Begin using tomorrow's security features today.

Advantage Services™:
Life Cycle Management for Security Systems

SIEMENS

Security system modernization

Quality and reliability are the preferences of our world today – both are synonymous with Siemens. Advantage Services™ provides a comprehensive service portfolio for your building's infrastructure covering building automation, fire and security. These services are designed to enhance performance, deliver protection and create real value over the entire life cycle of your facility, thereby allowing you to concentrate on your core business.

■ **System modernization as a life cycle management service**

Security systems fulfil an important need: the protection of people as well as tangible and intangible assets. Effective protection requires careful analysis of the specific risks to people, buildings, systems and business processes. Our approach is structured around meeting your needs by taking a complete view of the role of security within your business and careful integration within your existing operating technologies. We understand that security requirements, risks and business processes change with time and our upgrade solutions offer flexible options for adapting your security investment to meet these changing requirements.

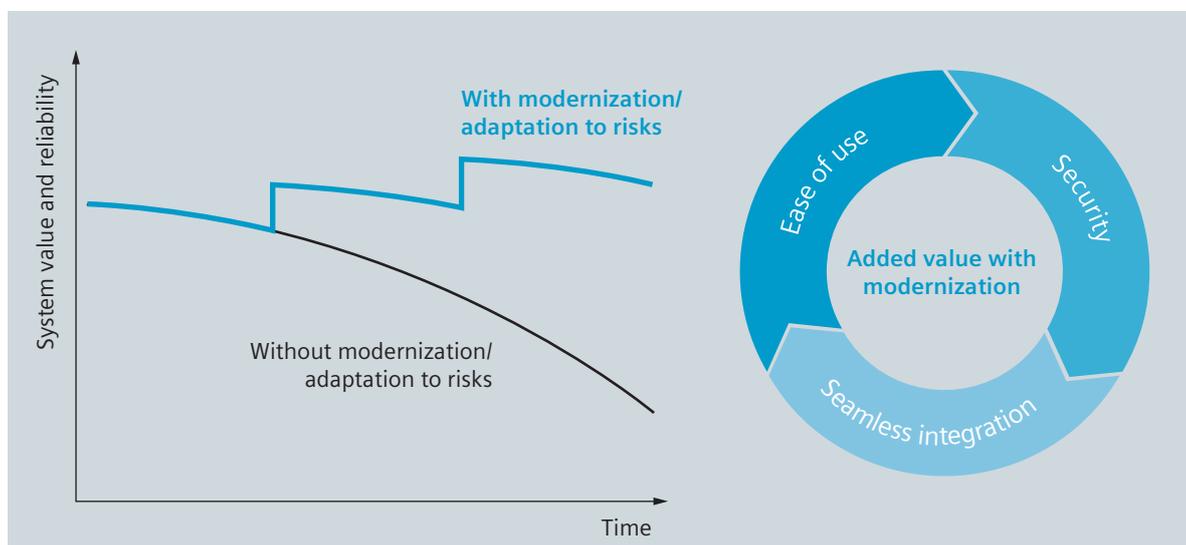## The advantages of modernization

- **Investment protection:**
  Targeted and scheduled upgrade steps help you maintain your system's performance and protect existing investments.

- **Budgeting/financing:**
  Carefully planned improvements can be spread over time and simplify budgeting. Siemens Financial Services also provides attractive financing models for easier investment planning.

- **Reliability:**
  Today's system components help simplify service procedures and improve system operation. For example, periodic remote diagnosis can play an important role in preventive maintenance.

- **Step-by-step to increased security**

Siemens' upgrade paths are not dependent on complete replacement of all hardware and software components, instead we focus on the gradual integration of new components in your system. This is based on our extensive experience of security requirements, our cross-system knowledge and detailed understanding of system components. We work with you to retain as much of your existing equipment as possible while building improvements that will advance the performance of the whole system.

System modernization and adaptation to risks retain system value, increase availability and protect investments.

System value and reliability

With modernization/ adaptation to risks

Without modernization/ adaptation to risks

Time

Ease of use

Security

Seamless integration

Added value with modernization

Business continuity and reliability

Security systems from Siemens are synonymous with meeting your short and long term needs for safety and business continuity. Incremental migration makes an important contribution to achieving these goals. Obsolete system components are upgraded to include the latest technological developments as new security threats appear and to comply with changing legal requirements. The potential for any gaps in security is minimized through targeted migration enabling you to safeguard people, processes, information and assets at all times.

Careful long-term financing

The costs of technology upgrades can be spread over a number of years, this means you can protect your people and your premises with state-of-the-art security without raising large capital sums. Expenses remain transparent and can be covered in individual cases by the budget for ongoing maintenance because each step comprises of measures that have been clearly defined in advance. Careful scheduling can further increase the economic viability of modernization measures because they can be carried out in combination with any planned structural or organizational changes.

Flexible and economical

New components and technologies are adopted to prepare your organization for the security demands of the future. These systems can be used to integrate standalone security systems across networks or manage systems installed in several locations using a single management software application. In addition, migration allows you to interface intruder detection, access control and video surveillance into a single alarm management system. The use of requirement-specific remote diagnosis for maintenance or control, assists in the reduction of service response times.

Our security model

- **Future security:**
  - Modular
  - Compatible
  - Flexible

- **Integrated approach:**
  - Mechanical security measures
  - Electronic security measures
  - Organizational security measures

- **Key elements:**
  - Risk analysis
  - Protection model
  - Operating model
  - Alarm model
  - Intervention model

■ Simple operation and optimum support

Migration simplifies the day to day operation of the security system and supports organizational change and processes. Operating panels with plain text, integrated user guidance and graphical user interfaces are proven examples of user-friendly tools. Furthermore, migration ensures optimum system support due to the use of: new technologies, additional system enhancements, configuration changes and/or fast delivery of spare parts.

■ Experience pays

Siemens is represented on all continents and across many countries. We have extensive knowledge of a wide range of industry-specific security solutions and can provide you with the right support for migration from installation through to comprehensive service offerings.

Advantage Services™ for modernization solutions

Upgrading your security system through incremental migration is a part of Advantage Services™ Life Cycle Management. This can be combined with other Advantage Services to attain sustained high-level system performance while simultaneously improving costs.

■ Preventive maintenance and repair

Causes of potential fluctuations in system performance levels or equipment malfunction can often be recognized in advance and rectified with the appropriate service measures. These can even be supported by remote diagnostics to further enhance preventative measures.

■ Software update/upgrade

Periodic software version updates improve the ability of the security system to adapt to changing conditions. These updates maintain the integrity of the existing system and ensure smooth integration with operating systems and network environments. As the requirements of the security system change, software upgrades with enhanced features can easily be incorporated.

■ Alarm management

Ongoing remote transmission of any critical events as well as regular analysis of all incidents and procedures ensures round-the-clock protection by the security system. Any required intervention by security personnel is carried out in accordance with predefined procedures agreed with the customer.
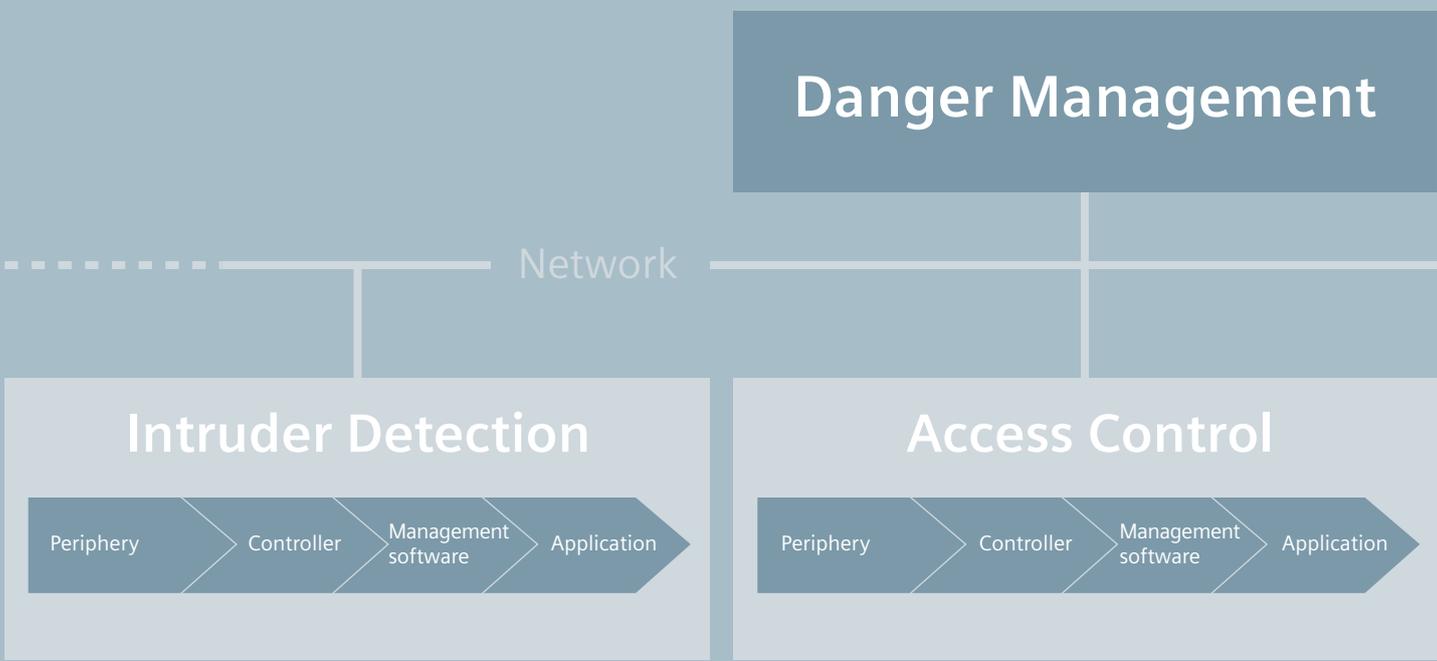
Intruder Detection   Access Control   Danger Management

Danger Management

Network

Intruder Detection

Periphery → Controller → Management software → Application

Access Control

Periphery → Controller → Management software → Application

Intruder Detection

- Facilitates the adoption of existing proven operating and alarm models while implementing new technological possibilities
- Enables modernization in steps (control unit / operating component – bus system – detector)
- Minimum interruption due to our knowledge of the procedures and the infrastructure
- Use of existing lines and peripheral devices without detector adjustment
- Inspected according to the newest European security guidelines EN 50131 to ensure long-term approval

Access Control

- Improved business processes due to technical and operative support of daily operations
- Avoids additional administrative effort by adopting customer-specific master data
- Performance check prior to beginning migration to minimize costs
- Seamless integration within existing IT platforms and network environments (LAN/WAN)
- Permits integration of existing system peripherals
- Allows simultaneous use of two system generations by implementing combined card readers
- Support for future extensions (SmartCard)

Video Surveillance

Fire Safety

Comprehensive Danger Management

- Unified, optimized danger management for various security systems
- Innovative system interfaces for integration of security systems that were previously standalone systems
- Incremental hardware and software migration in line with required changes to the security model
- Scalability provides flexibility for changed requirements and new applications

Video Surveillance

Periphery → Controller → Management software → Application

Fire Safety

Periphery → Controller → Management software → Application

Video Surveillance

- Allows separate upgrade of system peripherals and recording devices (controller)
- Simultaneous operation of analog, digital and IP/web components possible
- Uses the existing network infrastructure (LAN) and minimizes need for additional cabling
- Permits networking of several locations with simultaneous central or peripheral display and analysis
- Allows implementation of video analysis software with features such as motion detection and tracking

Fire Safety

- Detailed information relating to the existing operating and alarm organization
- Allows incremental modernization of detectors and control unit
- Further usage of existing infrastructure (bus systems and cabling, primarily detector sockets)
- Permits improvement of individual floors in buildings
- Open for system extensions and usage modifications
- Inspected according to the European EN 54 guidelines to meet requirements issued by public authorities

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