



AAT SYSTEMY BEZPIECZEŃSTWA



NOVUS  
MANAGEMENT  
SYSTEM

AC

INTEGRATION,  
CONFIGURATION  
AND VISUALISATION  
OF SECURITY SYSTEMS

NOVUS MANAGEMENT SYSTEM AC  
SECURITY THAT EVOLVES WITH  
YOUR FACILITY

POLISH  
PRODUCT





## WHO ARE WE?

**AAT Systemy Bezpieczeństwa** is a Polish company with 30 years of experience in delivering state-of-the-art solutions in the field of electronic security systems. Offering innovative technologies developed by our experts, characterised by flexibility and tailored to the dynamically changing market demands.

Scalable systems ensure comprehensive control and protection of people, assets, and infrastructure. Collaboration with experienced installers and designers allows us to provide comprehensive support at every stage of project implementation.

Specialists offer expert advice on selecting and configuring the right solutions and conduct training sessions and workshops, ensuring the full potential of our products is realised. This enables professionals to create effective security solutions that meet the highest standards.

By leveraging advanced technologies and adopting an individual approach to the specific needs of facilities, we deliver efficient protection in diverse environments, ensuring continuous monitoring and enhancing security levels.

As a trusted partner both in Poland and internationally, AAT Systemy Bezpieczeństwa sets new standards in the field of electronic security systems.

CREATING  
SOLUTIONS  
**SUPPORTING**  
**PROFESSIONALS**

# WHY CHOOSE US?



## NOVUS MANAGEMENT SYSTEM AC

Bespoke software for integrating, configuring, and visualising security systems on a single platform.



## COMPREHENSIVE OFFER

A wide range of solutions tailored to different types of facilities.



## CUTTING-EDGE TECHNOLOGIES

Advanced security systems designed by experienced Polish engineers.



## COMPLIANCE WITH STANDARDS

Systems meet national and European regulations and hold the required certifications.



## SUPPORT

Consultancy and technical assistance from project planning to implementation.



## TRAINING AND WORKSHOPS

Enhancing the skills of designers, installers, and system integrators.



## PROVEN SOLUTIONS

Years of experience and reliability in protecting critical infrastructure, including government, military, and commercial sectors.



## 12 BRANCHES IN POLAND

Fast and easy access to support and consultancy.



## BESPOKE SOFTWARE

Years of experience and continuous development have led to the creation of the innovative and comprehensive **NOVUS MANAGEMENT SYSTEM AC** platform. This solution enables integration, configuration, and visualisation of various security systems, bringing them together into a unified whole while maintaining their full independence and functionality.

## CUTTING-EDGE TECHNOLOGIES

Software that combines advanced technologies with flexibility, enabling seamless and efficient management of multiple security systems. A reliable tool for companies seeking comprehensive and modern electronic security solutions.

## TAILORED SOLUTIONS

A flexible approach allows for customisation to meet specific requirements, ensuring full adaptability to diverse environments and organisational structures. A key element of our work is active listening to users, leading to solutions that effectively enhance security, efficiency, and business growth.

## SECURITY MANAGEMENT AT A HIGHER LEVEL

Choosing NOVUS MANAGEMENT SYSTEM AC ensures modern, reliable, and fully compliant security system management. Join the growing community of satisfied users who are already benefiting from our innovative solutions and elevate security standards in your organisation.



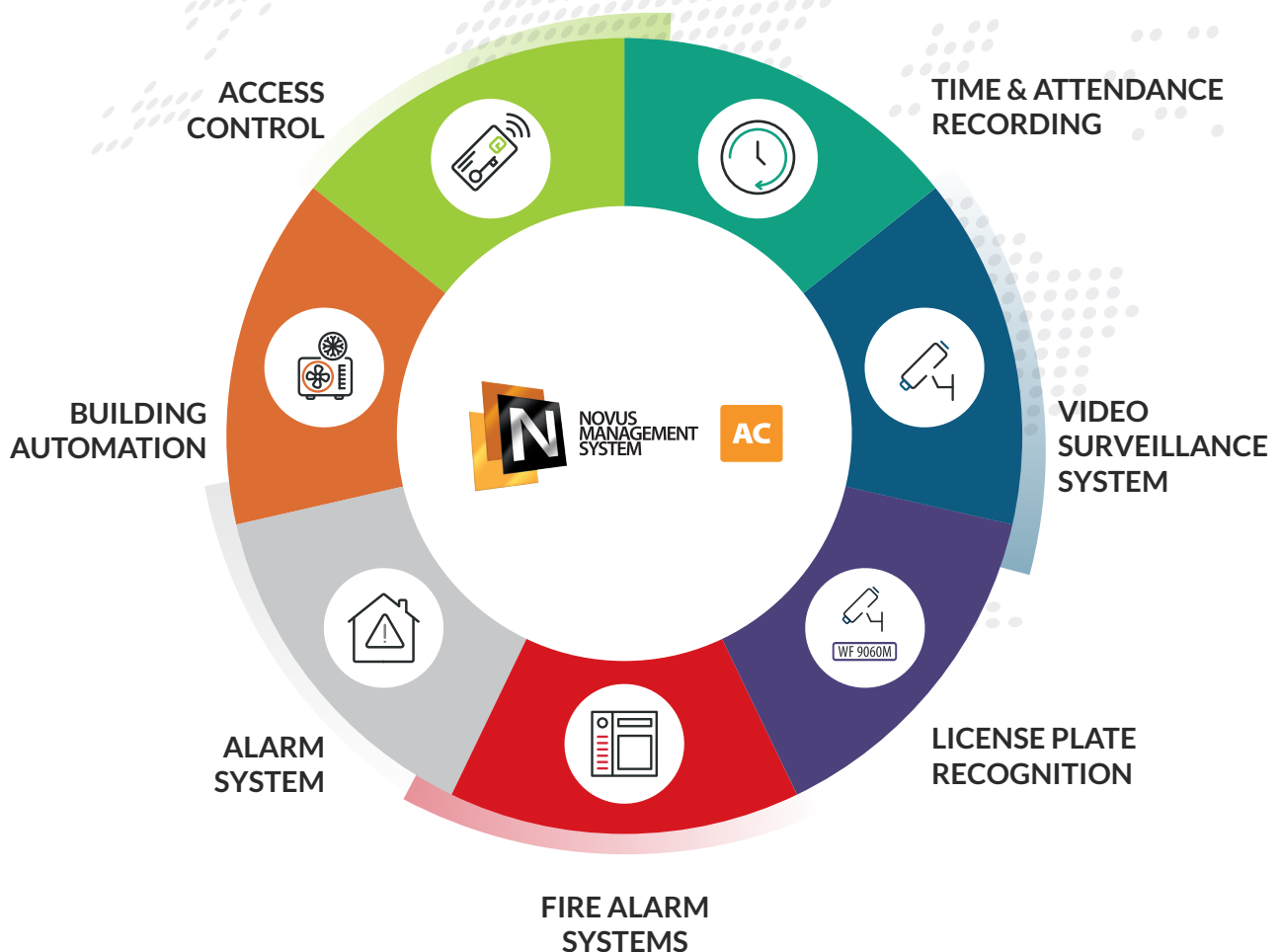
POLISH  
PRODUCT



NOVUS MANAGEMENT SYSTEM AC  
TRUST OUR EXPERIENCE

# SYSTEM INTEGRATION ON A SINGLE, COHESIVE PLATFORM

An intuitive interface, centralised management, and seamless integration of multiple systems provide the highest level of security, even across distributed locations. Each module operates autonomously, maintaining full functionality while enabling advanced interactions between systems.



**NOVUS MANAGEMENT SYSTEM AC** evolves alongside your facility's needs, allowing flexible adaptation to changing requirements and infrastructure expansion.

# ONE SYSTEM, UNLIMITED POSSIBILITIES



**Seamless security system integration** – standard protocol support and intuitive configuration enable unified security management, simplifying integration and enhancing efficiency.



**Unified user interface** – a consistent UI across all systems eliminates the need to switch between applications, improving management efficiency and user experience.



**Visualisation of integrated systems** – clear, graphical representation of system components supports monitoring, management, and diagnostics.



**Centralised access rights and configuration management** – a client-server structure enables remote settings management from any device, facilitating multi-location security administration and system scalability.



**MS SQL database** – ensures data security, rapid access to information, and efficient reporting, supporting decision-making and process optimisation.



**Customisable automation scenarios** – advanced automation allows complex interactions between systems, enhancing protection and reducing the risk of errors.



**Distributed system support** – a multi-client, multi-server model enables centralised management of multiple sites, ensuring rapid response to potential incidents.

# ACCESS CONTROL

A solution tailored to facility-specific requirements, delivering the highest security standards and convenient access management.

- » **Comprehensive access control management** – full control over user permissions and device configurations enables multi-level security administration.
- » **Highest security standards** – compliant with PN-EN 60839-11-1:2014-01, meeting Grade 4 requirements for maximum security tailored to specific site needs.
- » **End-to-end data encryption** – secure communication and encrypted connections prevent unauthorised access and ensure data protection.
- » **Support for multiple communication protocols** – compatibility with OSDP, Wiegand, RS-485, and TCP/IP enhances system flexibility and adaptability to unique security requirements.
- » **Global security zones and airlocks** – enable strict access policies, ensuring comprehensive security control across various facility areas.
- » **Biometric identification** – integrated biometric authentication provides the highest level of access control, minimising unauthorised entry risks.
- » **Lift and floor access control** – precise management of access to specific floors and lifts ensures full control over internal movement.



Access control management



Highest security standards



Data encryption



Multi-protocol support



Zones and inclusive airlocks

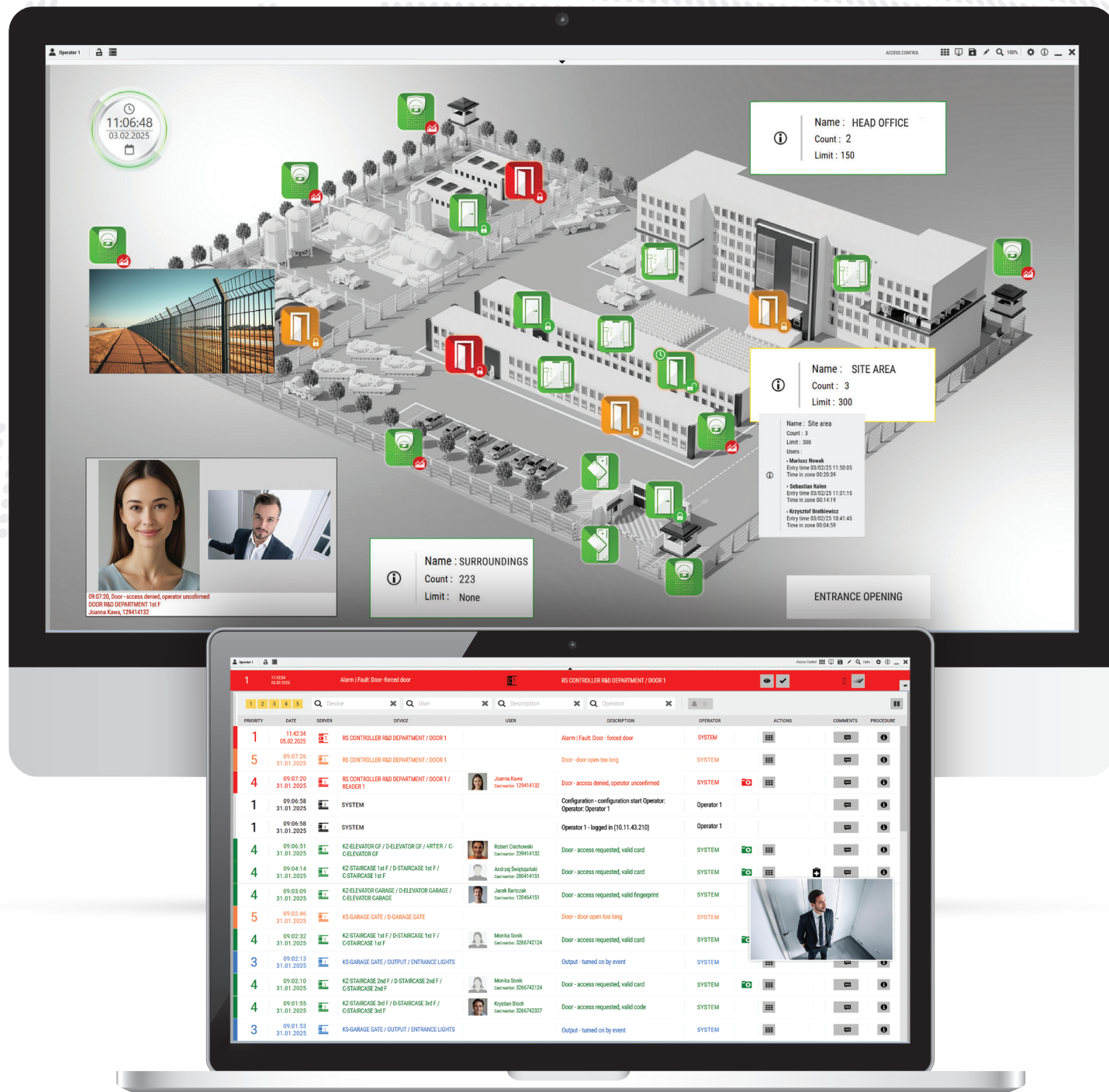


Biometric identification



Lift & floor access control





Example of an access control panel configuration displayed within the actual NOVUS MANAGEMENT SYSTEM AC interface.



# TIME & ATTENDANCE RECORDING

The interface is titled 'Time and attendance' and includes a navigation menu with options like Groups, Schedules, Calendars, Event corrections, Templates, Time and attendance reports, Automatic reports, and Attendance list.

**Attendance list (Monitor):**

| Photo | Firstname | Lastname   | Department     | Time of entry | Status | Last verify | Scheduled end of work |
|-------|-----------|------------|----------------|---------------|--------|-------------|-----------------------|
|       | Patryk    | Lewowski   | SSWIN, KD, ADV | 07:26         | ●      | 15:30       | 15:30                 |
|       | Marcin    | Gendkowski | AAT Katowice   | 07:27         | ●      | 15:29       | 15:27                 |
|       | Michał    | Bajeczny   | AAT Katowice   | 07:11         | ●      | 15:29       | 15:11                 |
|       | Konrad    | Bisiowski  | AAT Katowice   | 07:01         | ●      | 15:29       | 15:01                 |
|       | Łukasz    | Dachowski  | AAT Katowice   | 07:19         | ●      | 15:23       | 15:19                 |
|       | Dariusz   | Maczek     | AAT Katowice   | 08:18         | ●      | 15:18       | 16:18                 |
|       | Marcin    | Zawodski   | AAT Katowice   | 08:18         | ●      | 15:13       | 16:18                 |
|       | Łukasz    | Lunc       | AAT Katowice   | 06:59         | ●      | 15:01       | 15:00                 |
|       | Katarzyna | Zacharska  | AAT Katowice   | 07:26         | ●      | 14:34       | 14:30                 |
|       | Konrad    | Cieszyński | AAT Katowice   | 07:31         | ●      | 14:30       | 15:31                 |

**Summary (Monitor):**

15:30

- users: 95
- present users: 67
- absent users: 27
- on a break: 0
- on a business exit: 2
- on a private exit: 0
- absences: 0

**Individual report (Laptop):**

Time range: 01.02.2025 - 28.02.2025

| Date             | Week beginning and end | Registered start time | Work ending time | Late  | Early end | Registered exit time for a break | Registered business start | Registered business return | Registered a business exit time | Real time of work | Absence | Total time of work |
|------------------|------------------------|-----------------------|------------------|-------|-----------|----------------------------------|---------------------------|----------------------------|---------------------------------|-------------------|---------|--------------------|
| 01-02-2025 (sat) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 02-02-2025 (sat) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 03-02-2025 (sun) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 04-02-2025 (mon) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 05-02-2025 (tue) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 06-02-2025 (wed) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 07-02-2025 (thu) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 08-02-2025 (fri) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 09-02-2025 (sat) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 10-02-2025 (sun) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 11-02-2025 (mon) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 12-02-2025 (tue) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 13-02-2025 (wed) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 14-02-2025 (thu) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 15-02-2025 (fri) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 16-02-2025 (sat) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 17-02-2025 (sun) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 18-02-2025 (mon) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 19-02-2025 (tue) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 20-02-2025 (wed) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 21-02-2025 (thu) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 22-02-2025 (fri) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |
| 23-02-2025 (sat) | 00:00 - 00:00          | 00:00                 | 00:00            | 00:00 | 00:00     | 00:00                            | 00:00                     | 00:00                      | 00:00                           | 00:00             | 00:00   | 00:00              |

Example configuration of time tracking system visualization and operation presented on the actual interface of NOVUS MANAGEMENT SYSTEM AC.

## A comprehensive tool for precise workforce time tracking, supporting personnel management optimisation and improving operational efficiency.

- » **Dedicated time attendance terminals with biometric options** – devices equipped with keypads, card readers, and optional biometric modules enhance security and identification accuracy, minimising errors common in traditional time tracking methods.
- » **Integration with access control** – seamless compatibility with access control readers transforms the T&A system into a fully integrated security management solution, streamlining access and attendance monitoring.
- » **Full support for shift work, overtime, and night hours** – flexible work schedule management, including shift work, overtime, and night hours, enables more precise time tracking tailored to the organization's needs.
- » **Complete attendance records** – the system provides a quick overview of employee presence and attendance, facilitating easier working time monitoring.
- » **Defining time tracking report templates** – allows for precise creation of required documents, covering categories such as absences, overtime, or shift work.
- » **Data exchange with HR and payroll programs** – generating data exchange files streamlines HR and payroll processes and minimizes the risk of errors in employee settlements.



Time tracking  
terminals with  
biometrics



Integration with  
access control  
system



Shift work  
support



Attendance  
tracking



Report  
templates



Data  
exchange

# VIDEO SURVEILLANCE SYSTEM

The solution combines innovation, efficiency, and security, providing effective facility protection and efficient monitoring. By utilizing the latest technologies, it ensures the highest image quality and smooth operation, even with a large number of cameras.

- » **Multi-monitor support** – allows simultaneous viewing of multiple protected areas, ideal for surveillance centres and facilities requiring constant supervision.
- » **Integration with IP and hybrid systems** – ensures flexibility in adapting to the existing monitoring infrastructure, allowing for a seamless transition to new technologies.
- » **Advanced image analysis based on Deep Learning** – enables the detection of suspicious behaviour and object identification. It also includes other analytical features that enhance security and enable a quicker response to threats.
- » **Advanced network protocols** – flexible adaptation to specific user needs, thanks to support for ONVIF, RTSP, TCP/IP protocols, as well as security policies such as IEEE 802.1X and HTTPS.



Multi-monitor support



Integration with IP and hybrid systems



Deep Learning-based image analysis



Advanced network protocols

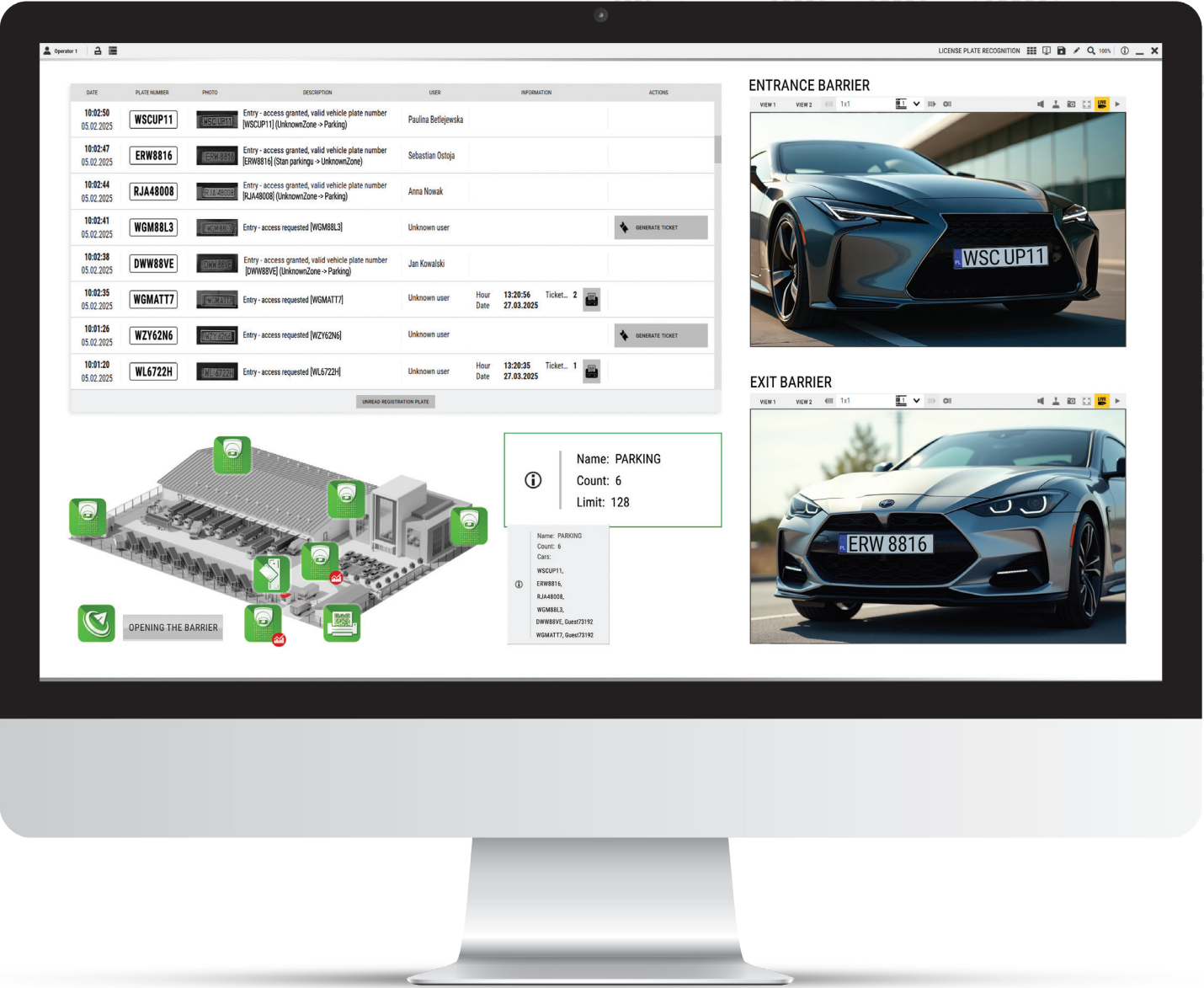




Example configuration of surveillance system visualization and operation panels presented on the actual interface of NOVUS MANAGEMENT SYSTEM AC.



# LICENSE PLATE RECOGNITION



Example configuration of the license plate recognition system visualization and operation panel presented on the actual interface of NOVUS MANAGEMENT SYSTEM AC.

The license plate recognition system provides automated transit control and complete vehicle records. It enables efficient parking and facility access management, enhancing security and user convenience.

- » **Automated vehicle access control** – automatic license plate recognition allows for quick entry and exit, improving traffic flow and enhancing parking user comfort.
- » **Vehicle record management** – a complete log of incoming and outgoing vehicles allows for precise tracking of transit history and better security control.
- » **Parking zone management** – flexible adjustment of rules and limits in each zone optimizes parking space usage, minimizing the risk of overcrowding.
- » **Support for printers and QR code readers** – optimizes access control, offering modern solutions for both visitors and employees.



Automated entry  
and exit



Vehicle record  
management



Parking zone  
management



Support for printers  
and QR code readers

# FIRE ALARM SYSTEM

Fire alarm system visualization enables an immediate response to threats and ensures full control over evacuation processes in crisis situations.

- » **System monitoring** – provides instant event preview and quick response to alarms and potential failures.
- » **Video verification** – allows immediate confirmation of threats.
- » **Evacuation report** – supports crisis management, ensuring safe evacuation and risk minimization.
- » **Interaction scenarios with other systems** – enables the creation of complex, automated interaction scenarios between integrated systems, enhancing security and eliminating the risk of human errors.





Example configuration of the fire alarm system visualization panel presented on the actual interface of NOVUS MANAGEMENT SYSTEM AC.



# ALARM SYSTEM



Example configuration of the alarm system visualization and operation panel presented on the actual interface of NOVUS MANAGEMENT SYSTEM AC.

The alarm system ensures full control over facility security. With intuitive management, it enables effective monitoring of the facility's status, quick threat response, and flexible adaptation of security measures to current needs.

- » **Alarm system status monitoring** – provides continuous visibility into the status of all alarm devices, allowing quick detection of threats and failures and ensuring immediate response to dangers.
- » **Arming and disarming the system** – flexible management of zone arming allows precise adaptation of security measures to current needs and risk levels.
- » **Alarm cancellation** – convenient alarm cancellation from the software interface enhances system usability.
- » **User configuration** – provides full control over user permissions within the alarm system, increasing security and management efficiency.



Alarm system  
monitoring



Arming  
and disarming



Alarm  
cancellation



User  
configuration

# BUILDING AUTOMATION

It enables integration with other systems, ensuring safe, comfortable, and efficient management of every aspect of building operation.

- » **Environmental parameter measurement** – monitoring of temperature, humidity, pressure, and other parameters allows precise adjustment of indoor conditions, improving user comfort and building energy efficiency.
- » **Current and voltage measurement** – continuous monitoring of power supply voltage and current intensity enables automatic response to irregularities, such as switching to a backup power source, ensuring uninterrupted operation.
- » **Control outputs** – remote control functionality enables automatic management of lighting, air conditioning, ventilation, and other technical installations, optimizing energy consumption and reducing costs.



Environmental parameter  
measurement



Current and voltage  
measurement



Control  
outputs



Example configuration of the building automation system visualization and operation panel presented on the actual interface of NOVUS MANAGEMENT SYSTEM AC.



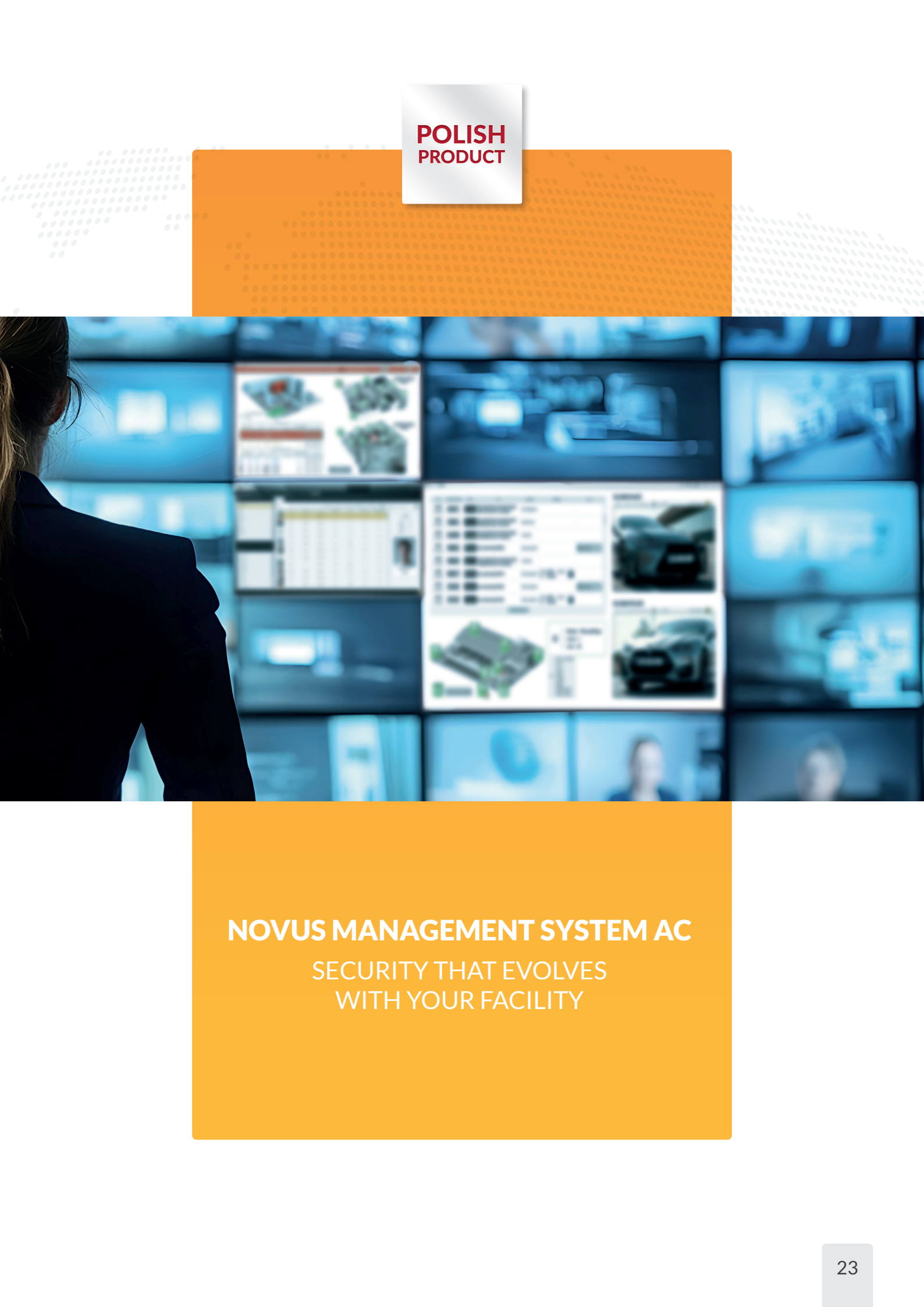


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[www.aat.pl/en](http://www.aat.pl/en)

**Contact us** and find out how to enhance facility security while ensuring convenient management of security systems at every stage of your company's growth!



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**NOVUS MANAGEMENT SYSTEM AC**  
SECURITY THAT EVOLVES  
WITH YOUR FACILITY



## AAT SYSTEMY BEZPIECZEŃSTWA

431 Puławska St, 02-801 Warsaw, Poland

☎ +48 22 546 05 46

✉ [export@aat.pl](mailto:export@aat.pl)

🌐 [www.aat.pl](http://www.aat.pl)

AAT SYSTEMY BEZPIECZEŃSTWA sp. z o.o.

NIP: 9512500868, REGON: 385953687, BDO no.: 000433136

The Company was entered into the Register of Entrepreneurs of the National Court Register kept by the District Court, XIII Economic Division of the National Court Register, under no. KRS 0000552829, share capital paid in full in the amount of: 17 005 000 zł.