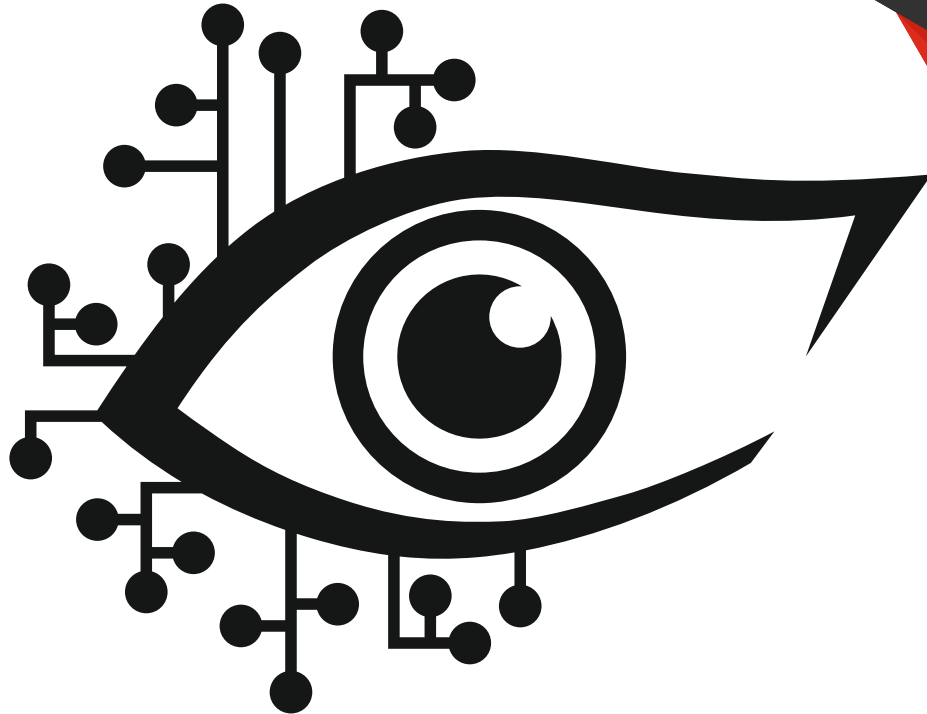


IFTER

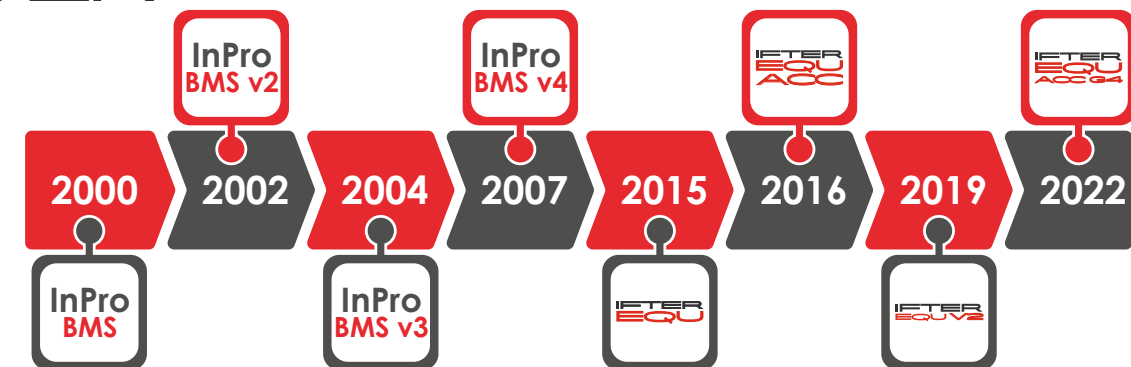


CREATING NEW TECHNOLOGIES

IFTER®

IFTER is a leading Polish company in the market of security system solutions with over 25 years of experience. Since 1999 we have been providing innovative technologies that ensure reliability and stability of operation. We specialise in the integration of access control, video surveillance, building automation management and alarm systems, adapted to the needs of industry, public institutions, commercial and military facilities. Our solutions are characterised by intuitive operation, scalability and full integration with various systems, ensuring a comprehensive approach to security management. We invest in research and development, implementing the latest technologies that enhance user protection and comfort. As a result, IFTER remains at the forefront of the industry, providing advanced and reliable solutions.

IFTER



InPro BMS 1: The first version of the system integrated security systems (ACS, CCTV, I&HAS, FAS), relied on a local database and offered single station visualization.

InPro BMS v2: TCP/IP protocol support was introduced, allowing remote management of the system via the local network and the Internet.

InPro BMS v3: Switching to InterBase SQL improved data management and integration. Full multi-user capability and support for Modbus, OPC and M-Bus protocols were added.

InPro BMS 4: The new version offered a flexible operating environment, expanded visualization and support for up to 30,000 elements. Cluster technology, Oracle database and advanced integration were introduced.

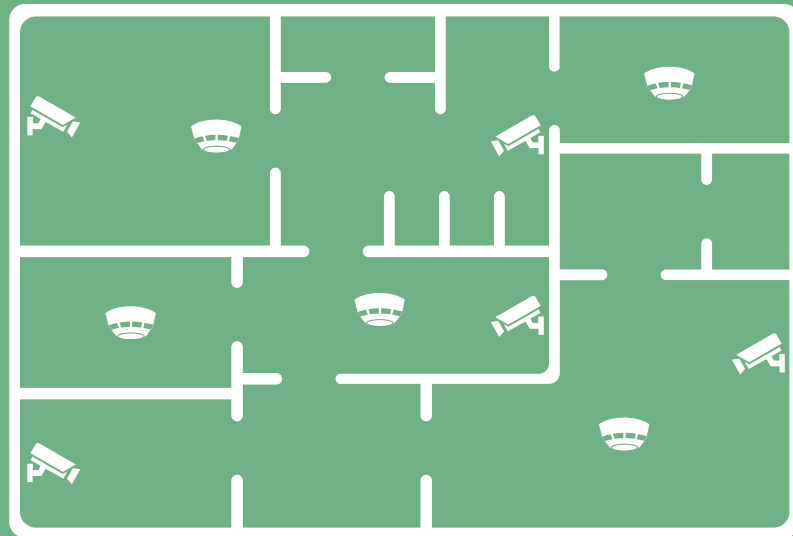
EQU 2015: IFTER EQU has been adapted for Windows 10, extending the integration included in InproBMS v4. The system supports up to 100,000 elements, uses an Oracle database, offers vector visualization and a web interface.

EQU ACC 2016: IFTER introduces the EQU ACC access control system, designed for integration with other security systems. It supports up to 32,000 cards (Class 2) and 64,000 cards (Class 3), logs events and enables remote monitoring.

EQU v2 2019: IFTER EQU v2 is an enhanced version of the system that supports up to 200,000 elements and advanced clustering. New features automate configuration and simplify customization.

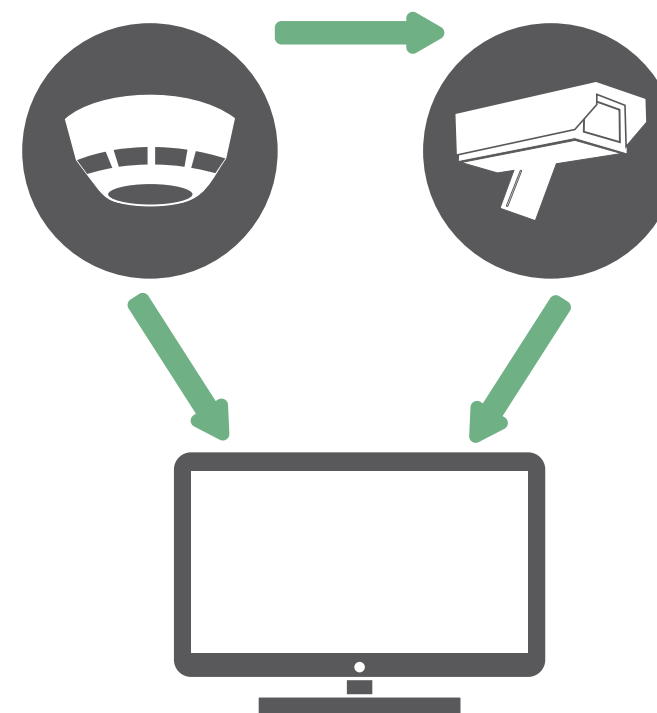
EQU ACC G4, 2022: Class 4 access control system for critical infrastructure and military applications. Supports up to 1,000,000 cards and 500,000 events per controller.

VISUALIZATION



IFTER EQU is a state-of-the-art software for comprehensive management of security systems. It integrates access control, I&HAS, CCTV and building automation in one intuitive interface. With support for TCP/IP protocols and RS232/RS485 interfaces, it ensures smooth communication between devices and reliable data exchange. The system records and analyzes events, generates reports and supports the automation of security processes. It enables immediate response to threats, optimizes asset management and enhances protection. IFTER EQU is a scalable solution that can be adapted to a variety of needs, from single buildings to large, complex structures. Thanks to constant development and implementation of new technologies, it guarantees full control and maximum operational efficiency.

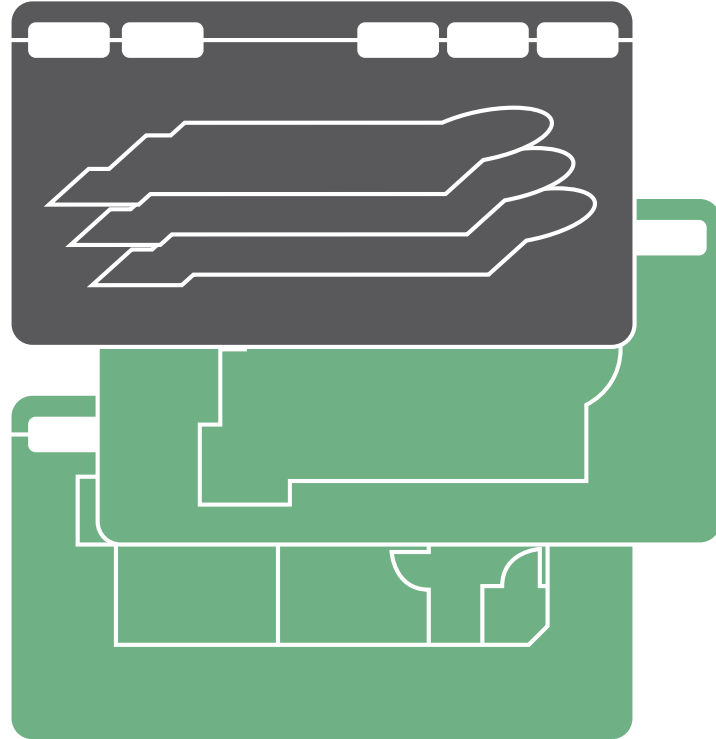
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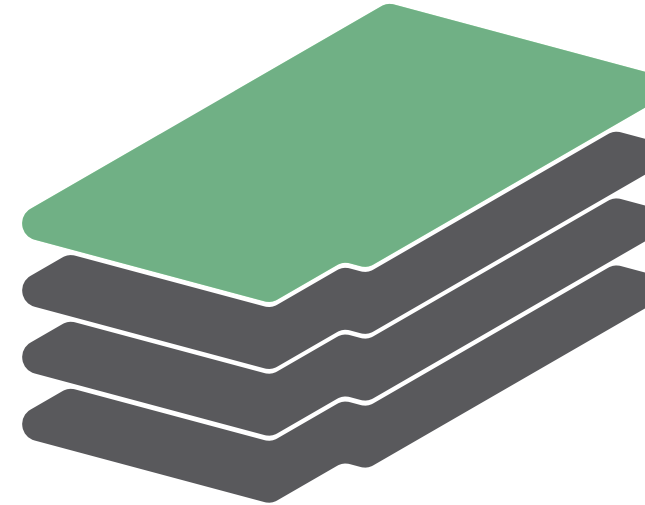
VISUALIZATION

Equipment status

The entire graphical user interface is fully customizable, allowing you to adapt the look and functionality of IFTER EQU to the needs of the designer or the specifics of the facility. Active elements can be placed on the architectural plans to reflect the physical and logical state of the devices. By clicking on an element, the operator obtains information about its name, address, recent alarms and events. If they have the appropriate permissions, they can also control the device. One of the key benefits of our solution is the ability to present the status of devices from different security and automation systems, regardless of their manufacturer, on a single screen. This provides the operator with a consistent and transparent management system.

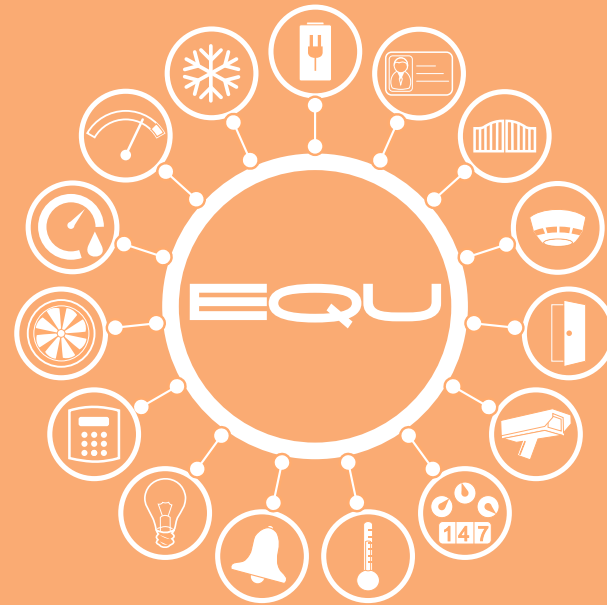


The IFTER EQU system offers three types of visualization to meet different needs. The object visualization is based on raster architecture projections with active device icons whose appearance changes depending on the state. The operator can control the system and view events with a single click. Vector visualization allows for smooth scaling and panning of underlays without loss of quality, making it easier to handle large objects. A thumbnail screen allows users to quickly change views. WEB visualization provides browser-based access to the system, allowing mobile users to monitor and control equipment in real time. All data is updated in real time, providing intuitive operation and full control.



The visualization is organized in a multi-level structure, which allows to view the area of the entire facility and individual floors of the protected buildings. Such a structure allows the transition from a general plan - showing the location of the threat on a map of the facility - to a detailed view of a given floor, taking into account, among other things, the possible escape routes of a potential perpetrator. This allows the operator to effectively instruct the patrol on how to physically secure the protected space. Patrol members can be equipped with mobile devices that display real-time changes in the threat.

INTEGRATION



IFTER EQU supports more than 100 different security system devices. Communication is bidirectional - IFTER EQU retrieves information about system status and events, and controls its operation. A key feature is the ability to create relationships between systems, realized by creating links and automatic interactions, allowing security systems to complement each other. As a result, it can quickly verify the severity of a threat by obtaining data from multiple systems simultaneously. The result is a more complete and effective protection for the user.

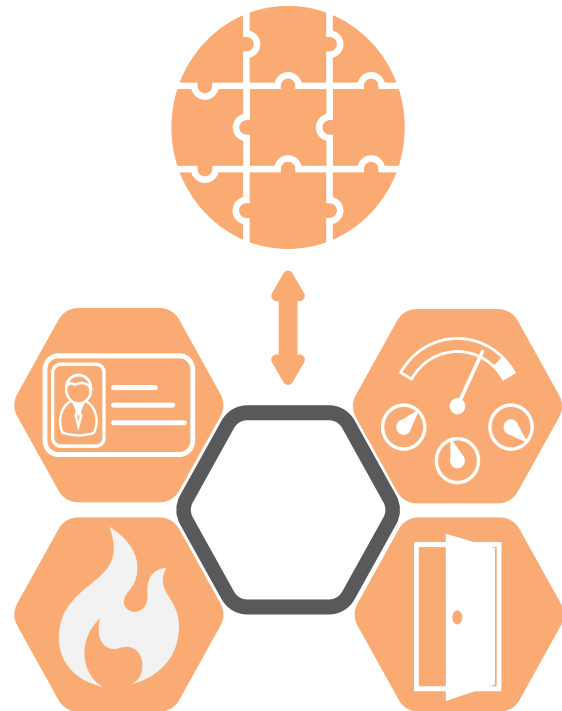
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INTEGRATION

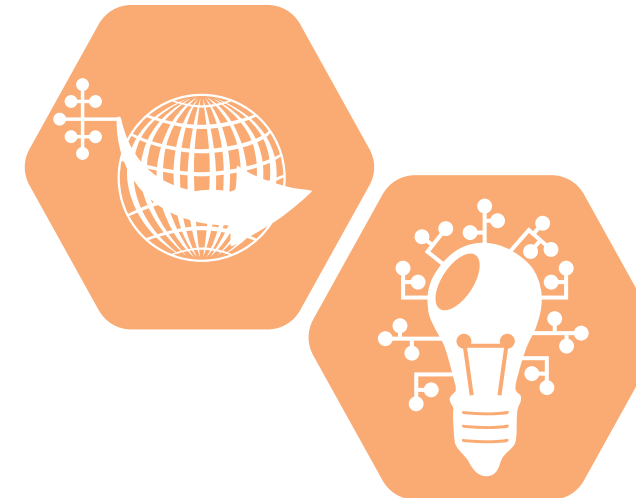
Integration of security systems



The integration of various security systems provides comprehensive protection for a facility. In IFTER EQU, the operation of building systems is carried out through a computer network, using TCP/IP and UDP protocols and RS232 and RS485 interfaces. Such a solution makes it possible to connect systems efficiently and use them optimally. For example, an alarm from a fire detector can automatically trigger the CCTV system to display an image of the emergency site on the operator's screen. This allows operators to respond faster to potential dangers, minimizing the time needed to verify the situation. Integration also reduces the number of false alarms by instantly analyzing images and data from different systems, significantly improving operational efficiency and enhancing facility security.



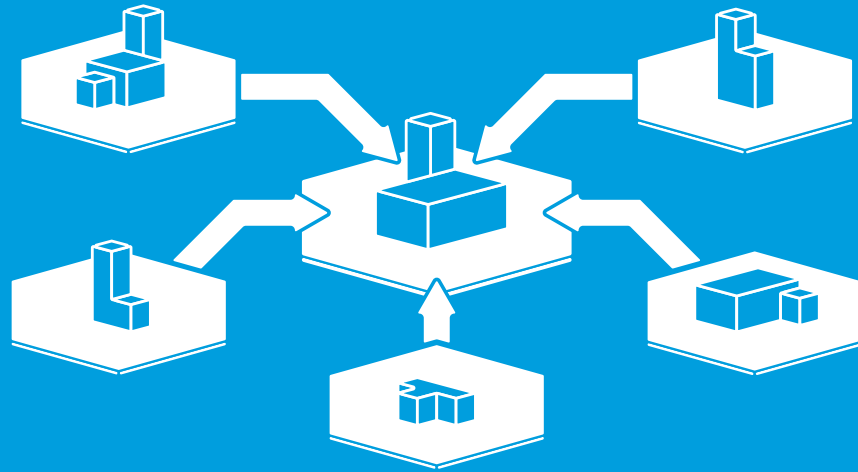
Most third-party management systems only support devices using open standards such as OPC, SNMP or MODBUS. IFTER EQU, in addition to supporting these standards, also supports communication protocols from individual manufacturers. Thanks to its advanced integration capabilities, IFTER EQU software can act as a gateway for systems that do not offer such functionality on their own. This makes it possible to make the presentation and status control functions of security systems available to external management systems using open standards.



IFTER EQU will work well in both small facilities and complex systems covering multiple locations. Thanks to its modular design, the software can be customized, adding more integrations and functions as the infrastructure grows. Support for a wide range of protocols and devices makes IFTER EQU suitable for use in sectors ranging from industry and logistics to public institutions and critical infrastructure facilities.

Adapting to the needs of customers, we are constantly expanding support for new devices and functionalities, which allows for the continuous development of our products. Thanks to the unified interface, the user does not need to learn the specifics of individual devices - it is enough to use the functions that interest him, effectively managing the security and building automation system.

DISTRIBUTED OPERATION

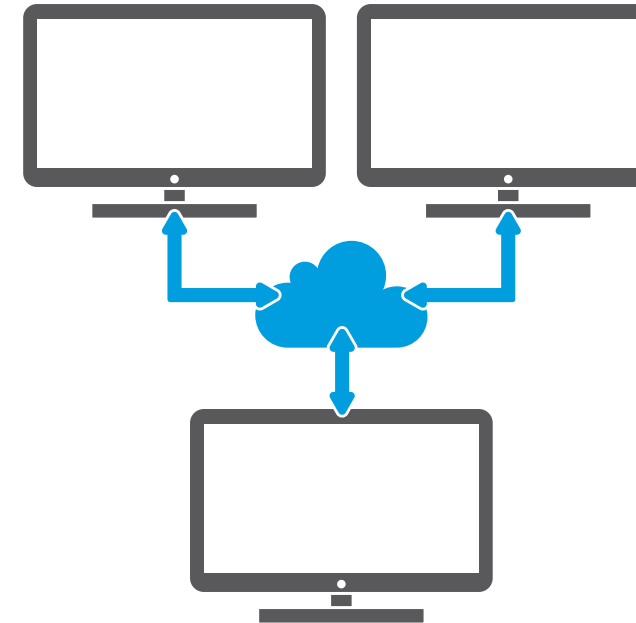


IFTER EQU is a solution designed to manage both single facilities and extensive structures covering multiple locations. Thanks to the system's advanced architecture, simultaneous operation on multiple workstations is possible, and all data is stored and synchronized in a way that ensures its integrity and security. Cluster technology allows the integration of distributed systems into a single, centrally supervised network, eliminating the risk of losing control of individual units. This approach not only provides greater management flexibility, but also makes the system ideal for facilities that require full protection and seamless collaboration between multiple locations. If the connection between the main center and a remote site is interrupted, the level of security is not reduced, as the system at the site operates autonomously until the monitoring center is reconnected.

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DISTRIBUTED OPERATION

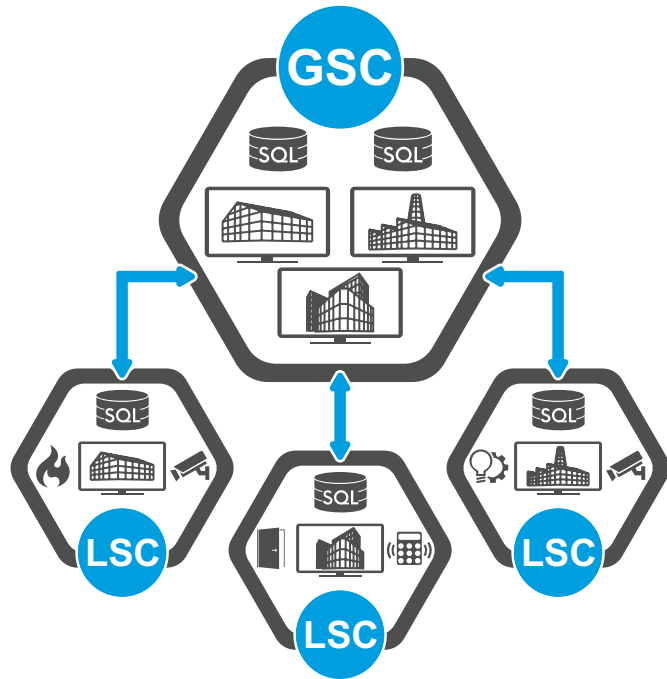
Multi-station capability



The use of the latest IT technologies allowed us to create a system that works simultaneously on multiple computers and mobile devices. All data is stored in a SQL-type database based on the solutions of the world leader - Oracle, which ensures high stability and reliability. The technologies used make it possible to simultaneously monitor the status of devices on multiple computers and to control and configure them from any position. As a result, the operator has access to identical functionality on each computer. In addition, the applied security of access and data transmission guarantees safe use of computer networks.

Cluster technology makes it possible to combine a distributed network of IFTER EQU and IFTER EQU ACC systems into a single coherent and integrated system allowing management and control from both global and local levels. A distinction is made between a master cluster, the Global Surveillance Center, which acts as the overarching cluster management system, and subordinate clusters, the Local Surveillance Centers, which focus on the day-to-day management of regional systems.

Local Surveillance Centers operate autonomously, integrating CCTV, I&HAS, ACS and FAS. They analyze events in real time, automatically responding to threats and optimizing network bandwidth by transmitting only key data to the headquarters. Thanks to decentralization, they eliminate single points of failure, guaranteeing continuity of operations even in case of problems at one node.



The Global Surveillance Center synchronizes and coordinates the activities of local units, providing centralized monitoring and strategic analysis. It enables top-level decision-making by collecting data from various locations and using advanced predictive algorithms to anticipate threats.

The site has a computer with visualization of the current status of security and building automation systems. Thanks to the integration of local devices and its own SQL database, the system works properly even if the connection to the main surveillance center is broken. When the connection is restored, the databases synchronize and all information is transferred to the main center. Only the local configuration is stored on the site, while the main supervision center holds the configurations of all sites. Management of local facilities is fully possible from the main center.



SECURITY SYSTEMS MANAGEMENT



IFTER EQU as software integrates, visualizes and manages building systems such as Fire Alarm System (FAS), Intruder and Hold Up Alarm System (I&HAS), Access Control System (ACS), Closed Circuit Television (CCTV), Control and Measurement System (CMS) and building automation. Each of these systems plays a key role in ensuring the security of a facility. By integrating them into IFTER EQU, the user gains the ability to comprehensively manage all elements of the security infrastructure from a single interface. This allows for faster response to threats and more efficient building management.

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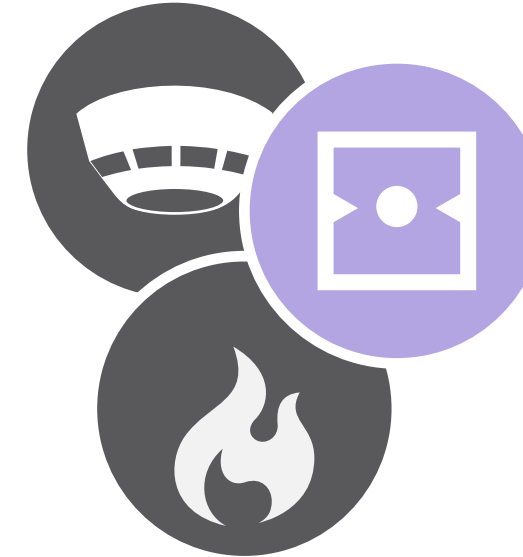
SECURITY SYSTEMS MANAGEMENT I&HAS



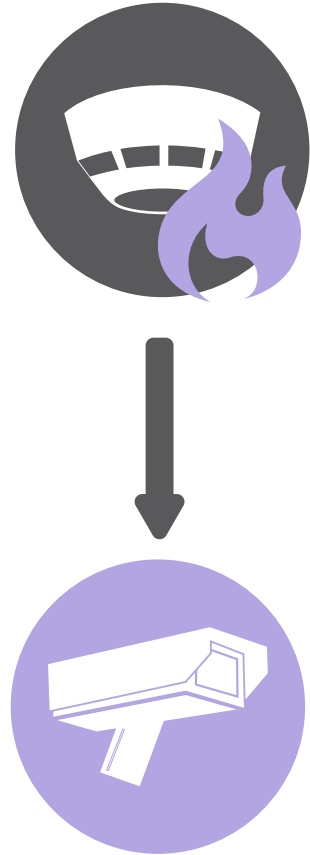
The risk of burglary and assault can be divided into internal, resulting from the actions of employees, and external, coming from people outside the organization. The installation of an Intruder and Hold Alarm System (I&HAS) helps counter these risks. Deployment of I&HAS elements on architectural backgrounds allows monitoring of armament, missed detectors and violations. Visualization of the system facilitates the operator's work and allows for quick localization of the incident. Additional support is provided by handling procedures, alarm comments and integration with CCTV, building automation and other systems. Analytical tools, such as reports and summaries, allow detailed analysis of events and optimization of system performance.



An access control system (ACS) provides efficient management of access to spaces within a facility. The operator can monitor the status of doors (e.g., whether they have been left open too long) and other passageways, such as gates. One of the key functions of ACS is to search for people. By integrating with IFTER EQU, the system monitors the flow of people in the building and provides real-time information on the number of people in each zone. The operator also has the ability to identify people passing through controlled passages. The access control system also plays a role in time and attendance, allowing accurate monitoring of employee attendance.



Visualization of the fire alarm system (FAS) enables immediate localization of the threat and provides mechanisms to facilitate action in stressful situations, such as fire printouts and relational operating procedures. Through integration, the FAS receives support from the intrusion system - in the event of a fire, both smoke and PIR detectors are activated and the operator's monitor automatically displays the image from the corresponding camera. The access control system (ACS) also plays a key role in managing the fire situation, allowing the operator to verify that escape routes have been opened. In addition, IFTER EQU supports the operator in the operation of the FAS by providing information on the status of the supply routes and the ventilation, cooling and heating systems. State-of-the-art functionality and extensive graphical capabilities allow the precise location of the hazard on architectural plans, providing even greater control over the situation.



SECURITY SYSTEMS MANAGEMENT

CCTV

CCTV cameras are the easiest way to verify a threat. Operating DVRs, the operator is able to view images from the cameras both in real time and in the form of archival recordings. Thanks to the linkage function, the system automatically displays a live image from the camera and 10s before an alarm occurs, such as in an Intruder and Hold Up Alarm System (I&HAS) when motion is detected by a PIR detector. Architectural primers allow precise camera placement on the site plan, so the operator can not only see the threat site, but also the neighboring areas, enabling more effective intruder tracking and situation assessment. The IFTER EQU software is not only limited to cameras and selected DVRs - it also enables video playback from any IP camera sharing the video stream.

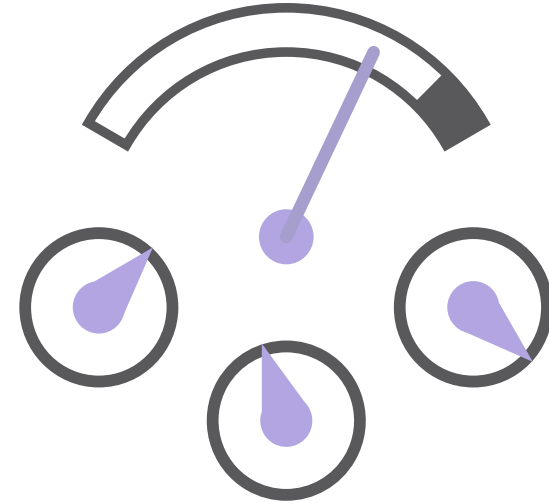


SECURITY SYSTEMS MANAGEMENT

Building Automation System

With IFTER EQU software you can manage building automation systems (BAS) such as lighting, ventilation and air conditioning. The environmental parameters of these systems, such as temperature and humidity, are displayed on architectural plans or process diagrams. The operator can monitor the status and control the operation of the building automation in three ways: **manually** - directly from the visualization level, **automatically** - according to a specific task schedule, **responsively** - in response to a change in the state of the system (script).

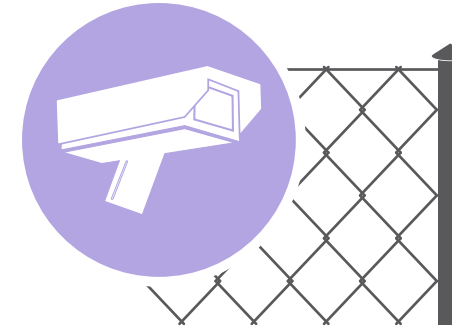
An individual task schedule can be defined for each device, input, output and script. Thanks to its integration features, IFTER EQU also allows the management of building automation systems according to the current status of the security systems, providing greater control and optimization of the plant operation.



The integration of measuring systems enables the control of energy consumption and fault detection. IFTER EQU software supports measuring devices using open communication protocols, which expands its application in the field of active monitoring of parameters of meters, generators, power supplies and other devices.

Graphical representation of measuring elements allows to clearly identify their type and values of measured parameters. Exceeding defined thresholds triggers an alarm, informs about a potential threat or initiates a specific script.

All measured values are recorded in the database in the form of trends, which makes it possible to create summaries and clear graphs. The recording method can be configured individually for each trend, and the range of data collected can be controlled by a schedule.



The solutions used make it possible to create a fully automatic perimeter security system. One autonomous cell controls multiple IP cameras, and an event management tool determines their response to incidents in perimeter security, alarm or access control systems, reducing response time relative to manual control. Integrated functions monitor the availability of devices, enabling them to automatically restart and restore system operation. The IFTER EQU software provides comprehensive system management, including camera control, arming and disarming alarm zones and managing permissions. It can also act as a control panel, using cameras, buried wires or digital detection sensors. The whole system can be divided into alarm zones with options for arming, clearing alarms and locking sensors.



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