

Catalog Card FALCON PSIM Platform



Falcon

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IST/TS 22163:2017



AQAP 2110:2016



Świadcetwo
Bezpieczenstwa
Przemysłowego



Koncesja
MSWiA

Physical Security Information Management (PSIM) Platform "Falcon" provides a centralized solution for multiple users to manage the security of facilities.

A coherent, transparent and homogeneous user interface enabling the collection and correlation of events from many devices, distributed information and security systems such as: CCTV (VMS and recorders), Intruder Alarm System (Burglary and Assault Signaling System), SKD (Access Control System, Fire Alarm System, Fence Protection Systems, BMS (Building Automation), Voice Alarm System (Sound Warning System), hardware SMS gateways, relay controllers, elevators, thermal imaging cameras, video intercoms, external loudspeakers, metal detectors, drones, environmental conditions monitoring systems, smart power strips, radars, unconnected security systems and applications.

ARCHITECTURE AND TECHNOLOGY

- The "Falcon" system is based on the classic client-server architecture
- Fits perfectly into both centralized and dispersed facilities
- Operator applications are made in desktop technology, which ensures maximum efficiency, while modules for mobile operators are made in web technology.

MAIN FEATURES

- - modular construction
- - individualization of functionality
- - flexibility
- - 100% Polish product and support of Polish engineers
- - handling procedures for operators
- - detailed reporting
- - individual GUI

PROCEDURES

The "Falcon" system provides a flexible system of procedures for operators. The client determines which events (or correlation of events) require starting the procedure, each procedure can consist of any number of steps, and each step can be of different types: command, question, action. Each procedure can be freely forked depending on the development of events. An intuitive tool for self-management of procedures is provided for the administrator.

REPORTS

Reports are available in tabular or chart form. All reports are "tailor-made" from data available both from integrated systems and Operators' activities. Each report can be annotated, printed or saved in one of the popular formats.

MAPS AND PLANS

In the "Falcon" system, the following maps are available: vector, raster, georeferenced. Maps can be built using customer bases, road maps or new ones, e.g. from a drone. Each element of the slave system can be mapped and correlated with up to 3 different cameras (including PTZ camera preset, alarm camera image, alarm presentation).

CORRELATIONS

The PSIM system enables the correlation of events and alarms from various integrated systems. This allows you to quickly eliminate many sources of false positives. For example: - correlation of Fence Protection System alarms in the form of fence sensors with a video analytics system recognizing human entry into the area is able to eliminate up to 95% of false alarms.

SECURITY

Access to the system is secured not only with a login and password, but also with biometrics as an option. System communication is encrypted. "Falcon" servers can work in both virtual and real environments, and physical machines can be duplicated with a mechanism for automatically switching to a backup in the event of a failure

Audit

PSIM also tracks all received information and records interactions with the operator and changes to the system w purpose in-depth analysis investigative.

Solving

PSIM supports booting i device control to enable users taking action i resolving situations without having to switch to other systems software

Reporting

PSIM software structure the data from integrated systems to provide a single source truth as needed compliance, reporting and training.

Verification

PSIM presents relevant information about situation and standard operational procedures, based on politics organization

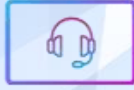
Integration

PSIM provides open architecture for integrating data from any number of divergent devices or security systems, regardless of supplier

Analysis

PSIM provides the engine workflow that analyzes and correlates data, events and alarms to identify actual situations and their priorities.

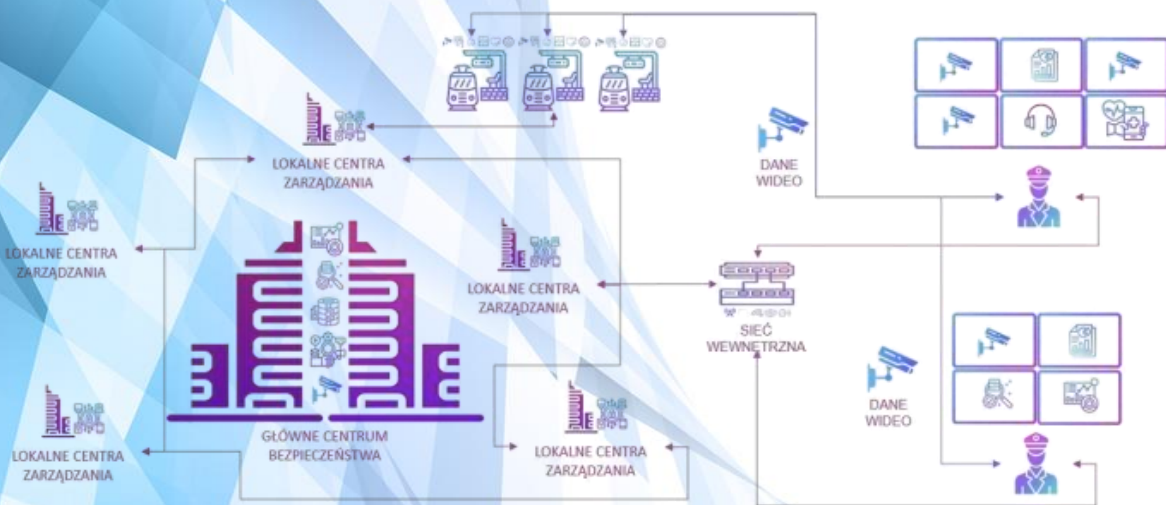
SPECIFICATION



Technical parameters	
System architecture	Client-server
Communication between the operator station and the server	Based on encrypted HTTPS API
Communication between the server and subsystems	Based on each manufacturer's API/ SDK
Operator application	In desktop form installed on the operator's station in the environment of the operating system specific to the offered PSIM software
Software architecture	Systems based on scalable software with modular architecture and fully available in the Polish language version
Right	The system provides authorized users with access to various systems managed by the solution that enables such access
The scope of access for specific users	Configuration by the administrator of the PSIM system
Managed systems	The system provides bi-directional control of managed systems and management information, and enables the receipt of data from systems that enable bi-directional control
System configuration server module for the administrator	Yes
Configuration server module	Displays all properties available on downstream systems under PSIM control so that the administrator has one consolidated platform to configure all aspects of the security integration process and device management
Administrative account	With the highest authorization level available in the system, the use of which, in accordance with the system documentation, does not void the warranty
System functionality	Expanding functionality in accordance with future plans, with support for additional devices of subsystems added as needed. At the same time, the system has the ability to mark existing and new devices on the maps of the facility in order to visualize them.

Technical parameters	
Database records	It saves all data specified by the Ordering Party from all subordinate systems, as well as operations performed by operators. The ability to create any detailed reports that allow you to diagnose possible errors or instability of subordinate systems, as well as contribute to identifying solutions that could be replaced with others to achieve better functionality.
Graphical user interface	Assigning a user to a group and a group of users to security resources
Super User (Group Admin)	Manages user permissions for your group
Administrator rights	Each change of user rights made by the administrator is effective the next time the user logs into the system
Logout	The system enables remote logging out of any user by the system administrator in real time

"FALCON" PSIM TARGET MODEL OF PSIM SECURITY STRUCTURE



The system has interface modules, separate licensing depending on the needs and requirements of a given object.

Interface: CCTV (Industrial Television)

Thanks to intelligent video image analysis, it allows operators and managers to immediately, consistently visualize a given event on a monitor or video wall with full control in terms of playback of material from previous recordings of a given day or selected time period.

Interface: KD (Access Control)

The basic task is to identify the user and determine his access to a specific area by using specialized software and authentication credentials.

Interface: SSWIN (Burglary and Assault Signaling System)

Controlling the operation of the alarm system supervising the security of the protected facility. Security systems can be controlled by users using keypads, remote controls or mobile applications

Interface: BMS (Building Automation)

A building automation system that gives you the ability to control and manage individual devices, their group (e.g. electronics in one circuit) or the entire system. Areas that can be managed include: maintaining power supply, energy flow management and supervision of comfort-enhancing systems, i.e. audio and video operation, operation of air conditioners, ventilation and heating.

Interface: CSDIP (Central Travel Information Data Application)

Signaling of alarm states in the premises by means of messages displayed on electronic CSDIP boards.

Interface: Keyless Station Locking System

This function allows the door to close automatically after a certain period of time and prior notification.

Interface: SSP (Fire Alarm System)

It allows for early detection, signaling and alarming of a fire.

Interface: Radio Communications

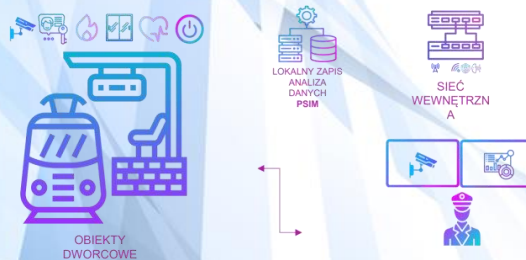
Monitoring and archiving of connections between traffic personnel, train crews and employees equipped with portable radiotelephones.

Interface: SOS (Emergency Call System)

It sends an instant notification of the event and sends an automatic message to the relevant services.

Interface: LAN Monitoring

Provides information about the status and performance of complex interfaces. It monitors and deeply analyzes network components such as routers, switches and firewalls.



The PSIM system has tools that allow for full visualization and handling of events from integrated systems:

Event handling	Event viewer (the ability to go to the map or CCTV panel for specific event)
Map	<p>Multi-layer map 9 external area (Buildings, storeys) with the possibility of zooming in with the "scroll". Integrated systems visualized as layers. Possibility to activate multiple layers for visualization at the same time.</p> <p>Different elements are visualized on the plans for each system:</p> <ul style="list-style-type: none"> ➤ CCTV: camera icons for the viewing angle of the camera. Live video is available by clicking on the camera icon. ➤ SKD: transition icons. The color of the icon determines the state of the transition. After clicking on the icon, the door name, status and image from the camera monitoring the door data (if any) are available ➤ SSWiN: SSWiN zone (the color of the zone means its status) after clicking on the zone, the ability to control. Detector icons, after clicking, the name of the element and the image from the camera monitoring the given detector (if any) are available ➤ The colors of elements on the map reflect their status (normal, alarm). It is possible to add attachments to each element (through the administration application). Attachments can be any files such as: PDF, XVS, TXT and others
VSS (CCTV)	Access to live image and camera recordings. Choice of layout; 1x1, 2x2, 3x3. HDSM support
SSWiN	Access to the list of zones and detectors. Visualization on the map. Controllable. Viewing the list of events. Video image from the recording for each event (with correlated camera)
SKD	Access to the list of passages (doors). Visualization on the map. Controllable. Viewing the list of events. Video image from the recording for each event
BMS	<p>Functional integration of automation (control) modules, elements for monitoring the operation of devices (different manufacturers) and energy consumption as well as all technical installations of the facility.</p> <p>Functional subsystems and their tasks:</p> <ul style="list-style-type: none"> ➤ Gas detection system ➤ Flood protection system ➤ Control of external window blinds ➤ Guaranteed power system ➤ Controlling systems in alarm states ➤ Heating/cooling control ➤ Ventilation control ➤ Air quality control ➤ Lighting control ➤ Energy and utilities consumption monitoring system ➤ Systems for managing and optimizing the distribution and consumption of energy and utilities ➤ Power and electricity consumption management system ➤ Guaranteed power system

<p>Procedures</p>	<ul style="list-style-type: none"> ➤ Procedures for operators to follow when certain alarms occur ➤ Each procedure consists of steps ➤ For each step: command/content, operator's comment (may be required) and function buttons (e.g. sending an SMS notification or disarming a given I&HAS zone). ➤ The following types of steps are available: command, question YES/NO, execution of a defined action ➤ Each procedure undertaken and handled by a single operator who is responsible for handling it ➤ As part of handling the procedure, the operator has access to event data: <ul style="list-style-type: none"> - event generating system - name and type of event - time of the event - location of the event on the plan (if the element initiating the event has location) - image from the camera correlated with the element initiating live events and in parallel with the recording of the event (if the event initiating element has a camera assigned to it) <p>After completing the procedure, it is possible to generate a summary report.</p>
<p>Reports</p>	<p>Reports are divided into:</p> <ol style="list-style-type: none"> a) Implementation of procedures by operators b) Data from integrated systems <p>Filters available:</p> <ol style="list-style-type: none"> a) Time range b) Sub system c) Location d) Alarm events e) Damage




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VALUE ADDED PSIM**FALCON PSIM – COMPLETE SOLUTIONS FOR RAILWAY CHALLENGES**

A fully Polish solution created by Security and IT specialists, guaranteeing security for public institutions.

The source code of the application developed and stored in the Republic of Poland.

A customized system for security needs, not a "boxed" additive solution
Polish capital from foreign technologies.

Access to programming support thanks to a team of supervisors dedicated to each project.

Reduction of TCO costs, maximization of value for State Treasury companies.

A group of top-class specialists with over 15 years of experience in creating, implementing and maintaining PSIM class solutions.

Unlimited system expansion possibilities.



Falcon