

next!

# KRONOS

Informatics platform for managing the monitoring station

## Usage

The program combines in a single environment:

- Monitoring systems integration platform,
- Service department management,
- customers billings control with the agreements management.

## Architecture

- Fully web architecture,
- Independent modules,
- Safe, three-layer model,
- Support for scattering applications even for a large geographical area.

## Performance

- Automatic scaling of number of threads processing depending on the amount of signal sources,
- Sending only the changes of the informations,
- Compressed transmission,
- The division of data into smaller blocks,
- The system of agent preparing bigger summaries in parallel with the other processes,
- Own, author's, unusually fast communication protocol,
- Extremely fast algorithm for signal analysis.

- Simplified, remotely administered consoles for fire brigade, police, subcontractors,
- Communication with external systems.

## Safety

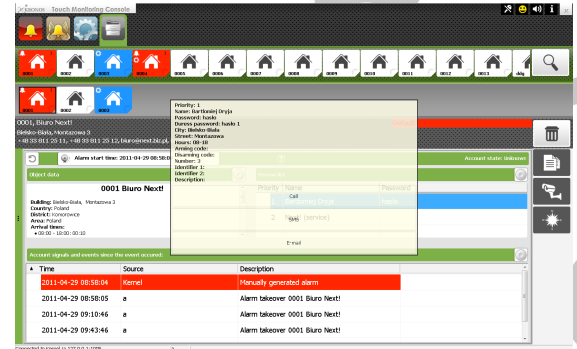
- Encryption of transmission,
- Disk buffers to prevent data loss from volatile memory,
- Automatically runs of backup centers,
- Retrying the operation in case of an error,
- The mechanism of black box recording system events,
- Central management of privileges,
- The multi-secure access over the Internet.

## Communication

- Communication based on TCP/IP through a single port,
- Automatic management of the reserve channels (GPRS),
- Static IP address required only for the central module.

## Monitoring

- Monitoring of buildings, vehicles, people, guards, environment, CCTV, vending machines, hours of work in one environment with full support for the individual characteristics of each type of monitoring,
- Compatible with more than 100 base stations from different manufacturers,
- Consoles on the SmartPhones for intervention group,
- Tracking position of the intervention group on the map,
- Control of vehicle reside in designated areas,
- Separate alarm handling and services,
- Advanced time-dependent functions control mechanisms (tests, opening/closing, status changes, rounds, notification of security personell, reminders about recurring activities),
- Automatic sending of e-mails and text messages,
- Integration with the PBX and calls recording,
- Advanced reporting system,
- Three types of operator consoles (standard, touchscreen and video),
- Statistics of the work of operators.



## Service

- Support for the process of servicing, maintenance, modernization, installation and dismantling alarm systems,
- Consoles on the SmartPhone for service workers,
- Remote insight into serviced objects,
- Maintenance calendar,
- Technicians work summaries.

## Settlements

- Automatic invoicing based on the provided services,
- Flexible mechanisms for building price lists and discounts,
- Invoices export to external systems.

## Management

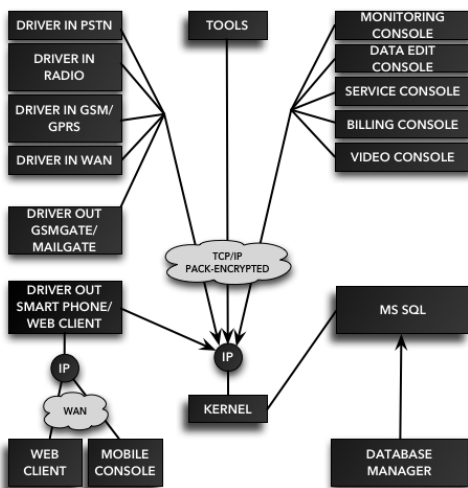
- Remote system status control with a full register of events,
- Informing about errors via text messages,
- Intuitive operation indicator system.

## Further

- Actions - scripts that automate the process of handling,
- Access to data for clients by Internet (browser, application for PC or SmartPhone),
- Automatically sending summaries via e-mail,
- Contracts management,
- APIs to integrate with external systems.

## Requirements

- Operative system: Windows 2000/2003/2008/2012/XP/Vista/7/8,
- Baza danych: MSDE, Ms SQL Express 2005/2008, Ms SQL 2000/2005/2008/2012,
- SmartPhone: Windows Mobile 8 or Android.



## Cooperation

- Exchanging data with subcontractors during alarm,
- Sharing informations with remote consoles only from certain group of objects,