



Open Architecture PSIM Software

advancis

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What is PSIM Software?

Comprehensive security and building management



PSIM+

Physical Security Information Management (PSIM) software is a platform that integrates several unconnected security systems, controlling them via a unified user interface. This enables the user to detect occurring events triggered by different security systems and to resolve them in an optimal way.

With WinGuard, we define PSIM+ software as a solution reaching far beyond the common scope, offering the possibility for cross-domain integration of the complete security, building and communication technology.

Another enhancement compared to conventional PSIM solutions is the connection to higher-tier mission control systems.

WinGuard collects all incidents from different security and information systems. The intelligent event visualization enables the user to easily identify situations. With the help of dynamic workflows as well as automatic actions, the user is led to the most appropriate response method in accordance with established guidelines.



- | | | | | |
|----------------------------|--------------------------|---------------------------------|-----------------------|-------------------------|
| 1. Fire Detectors | 7. Perimeter | 13. Fire Det. Positioning Plans | 19. IT Infrastructure | 25. Lighting |
| 2. Sprinkler System | 8. Public Address | 14. Intercom | 20. Radiocomm. | 26. Weather Station |
| 3. RFID Reader | 9. Barriers and Bollards | 15. Personal Emergency Call | 21. Heating | 27. Elevator |
| 4. Video Camera | 10. Key Management | 16. E-mail, SMS, Pager | 22. Air Conditioning | 28. Power Consumption |
| 5. Motion Detector | 11. Emergency Exits | 17. Mobile Access | 23. Ventilation | 29. Parking Management |
| 6. Glass Breakage Detector | 12. Escape Door Terminal | 18. Telecommunications | 24. Blinds | 30. Building Automation |

WinGuard

Most important features



Open Platform

With more than 1400 installations realised in different application sectors, WinGuard is one of the market leading PSIM systems worldwide.

It is a vendor-neutral and open architecture software platform so that the total technical infrastructure of a building can be visualised and controlled. This greatly simplifies the complex work processes in a control centre.

Guided Operations

The operator works with an intuitive and adaptable user interface providing them with contents such as maps and camera images depending on the particular situation.

Guided process instructions support the user in event processing and lead them through the required actions for a quick and secure resolution of the situation.



Reports & Audits

All actions such as event messages and user entries are logged in WinGuard. Based on this data, reports and evaluations can be generated, offering a quick overview of relevant key figures of the connected systems and the control centre.

For external use, this information can be exported into standard formats or provided in real-time.

Open Scalability

The platform is scalable from a single workstation system to an internationally cross-linked control centre and can be extended anytime by further servers and clients, function and interface modules. Currently, over 400 interface drivers to different security, building and communication systems are available. In addition, development of new interfaces is possible as well.

Therefore, WinGuard is the ideal solution for most diverse project requirements.

WinGuard

Advantages and functions



Open Architecture

Subsystems are linked to WinGuard via interface drivers. In addition to the support of open standard protocols, WinGuard offers more than 400 manufacturer-specific interface modules.



Modular & Scalable

With individually adapted modules for the required functions as well as the highly scalable system, WinGuard always offers the perfect solution for the most diverse requirements.



Encryption

In addition to the network communication secured via TLS, it is also possible to encrypt the very powerful and robust database with AES according to highest security standards.



CAD Support

The WinGuard CAD Support offers import or linkage of CAD graphics, e.g. in DWG, DXF and DGN format. Using CAD Support plus, the detector positions are taken over automatically.



Notifications

WinGuard Event Routing offers a dynamic forwarding of event messages to workstations and mobile devices. Furthermore, it is also possible to send text messages and voice recordings.



Mobile Devices

Web access and apps (iOS and Android) provide clear access to all events and operations of the control centre at any time.



Video Manager

Using the WinGuard Video Manager, analogue and digital video systems can be controlled. Image displays, PTZ control and archive access are realised in a unified way, provided that the connected systems offer these functions.



Video Archive

The Video Archive offers the possibility to create bookmarks and store sequences in WinGuard, independent of the video system. The bookmarks or sequences can be linked to events and additional notes can be attached.



User Administration

WinGuard offers a comprehensive user and rights management. As an option, an existing Active Directory (LDAP) can be applied for user administration.



Redundancy

Using several WinGuard Standby Servers, the complete database of the main system is continuously kept on one or more other computers. This ensures the system availability and stability at any time.



Locations

Distributed locations can be linked via location servers to ensure an independent operation of the locations in case of a possible breakdown of the central server or the network.



Segmentation

Using segmentation, the database of network systems can be divided into segments in order to limit access to customer or location data.



Geo Information

Integration of geographic information systems. The positions and states of datapoints can be dynamically visualised on maps and integrated in event processing.



Configuration

With the integrated Graphic and Text Editor, creation and editing of overview and event graphics as well as of workflows is possible. The user interface can be individually adapted via user layouts and profiles.



Facility Manager

The WinGuard Facility Manager enables collection of maintenance dates and inspection intervals for unconnected systems such as e.g. fire extinguishers, sprinkler systems, air conditioning, etc.



Scheduler

The Scheduler module provides calendars, time schedules, a dead man's handle function, automatic actions as well as control operations (scheduled and monitored system controls) in WinGuard.



WinGuard Express

The optimal solution for small installations

Standalone system with up to 3,000 datapoint units and three interfaces to subsystems: The perfect and cost-efficient solution for a single location not requiring any further clients apart from the main system.

WinGuard Express is suitable e.g. for the linkage of access control with video surveillance or for visualisation and control of fire alarm systems with up to 3,000 detectors, including the automated printout of fire detector positioning plans in case of an event.

Of course WinGuard Express can be extended anytime to a more comprehensive solution by adding further function and interface modules.

- ✓ Cost-efficient solution for smaller projects
- ✓ Up to 3,000 DPU and three interfaces to subsystems
- ✓ Linkage of different devices and systems that are installed in the building
- ✓ Flexible access and notification via optional mobile app

Application Example

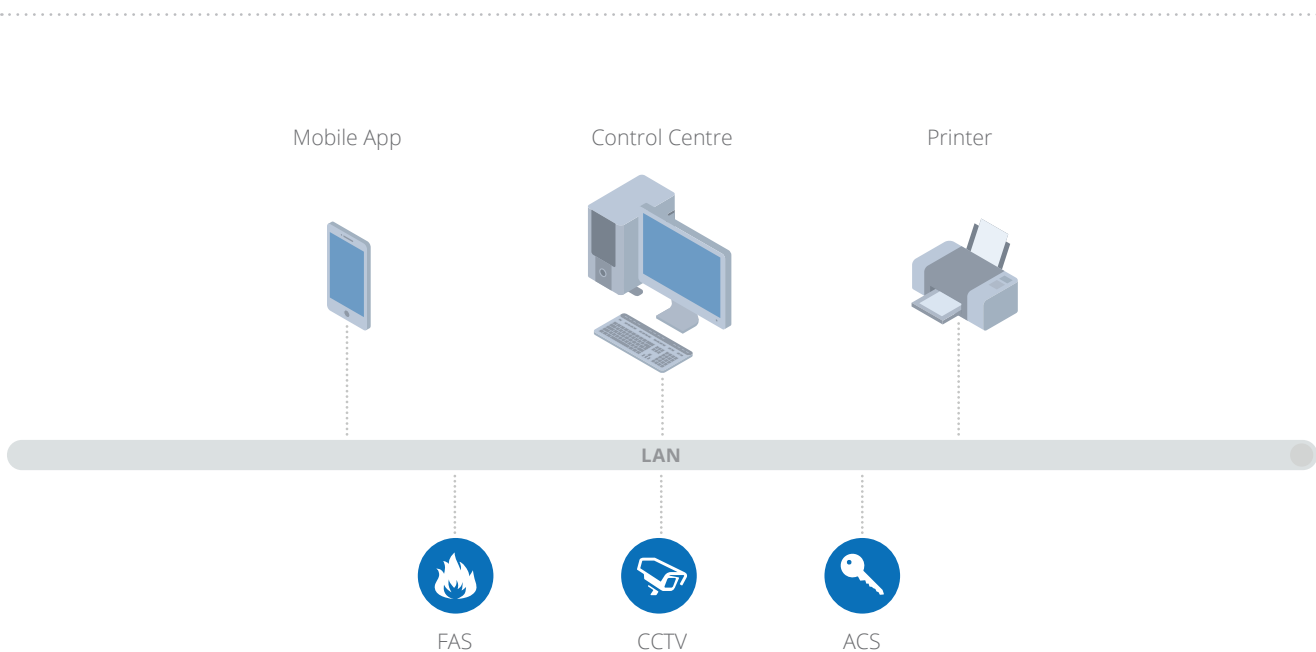
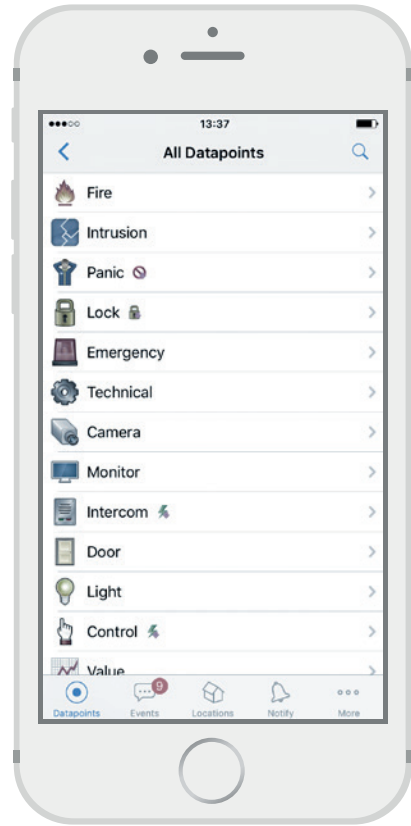
The iOS or Android App can already be used with WinGuard Express, enabling mobile access to WinGuard and all connected systems. Personnel on site can also trigger events by using their smartphone.

Project Example

The WinGuard standalone system already offers the possibility to realise comprehensive security concepts for smaller locations. Provided that the workstation is not continuously manned, event messages can be directly forwarded to the mobile device of the person in charge using the WinGuard Mobile App. In addition, the exact location information where the event is taking place will be sent. This enables a clear localisation so that the personnel can initiate the appropriate actions to resolve the situation.

Vice versa, event information that is not automatically registered by the technical devices integrated in WinGuard can be triggered directly using the smartphone/tablet. For example, in case of a leaking hazardous substance, an event message incl. notes, photos, videos or voice recordings can be triggered using the app. This ensures a fast reaction in case of emergency.

For the purpose of maintenance works, it is also possible to arm or disarm detectors using e.g. the mobile phone.





WinGuard Basic

The ideal starter version for installations with multiple clients

Distributed system with up to five clients, 5,000 datapoint units and five interfaces – the optimal solution for medium-sized installations, including multi-client mode.

Different security, building and communication management systems are linked so that e.g. fire/intrusion detection systems, access control, video surveillance and intercom systems are controlled via one unified user interface. Depending on priority and responsibility, all events can be displayed at the particular workstation. Complete control of the connected systems via authorised users is of course also possible anytime.

- ✓ Distributed systems in medium-sized installations
- ✓ Up to 5,000 DPU, five clients and five interfaces to subsystems
- ✓ Central documentation and comprehensive reporting possibilities
- ✓ Target state monitoring of connected detectors or areas, e.g. arming/disarming

Application Example

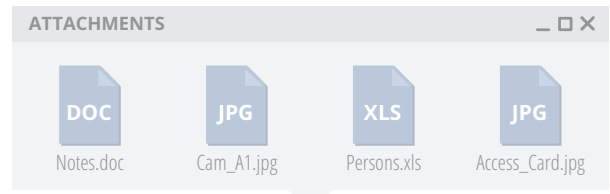
File attachments such as video images and sequences, comments, e-mails, photos and other documents can be added as "attachments" to incoming event messages.

Project Example

In a surveilled building, usually access control combined with video monitoring are essential components of the installed security technology to ensure that the building or specific areas within it can only be accessed by authorised persons.

In case of a unauthorised access attempt, WinGuard will, in addition to the event message, automatically provide the personal data such as name and photo of the card holder as well as the booking history. The cameras installed in the access area will be displayed automatically so that a quick evaluation of the situation is possible. The pictures can be directly forwarded as event attachments to personnel in charge on site to initiate the appropriate actions. Due to the unified WinGuard user interface, event processing and control of the connected systems are very user-friendly and efficient.

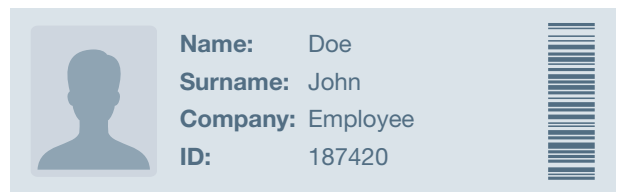
Central documentation as well as comprehensive reporting possibilities are additional advantages provided by WinGuard.



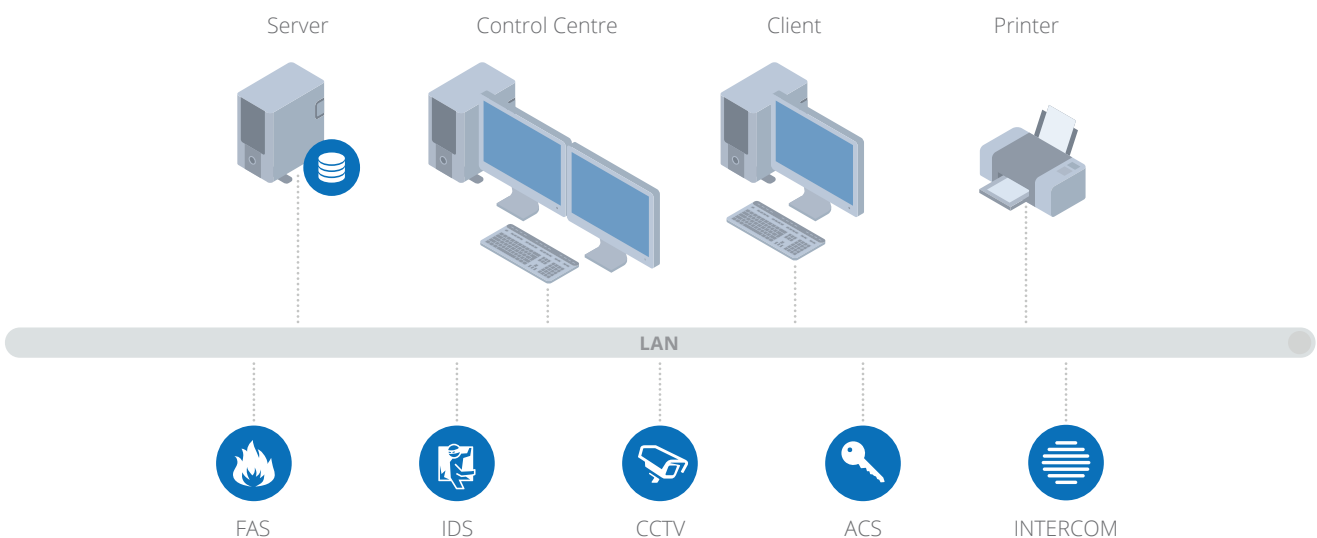
Cam_A1.jpg

ID	Company	Last Name	First Name	Email	Ad.	Job Title	Business Phone	Home Phone	Mobile Phone	Fax	Name	Address	City	State/Province	ZIP/Postal Code	Country
1	Company A	Bedecs	Anna			Owner	(12)955-0100				(12)955-0123	1st Street	Seattle	WA	99999	USA
2	Company B	Gratios	Antonio			Purchaser	(12)955-0100				(12)955-0123	2nd Street	Boston	MA	99999	USA
3	Company C	Avie	Thomas			Purchaser	(12)955-0100				(12)955-0123	3rd Street	Los Angeles	CA	99999	USA
4	Company D	Lee	Christina			Purchaser	(12)955-0100				(12)955-0123	4th Street	New York	NY	99999	USA
5	Company E	O'Donnell	Merlin			Purchaser	(12)955-0100				(12)955-0123	5th Street	Minneapolis	MN	99999	USA
6	Company F	Perez-Ota	Francisco			Purchaser	(12)955-0100				(12)955-0123	6th Street	Milwaukee	WI	99999	USA
7	Company G	Sie	Ming-Yang			Owner	(12)955-0100				(12)955-0123	7th Street	Boise	ID	99999	USA
8	Company H	Andersen	Elizabeth			Purchaser	(12)955-0100				(12)955-0123	8th Street	Portland	OR	99999	USA
9	Company I	Mohrman	Zvon			Purchaser	(12)955-0100				(12)955-0123	9th Street	San Jose	CA	99999	USA
10	Company J	Wacker	Richard			Purchaser	(12)955-0100				(12)955-0123	10th Street	Chicago	IL	99999	USA
11	Company K	Frachse	Peter			Purchaser	(12)955-0100				(12)955-0123	11th Street	Miami	FL	99999	USA
12	Company L	Edwards	John			Purchaser	(12)955-0100				(12)955-0123	12th Street	Las Vegas	NV	99999	USA
13	Company M	Ludick	Andre			Purchaser	(12)955-0100				(12)955-0456	13th Street	Memphis	TN	99999	USA
14	Company N	Gallo	Charles			Purchaser	(12)955-0100				(12)955-0456	14th Street	Denver	CO	99999	USA
15	Company O	Fujikawa	Hirotaka			Purchaser	(12)955-0100				(12)955-0456	15th Street	Honolulu	HI	99999	USA
16	Company P	Gardachon	Danielle			Purchaser	(12)955-0100				(12)955-0456	16th Street	San Francisco	CA	99999	USA
17	Company Q	Boguel	Jean-Philippe			Owner	(12)955-0100				(12)955-0456	17th Street	Seattle	WA	99999	USA
18	Company R	Audat	Mick-Catherine			Purchaser	(12)955-0100				(12)955-0456	18th Street	Boston	MA	99999	USA
19	Company S	Egger	Alexander			Accountant	(12)955-0100				(12)955-0789	19th Street	Los Angeles	CA	99999	USA

Persons.xls



Access_Card.jpg





WinGuard Professional

Highly flexible solution for larger installations

Flexible solution for comprehensive installations with up to 15 clients, 25,000 datapoint units and 15 interfaces. Development of new interfaces is possible anytime.

The system offers multiple redundancy levels to always ensure the high availability of the security and building management platform. Thanks to Hot Standby, the system functionality is kept even if a central component fails. This is particularly important for critical environments, e.g. in the finance sector, in data centres, correctional facilities or any other highly sensitive areas.

- ✓ Distributed systems in large-sized installations
- ✓ Up to 25,000 DPU, 15 clients and 15 interfaces
- ✓ Multiple redundancy and high availability
- ✓ Automatic takeover of detector positions from existing CAD plans

Application Example

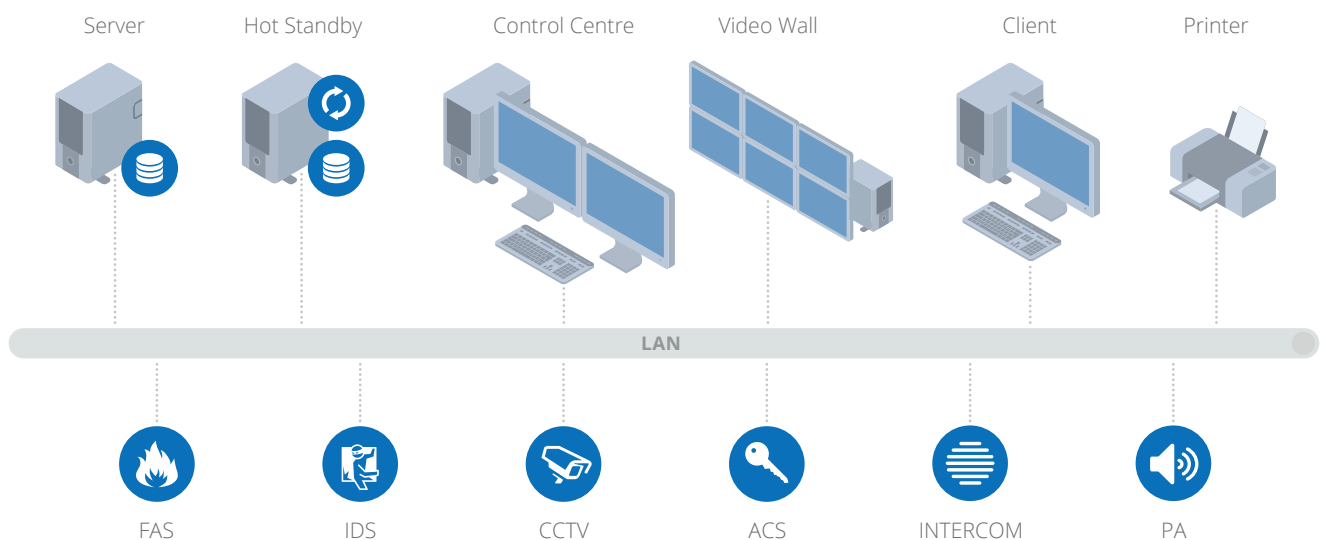
The module "Control Operations" enables planning and execution of datapoint control operations (e.g. activations/deactivations). The particular target state can be monitored in real-time.

Project Example

Comprehensive projects often require numerous resources to realise control operations at technical systems, e.g. to arm/disarm fire detectors during maintenance works. This might lead to the fact that the control centre personnel becomes directly involved in maintenance works and therefore cannot focus on important alarms anymore.

Using the module "Control Operations", persons in charge can register planned control operations via a web form so that these just have to be approved by the control centre. The process is digitised and during the defined time period, the target state of the detectors is monitored to avoid any unnoticed changes made by third parties directly at the systems. The approval as well as the current detector state can be viewed by the applicant. Due to the digitised processes, the module reduces false alarms and helps to detect hazardous situations.

In many cases, fire alarm technology is one of the most important aspects in large installations. Using the WinGuard CAD Support plus, all detector positions and attributes can be automatically taken over into the floor plans. In case of a fire alarm, the specific plan including the alarm-giving detector will be immediately displayed in the user interface.





WinGuard Enterprise

Unlimited scalability and application possibilities

Distributed system with unlimited locations, clients, datapoint units and interfaces. The development of new interfaces is possible.

WinGuard Enterprise is representing multi-location systems, the ideal solution e.g. for distributed stores of a retail chain. With the System Manager module, the control of several independent WinGuard systems spread over multiple locations is possible. The status of each system is shown in a task bar as part of the WinGuard user interface so that the user has a clear overview. Automatic actions can be executed by the system in each connected location, enabling centralised control.

- ✓ Global projects with numerous sites
- ✓ Unlimited number of locations, DPU and clients
- ✓ Autonomous operations of locations
- ✓ Integration of further process-supporting software, e.g. incident management, ticketing or data mining systems

Application Example

Map material can be integrated via the geo data interface, supporting the visualisation of multi-location installations and mobile devices.

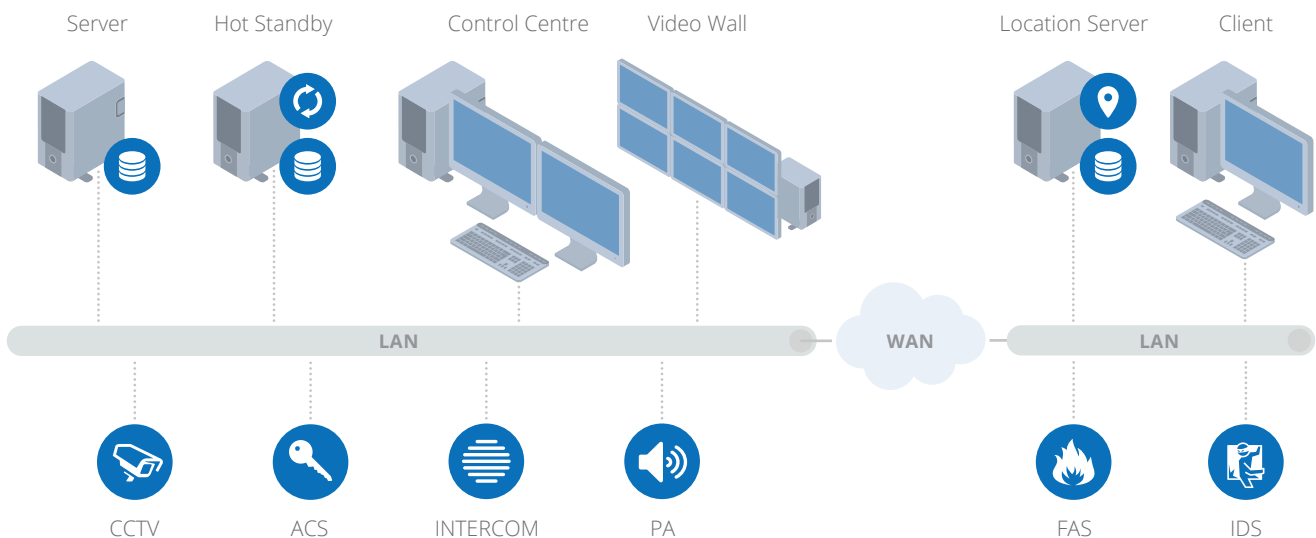
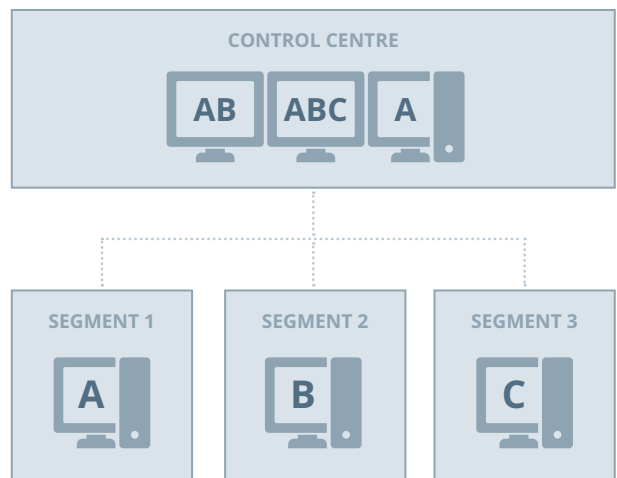
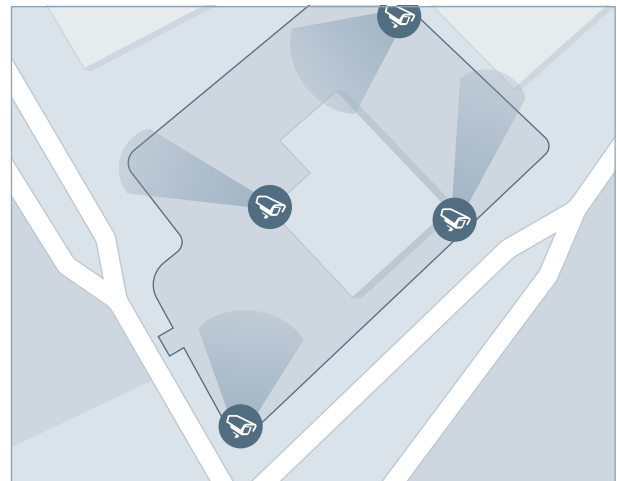
Using segmentation, large projects can be easily managed as the data reception can e.g. be limited to particular locations.

Project Example

Wherever several locations have to be monitored 24/7, a central control room offers the optimal solution to increase efficiency and reduce costs. With location servers installed in the particular locations, WinGuard collects information from all connected systems. Event messages are displayed in a unified user interface at the central workstations.

Especially for comprehensive installations, segmentation offers the possibility to encapsulate single segments (e.g. locations) from data reception so that not only the security will be increased, but also the performance since less data has to be distributed and synchronised within the system.

The use of further data mining tools can optimally complement the evaluation and statistics range. The data collected by WinGuard can be individually displayed (graphics, lists, diagrams) to enable an easy analysis.



Licence Overview

Versions and extensions

	WinGuard X4 EXPRESS	WinGuard X4 BASIC	WinGuard X4 PROFESSIONAL	WinGuard X4 ENTERPRISE
DATAPOINTS				
Datapoint Units	max. 3,000	max. 5,000	max. 25,000	unlimited
FEATURES				
Operator Alarm	✓	✓	✓	✓
Voice and Fax Notification	✓	✓	✓	✓
E-mail Notification	✓	✓	✓	✓
SMS Notification	✓	✓	✓	✓
CAD Support	✓	✓	✓	✓
Virtual Module	✓	✓	✓	✓
Scheduler	✗	✓	✓	✓
Facility Manager	✗	✓	✓	✓
User Management plus	✗	✓	✓	✓
CAD Support plus	✗	✗	✓	✓
SQL Export	✗	✗	✓	✓
WinGuard OPC Server	✗	✗	✗	✓
Geo Information System (GIS)	✗	✗	✗	✓
SYSTEM EXTENSIONS				
Mobile App	✓	✓	✓	✓
Webclient	✗	✓	✓	✓
Client	✗	max. 5	max. 15	✓
Video Display Control	✗	✗	✓	✓
Interface Server	✗	✗	max. 5	✓
Hot Standby	✗	✗	✓	✓
Location Server	✗	✗	✗	✓
System Manager	✗	✗	✗	✓
WORKSTATION EXTENSIONS				
Video Manager	✓	✓	✓	✓
Video Control	✓	✓	✓	✓
Editor	✗	✓	✓	✓
Multi Monitor Support	✗	✓	✓	✓
INTERFACES				
Interface (existing)	max. 3	max. 5	max. 15	✓
Interface (new)	✗	✗		✓

WinGuard Life Cycle Services

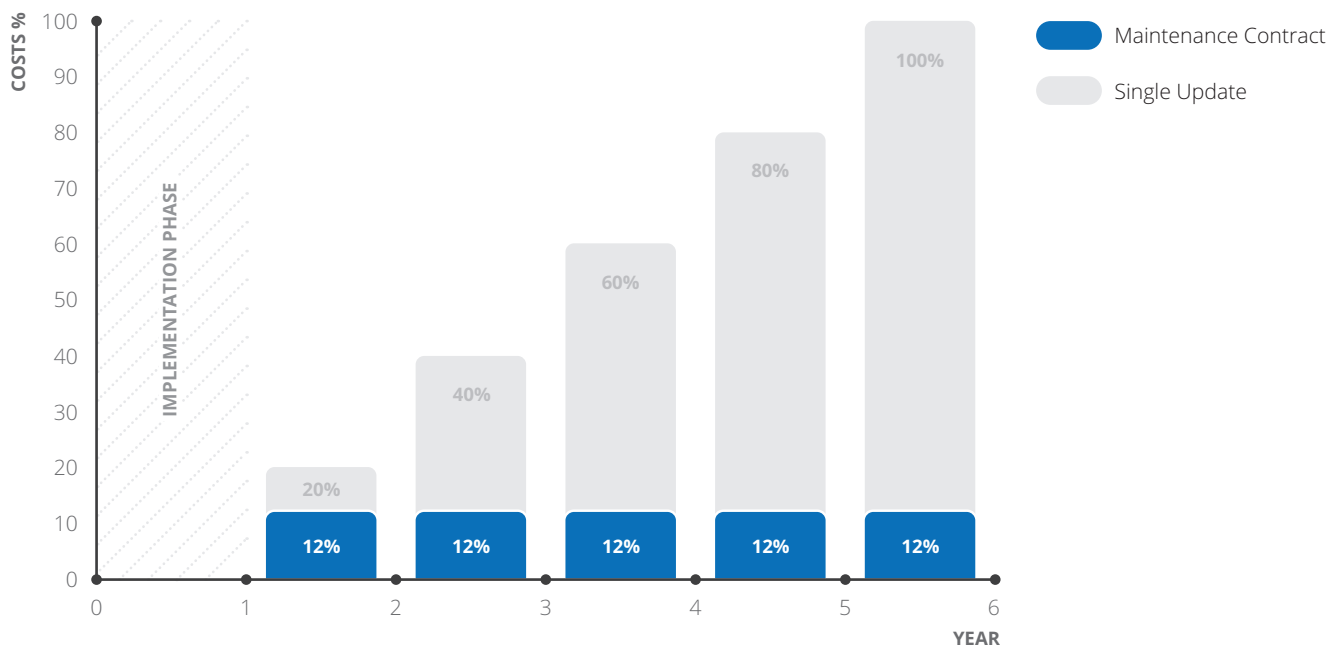
Contract for regular maintenance and updates

Only a constantly maintained system fulfils the strict requirements of a perfect security organisation. New functions in WinGuard as well as interfaces to systems and installations are constantly being developed and already existing ones are optimised in order to adapt the software architecture to the current standards.

In the course of time, lots of customers extend their WinGuard installation with additional function modules and interfaces or they intend to renew computers or the operating system. There are often also changing requirements with regard to the performance of a security and building management system, or new application possibilities come up due to innovations of the connected installations. This is why an update is worthwhile and mostly even necessary. Within 12 months after purchase of a WinGuard system, updates are provided free of charge.

A Software Maintenance Contract ensures that WinGuard always remains up to date and extends warranty for the total contract duration. Furthermore, a Software Maintenance Contract is much more cost-saving and comfortable compared to the purchase of single updates.

- ✓ Yearly updates during the agreed contract duration
- ✓ Extension of warranty for the total contract duration
- ✓ Regular provision of new WinGuard functions
- ✓ Continuous interface updates
- ✓ Free of charge use of support hotline
- ✓ Less expensive and more comfortable than single updates



Success Stories

A selection of the most diverse WinGuard projects



ÖBB-IKT GmbH Austria

"We were searching for a vendor-neutral system, suitable for a nationwide application. Fast reaction times with regard to modification requests and the provision of new interfaces were important as well. Not all management system manufacturers offer these features as a matter of course – Advancis makes the difference!"



ING. WERNER CASETT
Solution Management

Auchan Portugal

"The Security National Centre of Auchan Portugal is a control centre with the purpose to centralise all services and security commands in one place, integrating the various activities of the company: supermarkets, petrol stations, logistics platforms and production units. WinGuard allowed us to develop a robust solution leading to cost optimisation and prevention of hazardous situations. The procedures for event processing have been optimised, focusing on innovation, integration and interoperability."



SILVESTRE MACHADO
Security Director



Europa-Park Resorts Germany

"Being the operator of Germany's largest leisure park, not only the safety of the rides is important. The comprehensive security of our visitors and the monitoring of all electronic devices during daily operation is of highest priority. The WinGuard platform is perfectly implementing our complex security requirements."



MICHAEL MACK
Management

MPL Holding B.V. Netherlands

"The implementation of WinGuard represented an important milestone for MPL. Since 2012 we have a new centralised control room, offering a total integrated solution for security, building and communication management that is operating independently from the installed technical systems."



MARCEL LENTERS
Owner

Versatile Vertical Solutions

Highly configurable platform for any application

Industry

Cross-linked fire alarm and sprinkler systems in spacious industrial plants are clearly visualised by WinGuard. These may be viewed freely in scalable plans or map views. Emergencies can be responded to immediately, thereby ensuring employee safety.

Critical condition messages from different areas can be handed over to WinGuard for detailed processing and reporting. Printout of escape route plans in case of incident can be automated. Use of mobile clients can also leverage limited resources.

Critical Infrastructures

Organisations that are very important for the community require special security. Energy suppliers, waterworks and municipal facilities need early risk detection as well as clear processes in case of an event, in order to avoid supply bottlenecks.

The ideal reaction to any breakdown or impairment minimises the consequences for public safety.

Hospitals

Clinics, assisted living or retirement homes have unique system requirements. By integrating emergency, nurse call and intercom systems, WinGuard offers first responders comprehensive information. WinGuard also monitors the security-relevant building equipment, hazardous materials and control substances.

Finance & Administration

In financial and administration buildings, the full scope of security, building, communication and network technologies is applied. WinGuard's advantage is that it covers the total range of deployed systems. In addition to area and perimeter protection, access control and video monitoring, the technical utilities are also included, e.g. emergency power supply.

Furthermore, there are personal security and communication systems. Defined maintenance intervals can be easily monitored via the Facility Management module.

Transport & Traffic

Airports, rail networks, ports and road systems all have numerous video and emergency call systems deployed remotely. The same applies to parking management systems.

WinGuard enables centralised monitoring in an integrated, well-arranged user interface.

Prison & Forensic

Prison and forensic institutions place high requirements on their security management system. In case of an event, WinGuard is able to cross-reference with an occupant database which provides important occupant information. WinGuard offers multiple layers of redundancy and disaster recovery solutions as required by these facilities.

Data Centres

Data centres are highly secured buildings. In addition to the conventional security systems, environmental conditions such as temperature, humidity or power consumption are all critical elements that require surveillance.

Monitoring these critical conditions allows for events to be generated prior to costly repairs or services needing to be made. Any breakdown of emergency systems, such as uninterrupted power supply (UPS) and generators is detected, for an immediate initiation of the appropriate actions.

>1400

REALISED PROJECTS

worldwide

>70

COUNTRIES

with running projects

>20

LANGUAGES

available in WinGuard



advancis

www.advancis.net