Modernization of your security systems
More than one-to-one replacement

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Modernizing your security systems

Facing many challenges
Enterprises have to tackle numerous challenges. Amongst others, they include ensuring business continuity as well as reacting quickly and flexibly to changing market requirements, customer needs and emerging risks. Having a variety of systems and technologies installed in their building can prevent them from answering these challenges on time. Early modernization can support decision makers and building operators to successfully meet their tasks – and to harness new opportunities to increase their competitive edge.

Good reasons for modernization
Thinking about modernization once a system isn’t working anymore is usually too late. System modernization can be the best option in many situations, for example: introduction of new business processes, a drop in system performance or exploding operational costs due to increased maintenance or false alarms.

System modernization and networking also helps you simplify a complex silo landscape and increase safety and security. Last but not least, modernization provides access to new technologies and improves the comfort level for both your customers and staff.

What is the best way to modernize your system?
A modernization needs to be planned down to the last detail. First, we analyze your existing system, evaluate the relevant features it offers and identify its growth potential. Then, we plan with you new features, applications and service packages – aligned to your new requirements. After budget planning and devising a realistic time schedule based on the modernization concept, modernization will be performed. What’s more, you can also choose a stepwise system modernization.

Paybacks of modernization
Our security Modernization solutions are more than just a one-to-one replacement – and let you benefit from proven and certified solutions. New technologies and new system features open the door to new possibilities and services. Systems with advanced technologies boost business productivity and efficiency because of increased uptime and no interruptions due to false alarms. They can be seamlessly integrated into any infrastructure, including danger management systems, for a higher level of security and peace of mind. And lower lifecycle costs translate into a quick amortization of your investment.

Buildings have to fulfill many criteria, resulting in a constantly growing number of installed technical systems. For building operators, this translates into higher maintenance costs and the need for more resources. They also often face limitations when systems have to be adapted to new business processes, regulations or dangers. Multi-discipline solutions from Siemens optimally network installed systems within a building. This enhances flexibility and efficiency, increases safety and security, and turns a building into a high-performance property with a greater return on investment. But for you to benefit from networking the systems, they need to be up to date.

Our security Modernization solutions are the first step to multi-discipline solutions. Your systems will be modernized to the latest technological standard, step by step. Your advantage: new technologies open up new opportunities and increase the level of security and comfort. Find out how modernization can be more than just a one-to-one replacement.
Modernization of your intrusion detection system

Facing many challenges
Your challenges include having a transparent view on the technical status of your systems, knowing all possible risks as well as complying with industry standards and legal regulations. And while ensuring operational flexibility, you also have to stay within your budget. Our security Modernization solutions help you meet your challenges – and offer you many benefits.

More visibility and flexibility
Features like a modular set-up for different applications, using an open platform and supporting interoperability increase flexibility day by day. Benefits include:
- Investment protection
- Fast adaptation to required functionality
- Reduced operation and intervention time
- Support of business continuity and reliability in an automated way
- No additional costs for monitoring and supervision and less time for operation

Secure investment protection
Modernization to a current intrusion detection system protects your investment for the long term. To support you in dealing with increasing cost pressure, Siemens offers a step by step modernization approach. Your advantage: stepwise payments instead of a single, large investment. Furthermore, using existing communication devices like smartphones or tablets reduces operational costs and allows for faster intervention times.

More than one-to-one replacement
New intrusion detection system provides additional features for more efficiency and employee satisfaction:
- Event-triggered menu navigation
- Precise display of incidents in plain text on the operating device
- Optional touch panel operation
- Optional software for operation and user management via PC
- Mobile operating options (Mac iOS or Android)

Effortless integration and operation
- Interfaces to external management systems
- Integrated access control features
- Possible integration of biometric readers
- Possible integration in current security control systems

Partner with long-term experience
Benefit from comprehensive and time-proven modernization concepts. Take advantage of our experience from numerous modernization projects for smooth transition to a modern intrusion detection system.

Modernization steps

Step 1
Replace control and main operating panel; integrate bus/detectors by gateway or new bus elements

Step 2
Replace existing bus elements and/or enhance application

Step 3
Use new operation capabilities

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Highlights
- Bus technology ensures fast response times during operation
- Incremental modernization
- Existing detector peripherals including wiring can be used
- Option secure remote access (on request)
- Various operating options: from key switches and smartphones to touch panels
- Event-triggered sending of e-mails and/or SMS messages
Modernization of your access control system

Facing many challenges
Always showing what’s happening, reducing the total cost of ownership of your systems, ensuring flexibility for visitors, employees and guests every day – these are the challenges our security Modernization solutions address. A transition to integrated access solutions combines your existing technologies with new technologies and introduces additional features.

A step into the future
Modernizing your installed access control system to the latest components introduces many benefits:
- Complete risk coverage
- High level of flexibility for changing needs
- Simplified infrastructure thanks to integration
- Less unplanned downtimes leading to reduced maintenance costs, also decreasing total cost of ownership

Process optimization and cost reduction
The new access control technology has numerous interfaces for integrated data management. It simplifies the exchange of data with personnel management module, is extremely convenient to operate and reduces process-related costs. These are all good reasons for an incremental transition to cutting-edge technology.

Flexible application
- Configurable for specific requirements, structures and workflows
- Integrated interfaces for time recording and personnel management

Easy to use
- Simple system administration via integration in existing IP networks
- Extremely easy to operate with the user-friendly Microsoft® Windows® interface

Partner with long-term experience
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Modernization of your video surveillance system

Facing many challenges
Always knowing what’s happening, complying with complex laws and regulations, reducing the total cost of ownership of your systems, ensuring flexibility every day – these are the challenges our security Modernization solutions address. A transition to digital video security solutions connects your existing analog installation to the digital world, and has many advantages for your business.

More visibility and flexibility
Modern digital video security components, which can be integrated directly in IP networks, provide maximum flexibility in adapting your system to meet increased security requirements. The integrated technology offers you more than one-by-one replacement. Thanks to an open system design, you also benefit from fast and secure adaptation.

Increased system performance
Modernization to digital, IP-based video security solutions removes the technical limitations of analog systems and thus allows you to immediately and significantly increase your system’s security performance. These are excellent reasons to incrementally integrate cutting-edge technology.

Flexible application
Video formats and compression levels can be selected flexibly depending on the network bandwidth and storage capacity:
– Image quality ranges to far beyond full HD technology
– Transmission without limited reach

Simple use and extendibility
– Intuitive operation software
– Scalable video workstations
– Flexible LAN extension possible

Partner with long-term experience
Benefit from comprehensive and time-proven modernization concepts. Take advantage of our experience in numerous modernization projects for a smooth transition to a modern video surveillance system.

Highlights
- Cutting-edge image analysis
- Monitoring/control of software and hardware functionalities
- Integration into security or building management systems
- Interoperability with other fire protection and security systems required to ensure safety
- ONVIF compliance for the integration of a wide range of IP cameras

Modernization steps:
Step 1
Replace common recorder with NVR hybrid recorder

Step 2
Modernize into IP application

Step 3
Enhance with new applications

Visualization
Control unit
Peripherals

Modernization
Step 1
Visualization operation

Modernization
Step 2
Control monitor
NVR hybrid recorder

Modernization
Step 3
Control monitor
NVR server
IP camera

Modernization
Visualization operation

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Modernization of your security systems

Setting new milestones in building management

Aiming for an integrated management platform.

Buildings are becoming increasingly complex and the expectation of efficient building management is rising, too. The number of installed systems is vast – and the necessity that they are interlinked and communicate with each other is a prerequisite for business optimization and improving efficiency while keeping costs as low as possible.

As a result, the traditional management station as a silo monitoring solution is no longer sufficient. Integrating all disciplines into one management platform becomes a must. New technologies allow for a common, consolidated view of all systems. A consequent and well-planned modernization of the field and control levels allows modernizing the management level next – to reach an integrated management platform.

Get your systems ready for the future – with stepwise modernization and expansion solutions. Set the course for the new building management platform.

Power up your system with the right service agreement.

The challenges are mostly the same: increasing productivity, flexibility and efficiency and optimizing the use of resources – while reducing overall costs and system downtimes. These challenges can be best met with the right service agreement.

The right service agreement includes more than just system maintenance. It also supports adjusting your system landscape to a changing environment and modernizing it to the latest technology – so you can achieve operational excellence by decreasing your TCO. With reports and specific analyses, we help you increase your operational performance and secure the continuity of your business.

Service Modernization solutions from Siemens are part of the lifecycle services. So opt now for a new lifecycle contract or enhance your existing service contract – and the financing of your system modernization becomes part of your service agreement.

Our service offering: Performance Services.

Our comprehensive Performance Services portfolio offers the right level of protection for your needs. Our lifecycle services are a bundle of services that contribute to safeguard the value of your investment over the entire lifecycle of your plants up to modernization. They include preventive as well as reactive services and are tailored to answer technical and normative service requirements.

Modernization offering from Siemens.

System modernization is important to support business continuity and to comprehensively cover all business requirements. Security Modernization solutions from Siemens help you to flexibly modernize your systems step by step – adapted to the different lifecycles of the system components.

Your advantages with Security Modernization.

Modernizing fire safety, security and building automation systems has many benefits:
- Efficiency and productivity increase
- More than one-to-one replacement
- Future-proof and open technology
- Return on investment

Service Modernization solutions – our offering at a glance.

- We offer tailored modernization solutions to meet individual requirements
- We have in-depth experience from successfully realized modernization projects
- We know the business and environmental requirements from all the different industries, for example, from offices to pharmacies to airports
- Our service team comprises highly skilled and well-trained experts
- We offer modernization solutions for fire safety, security and building automation systems
- Modernization can happen step by step or all at once
- We plan a modernization to fit the customer’s budget
- We are a reliable, long-term partner for our customers
- We are a member in all influential bodies, worldwide
- We offer dedicated products/features to support the stepwise modernization

Modernization of your security systems

A comprehensive service offering
When building technology creates perfect places – that’s Ingenuity for life.


With our knowledge and technology, our products, our solutions and our services, we turn places into perfect places.

We create perfect places for their users’ needs – for every stage of life.

#CreatingPerfectPlaces
siemens.com/perfect-places