetskiy", Moscow
- Residential complex "URBN", Volgograd
- Residential complex "Muromsky", Perm
- Residential complex "Academic", Yekaterinburg
- Residential complex "Ryabinovy", Yekaterinburg



More than 20,000 Streletz-PRO wireless devices



The average installation time for 1 project - 4 months



From 9 to 25 floors



ARGUS SPECTRUM



HEALTH CARE FACILITIES

- Peter the Great Hospital, St. Petersburg
- Clinical Hospital named after S.S. Yudin, Moscow
- Scientific and Practical Psychoneurological Center named after Z.P. Soloviev, Moscow
- Tuberculosis Clinical Hospital No. 3 named after G. A. Zakharyin, Moscow





SHOPPING CENTERS

- Big Gostiny Dvor, St. Petersburg
- Shopping center "Sennaya", St. Petersburg
- Shopping center "Riverdale", Moscow
- Shopping center "Svetlanovsky", St. Petersburg





INDUSTRIAL PROJECTS

- Uralmashzavod, Yekaterinburg
- Norilsknickelremont, Norilsk
- Biaxplen, SIBUR, Kursk
- Stone Age, Basfiber, Moscow region
- Krasnokamsky RMZ, Perm region



PRODUCTS

The key product of the company is a **WIRELESS** fire and security system Streletz-PRO.



Fire detection



Notification



Fire suppression

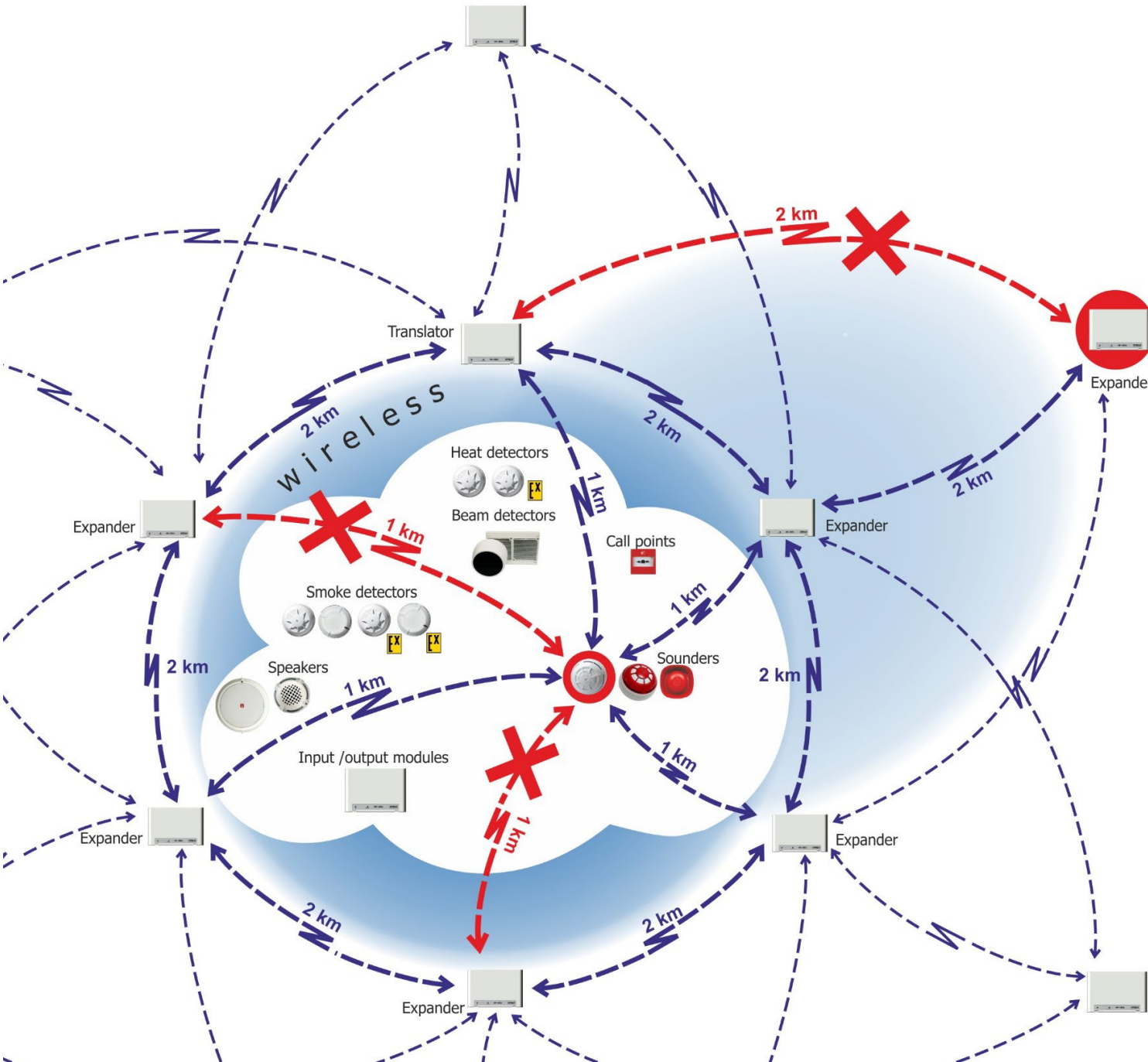


Smoke ventilation



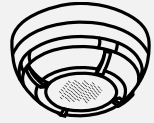
Security alarm

STRELETZ-PRO: MAIN FEATURES



Self-healing MESH technology

- 127 communication routes
- High level of reliability
- All devices automatically choose a parent expander depending on the quality of connection
- A simple design and commissioning process



2,000
wireless devices
per system



10-year
battery
life



3 sec
alarm activation
delay



1200 m
communication
range

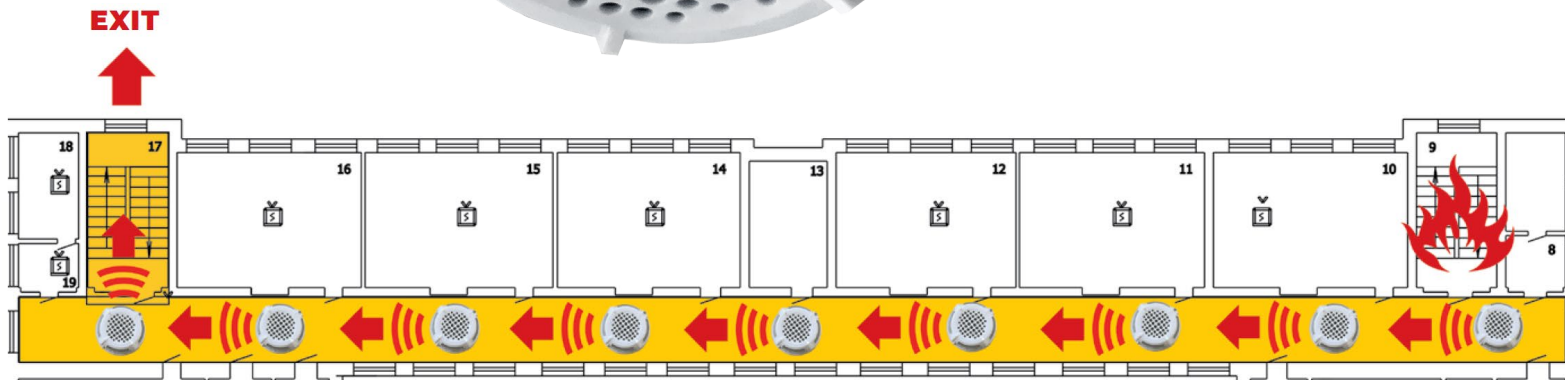
STRELETZ-PRO: MAIN FEATURES

Advanced technical specifications

The advanced wireless technology is economical and installed approximately **5 times faster** than a traditional wired system.

Streletz-PRO is a comprehensive building protection comprising wireless: fire detection, notification, evacuation, automatic signaling to fire brigades, full system monitoring.

STRELETZ-PRO: MAIN FEATURES

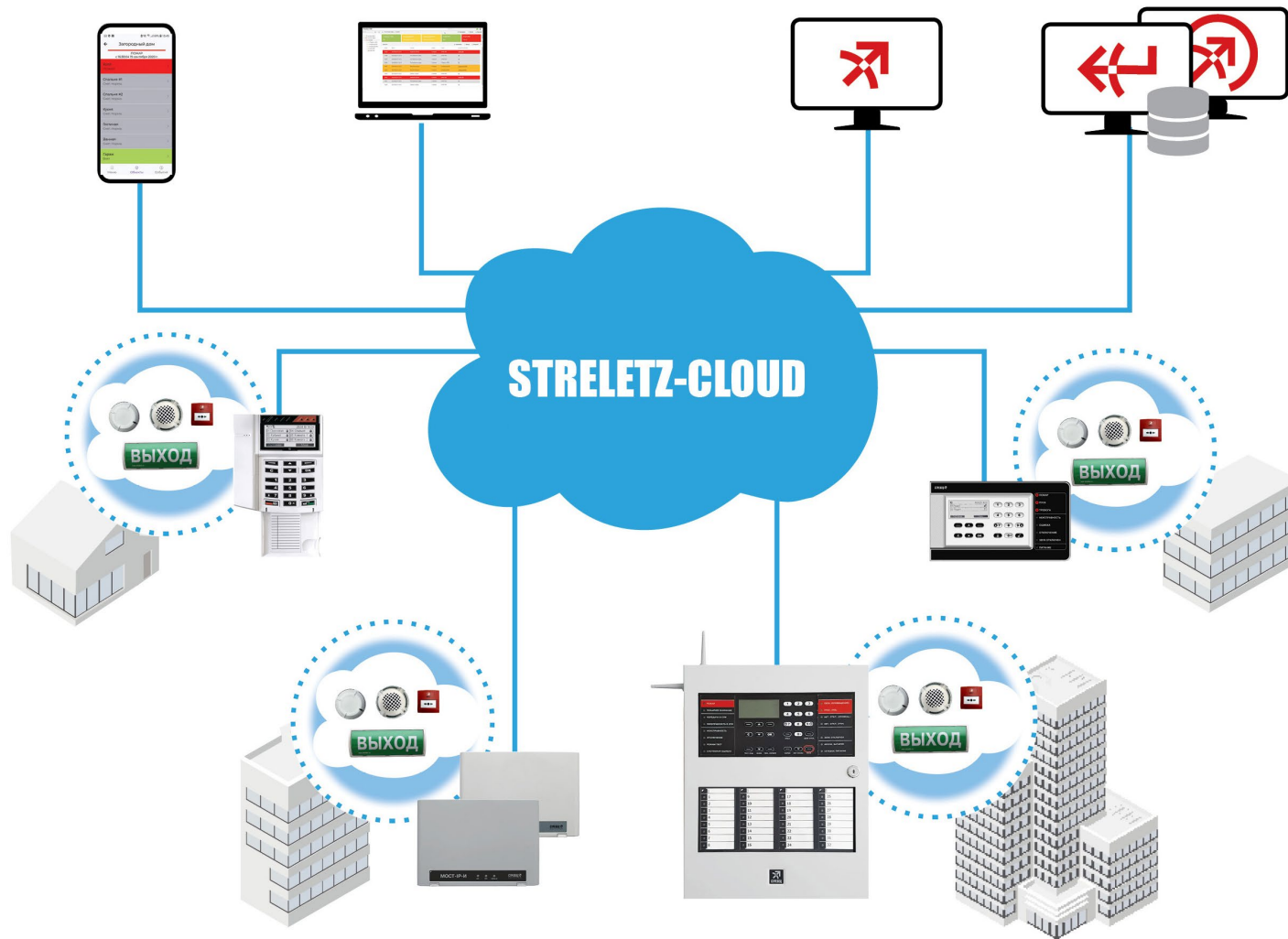


Wireless directional evacuation:

- Smoke detection in the protected area
- Voice alarm about fire
- White noise and strobe lights indicate safe exit route
- Control of evacuation

**Wireless directional evacuation via sound and strobe lights
(similar to aircraft emergency floor path illumination)**

STRELETZ-PRO: MAIN FEATURES



Streletz-Cloud:

Remote control and monitoring of the state of each device.

- Configuration
- Connection strength
- Battery power
- Temperature
- Fault summary
- Network rating

**Cloud technologies for remote control and monitoring
via a mobile phone, a computer or a web-browser**



APPROVALS

Wireless fire system Streletz-PRO fully complies with The Eurasian Economic Union regulations - TR EAEU 043/2017

TRAINING AND SUPPORT

To increase client confidence and reduce the need for return site visits, full training and support is available from the team of experts at ARGUS-SPECTRUM throughout all stages of the project, ensuring optimal results and the successful delivery of the Streletz-PRO system.

ARGUS-SPECTRUM is very pleased to present its new and unique service for the fire detection world! Web Camera + IP connected kit of actual devices - a leading edge virtual classroom for the programming of “Streletz-PRO” wireless fire detection system! The online practical training is the perfect way to learn Streletz-PRO. You can study from home or from any place in the world at any time!





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