

EMERGENCY MONITORING AND MASS NOTIFICATION SYSTEM

«...THE DEDICATED RADIO NETWORK
IS READY TO AUTOMATICALLY
RECEIVE EMERGENCY SIGNALS FROM
SCHOOLS AND HOSPITALS IN EVERY
RUSSIAN CITY...»

THE SYSTEM IS DEPLOYED IN
900 (81%) cities
70 000 (58%) buildings

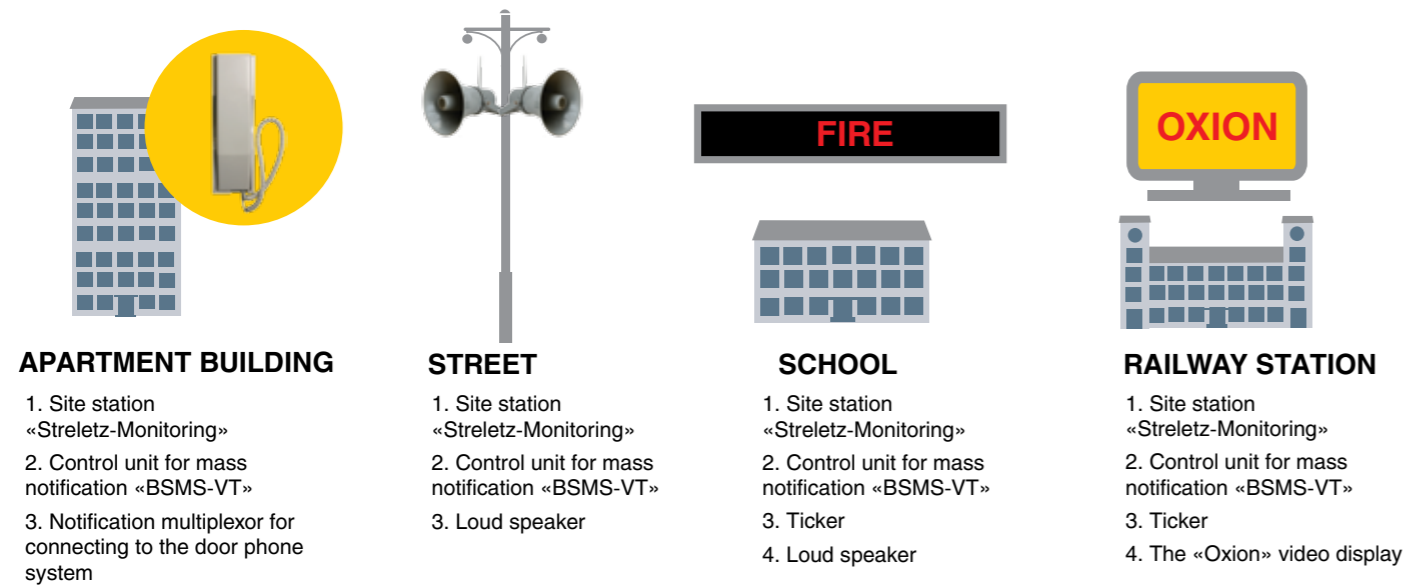
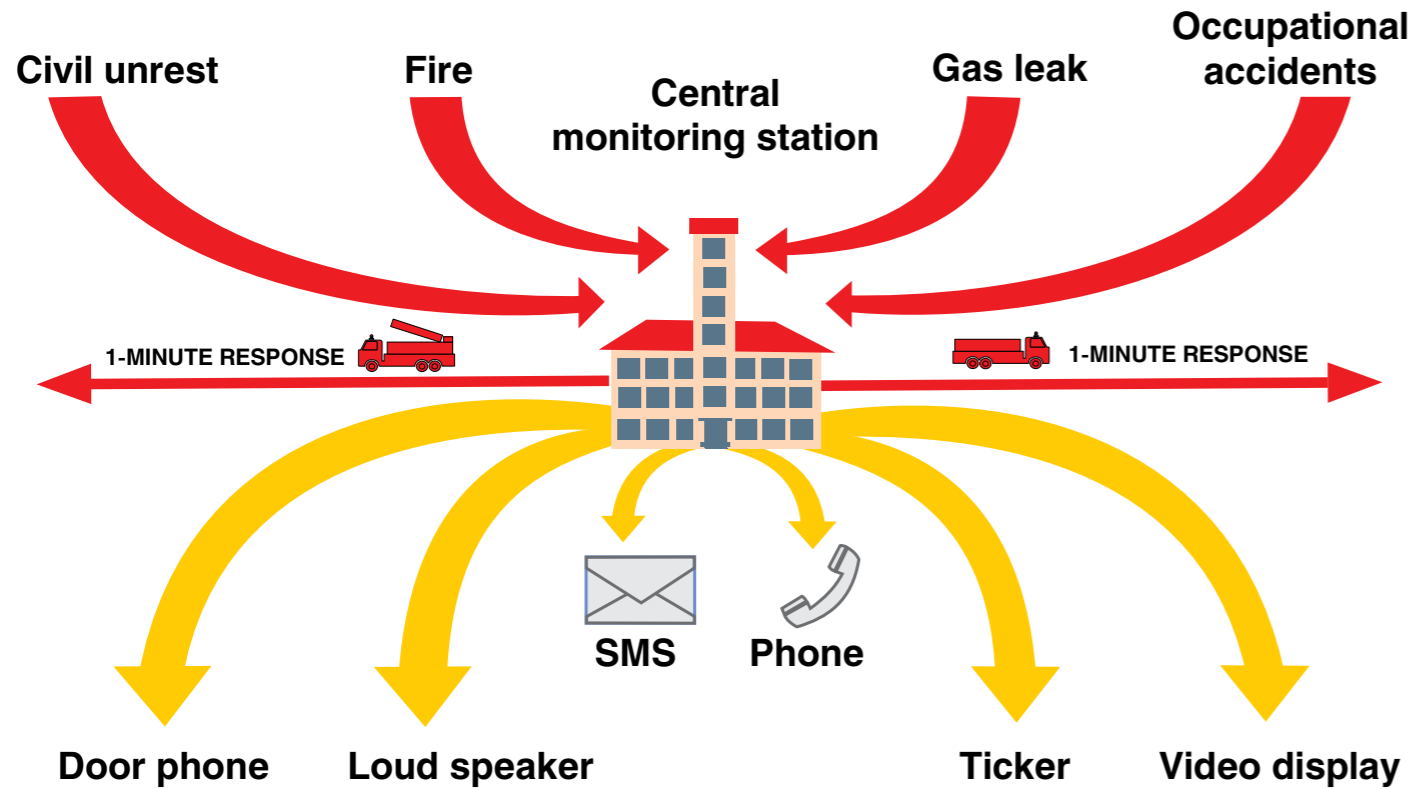
Watch video:



ARGUS SPECTRUM

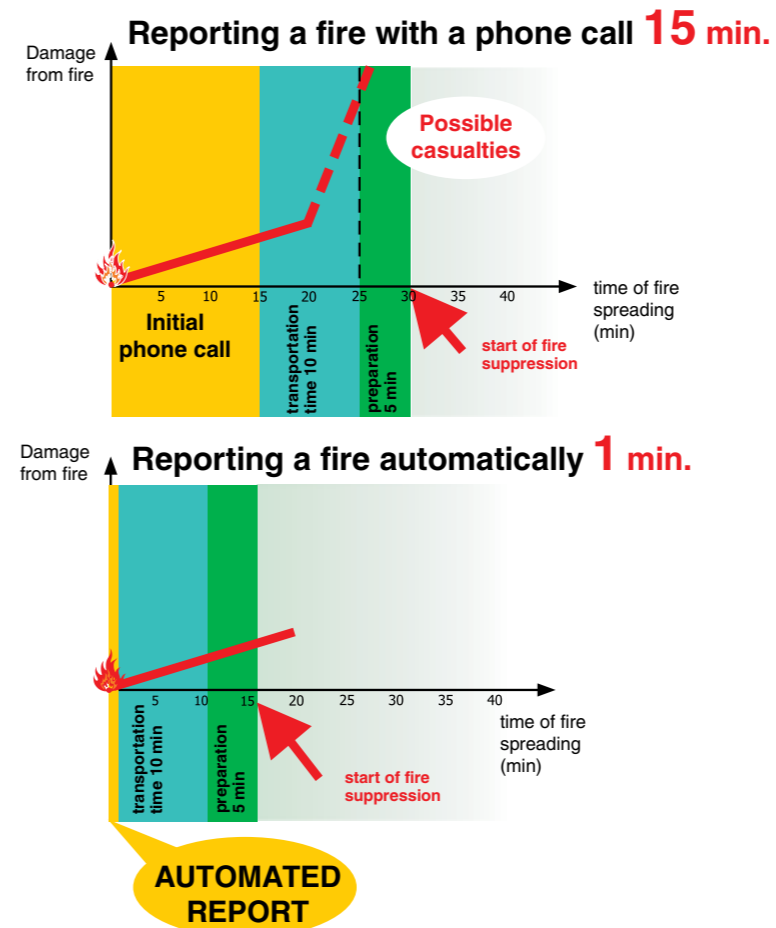
STRELETZ-MONITORING is

MULTIPLEX SYSTEM FOR EMERGENCY MONITORING,
RESCUING AND MASS NOTIFICATION

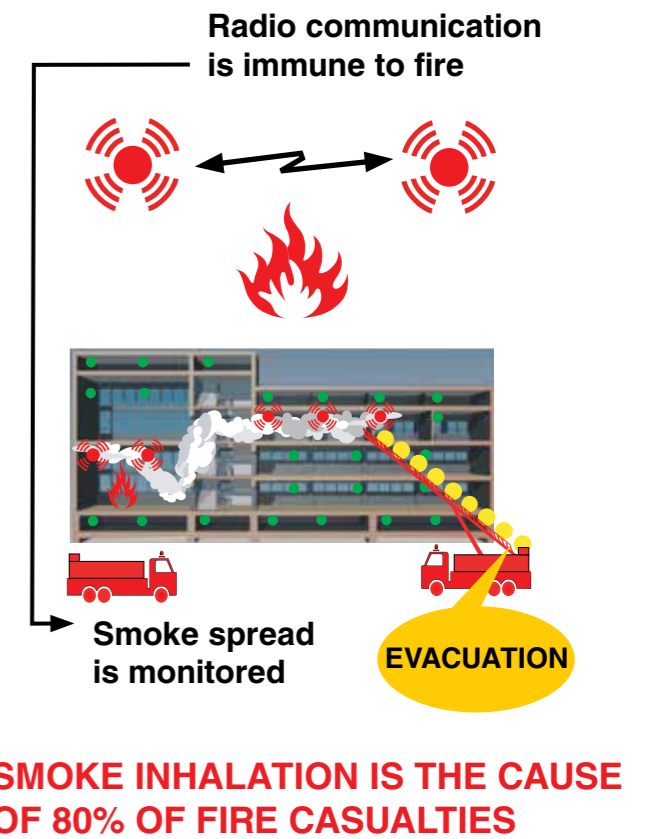


RADIO COMMUNICATION WORKS
EVEN DURING TERROR ATTACKS, MASS PANIC
OR PARTIAL DESTRUCTION OF THE CITY

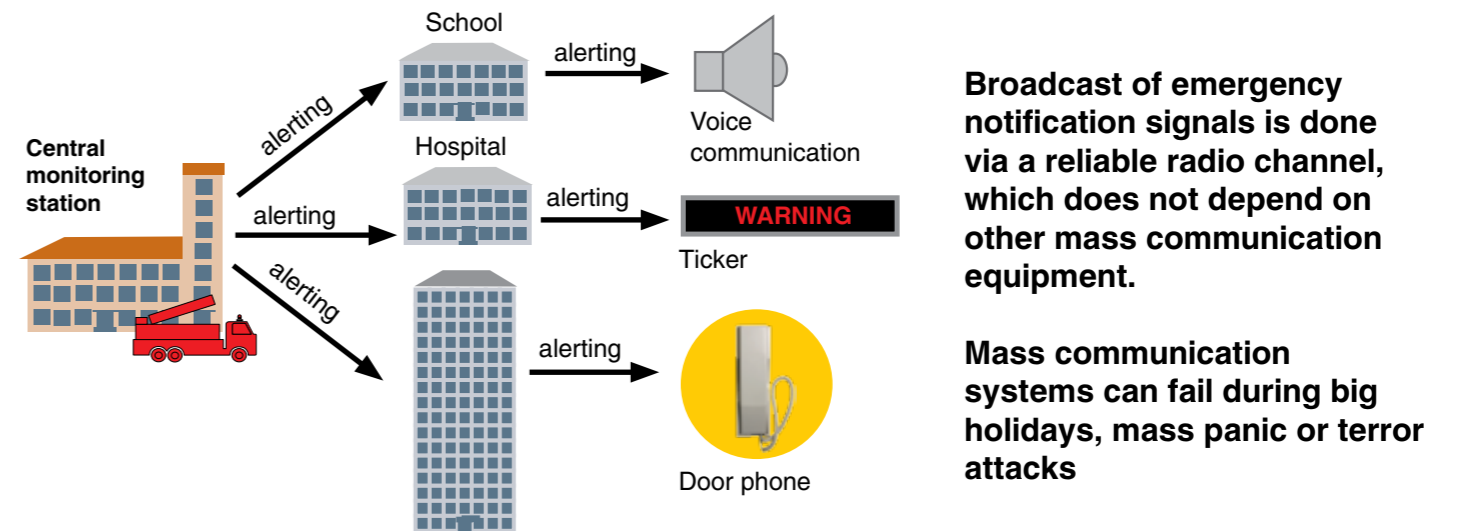
1. MONITORING



2. RESCUING



3. MASS NOTIFICATION



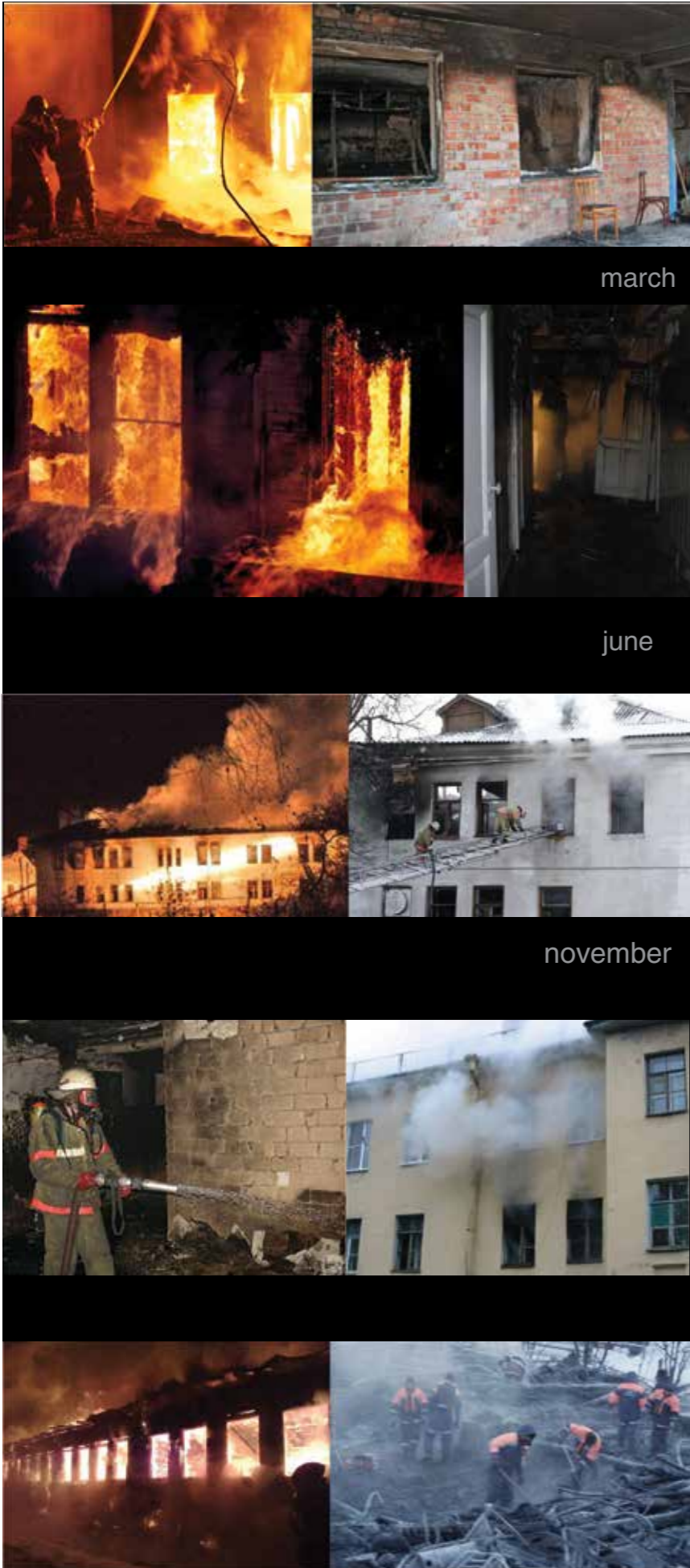
THE RESULTS FROM IMPLEMENTING THE SYSTEM:

A significant decrease in the number of fire victims: firefighters can respond in one minute after the fire outbreak

People can be notified using the emergency radio channel:
- buildings (loud speakers)
- hospital patients (bracelets)
- apartments (door phone)

Firefighter's safety: the system can locate and notify a rescuer who is in a life-threatening situation.

FIRES IN RETIREMENT HOMES



CASUALTIES

Krasnodar region

63 people

Omsk

10 people

Tula

32 people

Belgorod region

6 people

Komi Republic

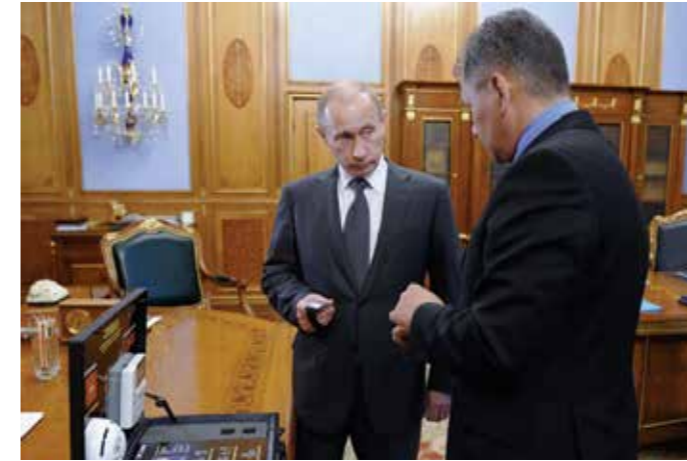
23 people

2007

2008

2009

THE HISTORY OF EMERGENCY MONITORING



The head of the ministry of emergency situations Sergey Shoygu showcased the wireless fire alarm system to the prime minister of Russia Vladimir Putin and asked to support its mass development. «We'll do that. **Considering the tragic incidents in our country over the past few months and years, this innovation will be in demand**»– Putin replied.



Sergey Shoygu: «We plan to install this alarm system in all medical and educational institutions all over the country. The system will allow us to reduce the respond time of a fire crew by 8 times, as well as decrease the number of false alarms by 1000 time».

THE CONCLUSION:
The large number of fire victims is caused by **DELAYED CALL TO THE EMERGENCY SERVICE**



THE SOLUTION IS TO:
REPORT FIRES AUTOMATICALLY
without the need of a phone call

THE HISTORY OF EMERGENCY MONITORING IN RUSSIA



Ruling by the president of the Russian Federation 13/11/2009 №Pr-3021

During a government meeting dedicated to the results of a mass inspection of public buildings, president Medvedev stated: «...**Technological innovations need to be implemented; both regional and federal regulations have to be corrected; specific problems mentioned by the ministers and the general prosecutor must be resolved as soon as possible; administrative and criminal trials need to come to a resolution. I will keep these issues under my control**».

AN EXTREMELY COMPLICATED TECHNICAL TASK WAS ACCOMPLISHED

A new cost effective system was developed that can be used to automatically report a fire via a radio signal in cities with a high building density

RESCUE

THE RESULTS OF IMPLEMENTING «Streletz-Monitoring»

From 2009 to 2012
a decrease in the number of fires by **7 times** (from 650 to 87) | **casualties** by **14 times** (from 44 to 3)



The head of the supervision department of MCHS Deshevih Yuriy October 16, 2013

«...public buildings need to be equipped with fire alarm systems that can automatically transmit signals to the fire department. That is because the tragic experience of these fires demonstrates that people can get confused or disoriented at the beginning, and don't always report the fire in time».

2009

2010

2011

2012

2013

The research institution of fire safety won an open contest for developing a prototype of an automatic system intended for monitoring, processing, and sending data about the physical properties of a fire, as well as risks and dangers of massive fires occurring in complicated buildings and premises with high number of occupants.

The prototype of the emergency monitoring system underwent complex government testing. During the experimentation, a set of essential technical requirements was established that must be applied to similar systems under a code name «Streletz-Monitoring».

The head of ministry of emergency situations approved order №743, which states that the hardware and software complex «Streletz-Monitoring» is accepted to be equipped by the Russian ministry of emergency situations.

A number of open contests were held to decide which companies are going to supply the equipment to the departments of the federal firefighting service

The government made corrections to the federal law №123 «Technical regulations for fire safety requirements», which include changes to the section №83, part 7 «Equipping the emergency monitoring system in all schools, hospitals, retirement homes and other public buildings». The president made a two-year postponement for the changes to take effect.

FEEDBACK ON THE MONITORING SYSTEM



Sergey Shoygu
Minister of Emergency Situations
from 1994 to 2012:

«No need to call the emergency number. If a fire starts somewhere, we will receive that signal in just a few minutes. This allows us to save a lot of time. Floor plans are loaded into the equipment in advance. While the fire brigade is on its way, they already know which floor and room is on fire».



Krasnoyarsk krai
Victor Shevchenko,
deputy mayor of
Krasnoyarsk:

«The existing methods cannot offer the adequate level of safety that needs to be provided in the modern world. We need to switch over to more modern solutions like «Streletz-Monitoring». Our goal is to evaluate the expenses and create a schedule of installation works in all municipal institutions and enterprises before January 1, 2014».



Perm Krai
Oleg Popov,
the head of MCHS
headquarters
in Perm Krai:

«The main requirement: the signal has to be transmitted to the fire department automatically, without human intervention. There was one case on a paint factory, when the security guard checked the territory several times and decided that everything is normal. In result, they only found out about the fire after it's been spreading for 30 minutes».



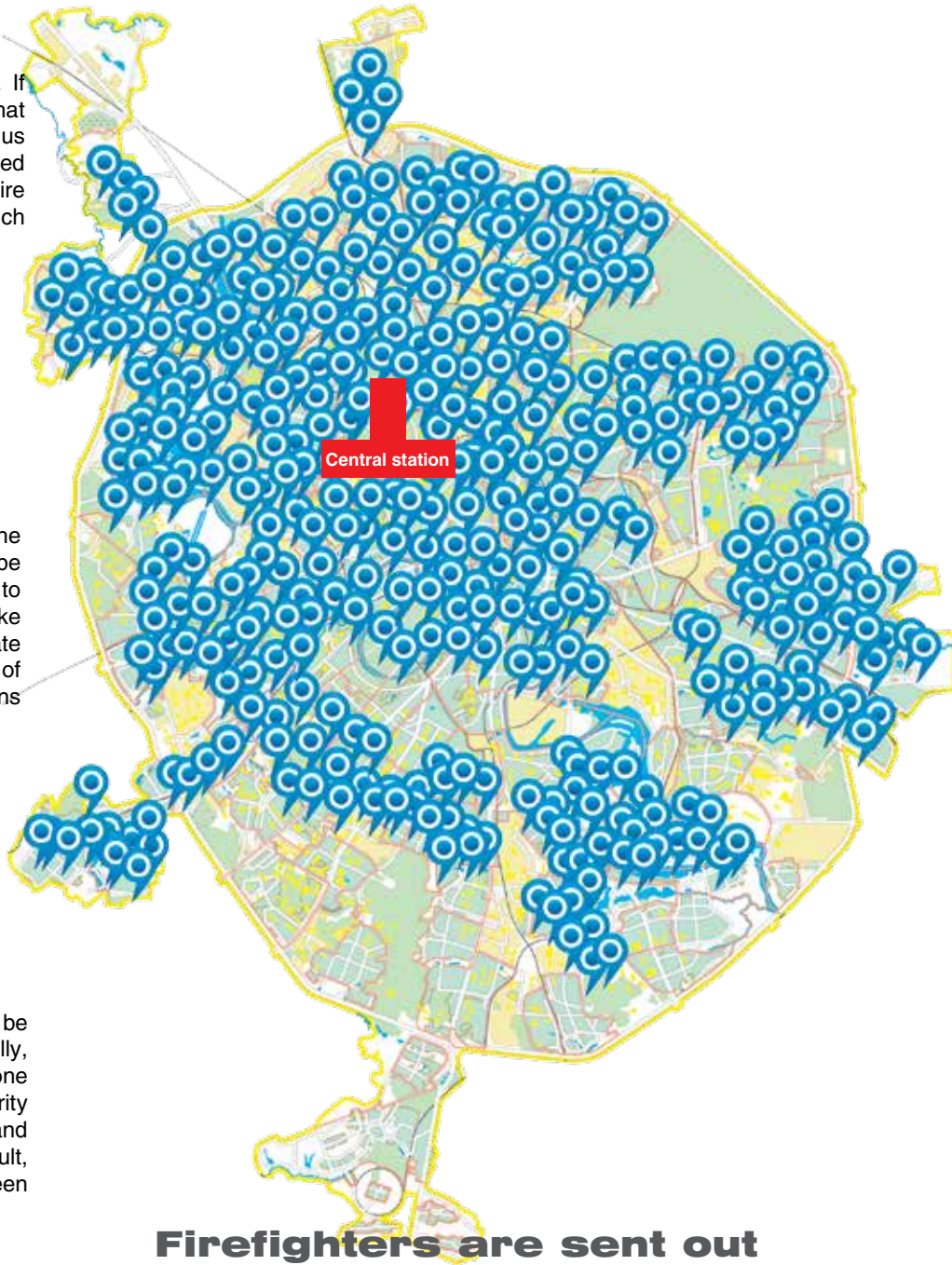
Vladimir city
Sergey Sakharov,
the mayor of the city:

«The system proved to be great. It works in all middle schools. It works in all preschools as well».

MOSCOW:

7 000 (98%)

schools and hospitals are equipped with the emergency monitoring system



Firefighters are sent out to a school or a hospital IN ONE MINUTE



Central emergency dispatch office of Moscow



ARGUSSPECTRUM