



# Group of companies “TYPHOON SVYAZ”

## Integrated Security Systems



# **Group of companies “TYPHOON SVYAZ”.**

## **Products and partners in the field of public safety systems development.**

**The enterprises of “TYPHOON SVYAZ” group of companies are specialized in development of innovative products in the field of construction of integrated security systems with different configurations on the territory of the Russian Federation.**

**Our partners are widely known in RF: developers of the software of the format “Safety town of the Russian Federation” (ITV company, Moscow; VOKKORD company, Moscow, etc.), Russian plant-manufacturers of safety systems equipment and components.**

**Our consumers – branch offices of FSUE “RTRS” (Federal State Unitary Enterprise “Russian television and broadcasting network”); territorial subdivisions of: Ministry of Home Affairs of the Russian Federation, Ministry for Civil Defense, Emergency and Disaster Response of the Russian Federation, Ministry of Justice; institutions of Ministry of Education and Ministry of Health; private enterprises and organizations.**





**The first integrated security system on the basis of Hardware-Software Complex «Intellect» (ITV company, Moscow) in Kaluga Region was created by our company at general education school No 21 in 2005.**

**At the meeting in Kaluga, which was devoted to the opening of the security system, the following official persons were present: Mr Yu.V. Volkov - the Deputy Chairman of the State Duma, the “United Russia” party man, Members of the Federation Council of the Russian Federation, the Governor of Kaluga Region.**

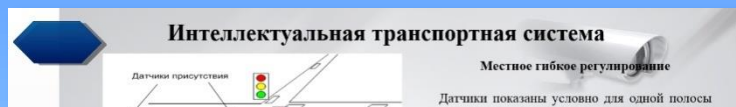


**The main reason of our initiative to create the integrated security system at general education school No 21 in 2005 was the terrorist act at school No 1 in Beslan (North Ossetia, RF) on the 1-st of September 2004. During the period of time from the 1-st of September, 2004 till the 3-rd of September, 2004 as a result of terrorist acts 314 people died, including 186 children.**

**"ЕДИНАЯ РОССИЯ"  
СКБ "ТАЙФУН-СВЯЗЬ"  
ПРЕДСТАВЛЯЮТ**

# The main subsystems of «INTELLECT» Hardware-Software Complex

The developer considers «Intellect» HSC (ITV company, Moscow) as a basis or “foundation” for generation of a security system, which not only complies with the requirements of the law of the Russian Federation, but also provides mutual integration of the equipment and software of different manufacturers.



## Подсистема видеонаблюдения жилого фонда и социально значимых объектов

Основные задачи:

- Круглосуточная визуальная оценка обстановки в жилом секторе путем телевизионного наблюдения за жилыми территориями и

## Подсистема интеллектуальной обработки информации

Что такое информация, которую не нужно знать, чтобы эффективно работать?

## Система голосовой экстренной связи

## Подсистема тревожной сигнализации

Подсистема тревожной сигнализации (тревожные кнопки, радио)

## Система контроля работоспособности

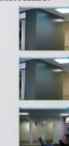
Задачи системы:

- Обеспечение контроля работоспособности всех систем «Безопасного города»
- Предоставление организациям, осуществляющим техническое обслуживание систем, оперативной информации о возникших неисправностях
- Обеспечение возможности инвентаризации средств вычислительной техники
- Создание основы для расчетов с организациями, осуществляющими техническое обслуживание систем, по факту работоспособности систем

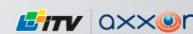


Использование сервисных детекторов позволит оценить не только работоспособность телекамер но и качество видеоизображения. Реализованы следующие детекторы:

- Детектор засветки
- Детектор затемнения
- Детектор стабильности
- Детектор подмененной картинки
- Детектор срыва синхронизации
- Детектор загрязнения и расфокусировки



ИНТЕЛЛЕКТ. ТЕХНОЛОГИИ. ВИДЕО.





# **The first Closed-Circuit Television System (CCTV) having potential of network integration of security systems of judicial institutions of RF in Kaluga Region was created by us in 2006.**

**When generating CCTV in the building of Kaluga District Court of Kaluga Region we used the software “Intellect” as a platform for integration with other systems. Then, the previously installed access control and alarm systems , were integrated into one complex.**





**Using “Intellect” Hardware-Software Complex as a basis, in 2007 we created an integrated security system (Closed-Circuit Television System, Access Control System) in the branch office of FSUE “RTRS” – “Kaluzhsky ORTPTs” (Television and Broadcasting Center of Kaluga Region) in Kaluga.**





# **The special place in our work regarding creation of the security systems belongs to our cooperation with the personnel of the Department of Ministry of Home Affairs in Kaluga Region.**

**Many years of cooperation with technical specialists of the Department of Ministry of Home Affairs of Kaluga Region with regard to development of security systems with different configurations at the objects of the Department allowed to create a complex, integrated into the departmental communication system on the basis of broadband access networks and fiber-optical communication lines.**





# In 2008 we developed the project “Safe Kozelsk town” on the basis of “Intellect” Hardware-Software Complex.

The project was developed taking into account its possible future integration with the hardware-software security complex of Kaluga Region. All technical solutions conform to the requirements of GOST Standard, Ruling documents and recommendations of Ministry of Home Affairs of the Russian Federation.



**Безопасный город**

**Основные подсистемы программы**

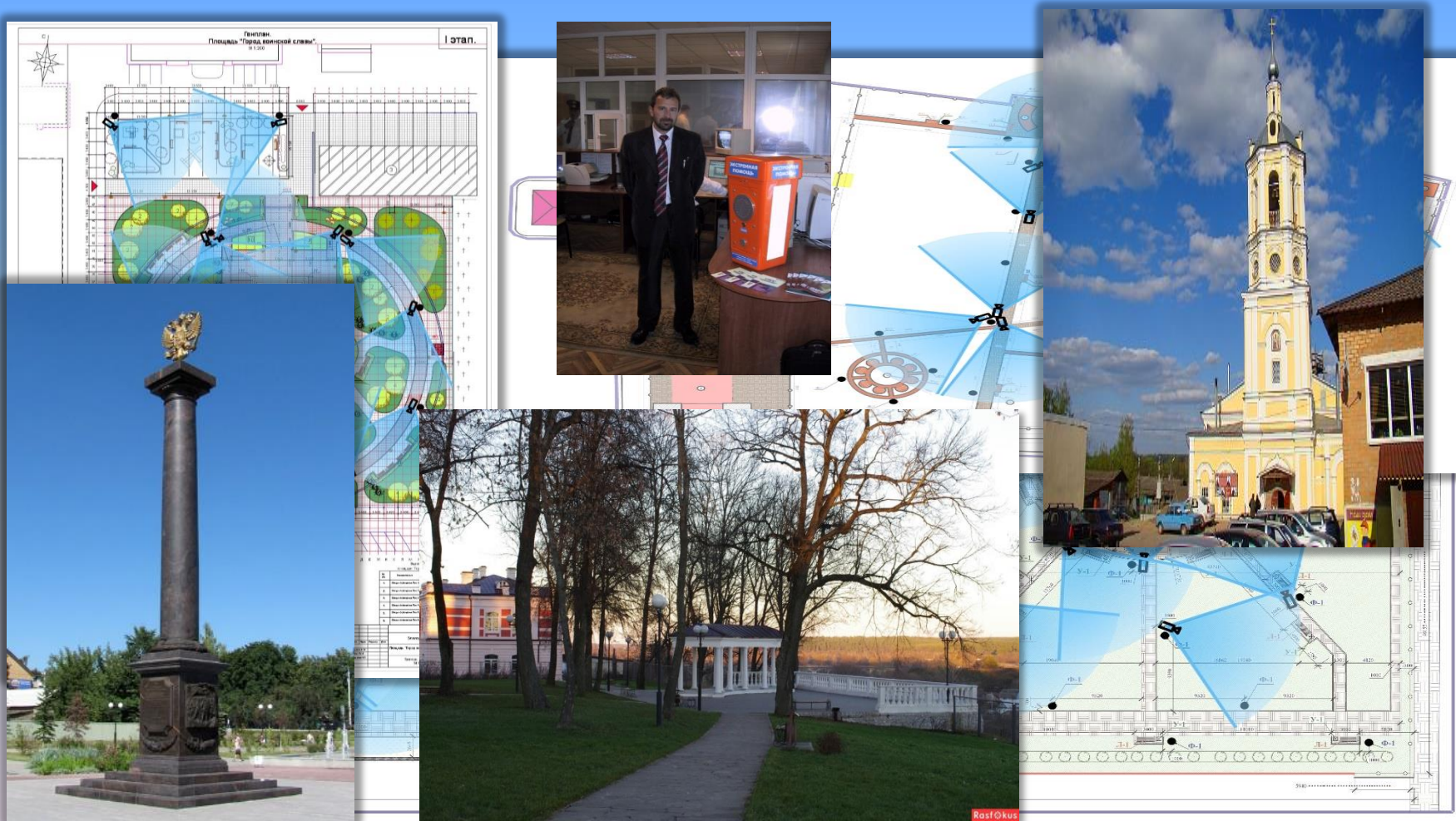
- Интеллектуальная транспортная система
- Подсистема видеонаблюдения жилого фонда и социально значимых объектов
- Подсистема тревожной сигнализации
- Подсистема видеонаблюдения за местами массового скопления людей
- Подсистема интеллектуальной обработки информации
- Подсистема голосовой экстренной связи
- Подсистема контроля работоспособности

[www.itv.ru](http://www.itv.ru)

ITV axxon  
ИНТЕЛЛЕКТ. ТЕХНОЛОГИИ. ВИДЕО. Video Surveillance and Security Solutions

## Features of the Project “Safe Kozelsk Town”.

Our project saw way to create video surveillance areas in Kozelsk town, which are to be controlled by operators of the alert force of the Department of Home affairs. In order to transmit video and audio data, as well as control commands, it is planned to develop a radio network, analogous to those of the Department of Ministry of Home Affairs in Kaluga by means of innovative broadband access equipment.





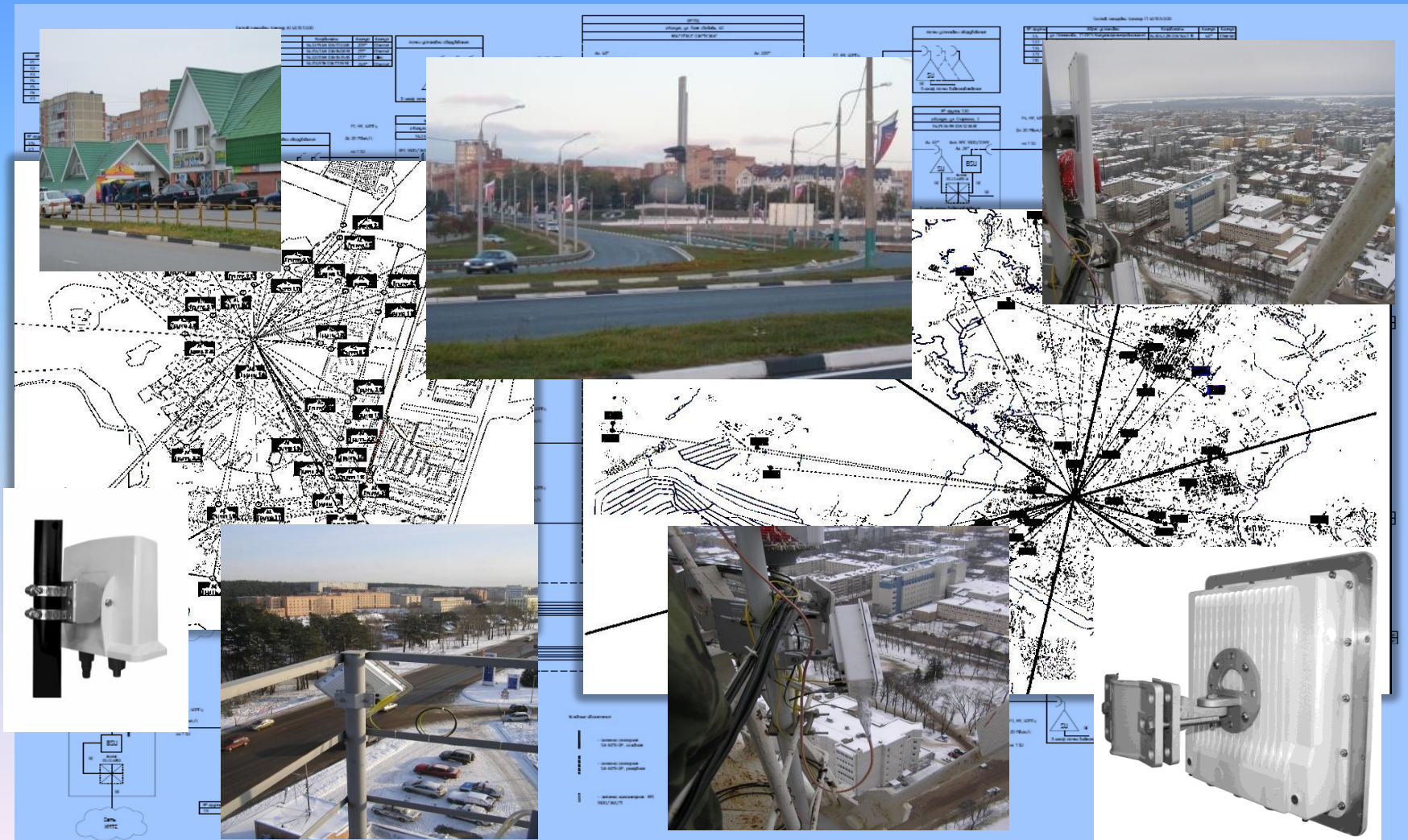
# Projects “Public security system for Kaluga town” and “Public security system for Obninsk town” were created in 2009 with our participation.

By our design solutions we foresaw development of communication networks on the basis of broadband access equipment, conforming to standard IEEE.802.11n, and produced by the Russian company DATATEL (Moscow). This equipment provided the necessary transmission speed and content of communicated information.





**Realization of our proposals concerning use of the existing infrastructure in projects “Public security system for Kaluga town” and “Public security system for Obninsk town” will provide rather low expenses for development of communication links and their future operation.**





**Use of high-speed communication networks allowed us to create a distributed security system at the objects of “Kaluzhsky ORTPTs” television and broadcasting center. Perhaps, in perspective, this will be a prototype of a structure “Safe Region” in Kaluga Region.**

**Closed-Circuit Television Systems of several objects of “Kaluzhsky ORTPTs”, situated in different parts of the region were integrated into one complex on the basis of “Intellect” Hardware-Software Complex. At present the leaders of the television and broadcasting center “ORTPTs” can supervise situation at the objects and all technological processes of equipment operation in manual mode (“space bridge”) or automatic mode.**





# Group of companies “TYPHOON SVYAZ”

**Grabtsevsky Proezd, 16  
Kaluga 248009, Russian Federation  
tel./fax +7 (4842) 55-29-13,  
E-mail:skb\_ts@kaluga.ru**

**Thank you for your attention!**