SIEMENS

Ingenuity for life

Siveillance Control Pro secures your critical infrastructure

Integrated security management with reliable and coordinated response for emergency and routine procedures

Ensuring security, safety and business continuity

From protecting employees, local communities or corporate reputation to preventing financial losses due to production disruptions, today's companies are faced with a multitude of security-related challenges: any disruption to production, business processes or services, whether it is accidental or a deliberate attempt to cause damage or theft, costs industries billions of dollars every year, not to mention the potential cost to human lives or the environment. Ensuring the safety of your staff and the community as well as maintaining business continuity requires effective planning, communication and resource coordination of all actions from a single point.

The command and control solution from Siemens, Siveillance™ Control Pro, is specifically designed to support security management at critical infrastructure sites, industrial complexes, campus-type environments or multi-site applications. It offers precisely the kind of real-time support needed to react effectively to security and safety incidents at any time.

Intelligent command and control solutions

All-in-one security management

Siveillance Control Pro is specifically designed for use in critical infrastructure like airports, ports, mass transportation, energy as well as industrial complexes like oil and gas, chemical and pharmaceutical, heavy industries or campuses, e.g. higher education. As an integral part of the Siveillance family, this solution provides reliable, scalable and efficient security management by combining multiple safety and security subsystems with command and control features. This unique approach enables fast and effective decision-making for managing daily routine operations and time-critical processes, as well as crisis and emergency situations.

Open and flexible integration

Using open interfaces and powerful integration means, Siveillance Control Pro interacts with various subsystems such as access control, video surveillance, fire alarm systems, emergency call systems, telephone, radio communication, mass notification, etc. These subsystems are traditionally run independently from each other or as inter-related systems. Their consolidation into one platform provides security managers with an enhanced situational awareness, streamlined operations and faster response coordination.

Intuitive graphical user interface

Using a Geographic Information System (GIS), incident locations or the actual position of resources are automatically displayed on maps or site plans. Resources and important assets can be located on floor plans even within a building. Supporting information is displayed as needed, thereby ensuring user-friendly operation. Situational awareness can further be enhanced by integrating Siveillance SiteIQ Wide Area, the innovative solution for intelligent video analytics and site protection. Seamless integration between the two systems drastically improves the security of your site.
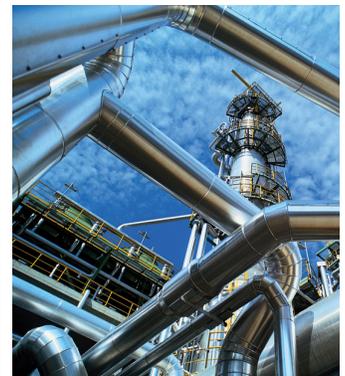
Increased effectiveness while minimizing errors

Well-defined security policies are essential for running operations in critical environments. Detailed action and response plans need to be defined for a broad variety of possible incidents and scenarios. Siveillance Control Pro fully conforms to the specific corporate security policies and offers a role-based user concept, defining appropriate actions and countermeasures for managing daily routines, time-critical processes, crisis and emergency situations. This dramatically reduces the incident response time and minimizes potential errors in the decision-making process.

- Integrated command and control solution for critical infrastructure, industrial complexes and campuses
- Complete situational awareness
- Fully customizable to align with all relevant security policies
- Workflow-based decision support increases effectiveness while minimizing errors
- High reliability through proven redundancy concepts avoiding downtime
- Easy operation through web-based user interface and graphical visualization
- Comprehensive service port-folio to support you throughout the entire life cycle

Siemens – a synonym for quality

Siemens brings decades of experience and know-how in the development, solution design, engineering, implementation, maintenance and monitoring of security solutions. Benefit from this expertise and innovative technology to manage all of your security and safety needs more effectively. Ensure security, safety and business continuity with this modular and scalable solution for critical infrastructures.

Cope better with any challenge

Due to the modular structure, high flexibility and exceptional reliability of the Siveillance Control Pro command and control solution, critical infrastructure can better cope with any challenge.

Alarm management

Siveillance Control Pro offers a wide variety of functions supporting the management of detectors and various alarm systems. Signals from these systems can be displayed and handled with dedicated pri-orities, to ensure that the most critical incidents are treated first. Customer'ssystem structures and hierarchy can be implemented.

Open interfaces

Siveillance Control Pro utilizes standardized, open interfaces to flexibly connect a wide variety of customer-specific subsystems. OPC is one of the most popular standards in process automation that provides extensive capabilities for exchange of data and information with subsystems. Additionally a powerful Software Development Kit (SDK) is used to tailor interfaces using open, state-of-the-art SOAP*-based communication. Furthermore, it is possible to automatically retrieve the subsystems' engineering data and match sensor locations to floor plan drawings, provided that information is available in a structured way.

*SOAP is a network protocol facilitating data exchange between systems.

Integrated communication functions

Through third-party integrations, selected communication functions can be used directly in Siveillance Control Pro allowing critical infrastructure operators to manage their resources effectively.
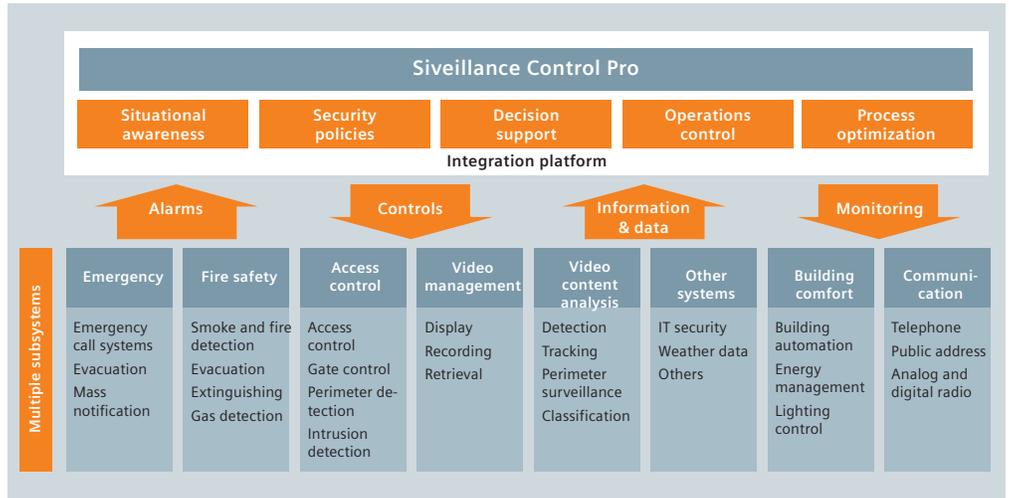
For any incoming phone call, the system recognizes the caller's number and – if configured to – routes the call to a dedicated team of operators according to the requested service. Caller data, such as name and location, are identified and the location is displayed in the GIS.

Siveillance Control Pro also offers integrated control for communication with on-site resources via analog radio or TETRA digital radio communication. A two-way communication between control center and resources is available via smartphones or tablet PC, ensuring seamless and uninterrupted communication.

Siveillance Control Pro is the ideal solution for critical infrastructure.

Improve situational awareness and control of your site with consolidated subsystems, e.g. by integration of video technology. The intelligent video analytics, such as Siveillance SiteIQ Wide Area, can cleverly detect a wide variety of incidents and create alarms. Integrated as part of the command and control solution, these alarms can be effectively used to obtain complete situational awareness. To avoid information overload, operators are shown only information relevant to the actual situation.

Siveillance Control Pro

Situational awareness	Security policies	Decision support	Operations control	Process optimization

Integration platform

Alarms | Controls | Information & data | Monitoring

Multiple subsystems

Emergency	Fire safety	Access control	Video management	Video content analysis	Other systems	Building comfort	Communi-cation
Emergency call systems	Smoke and fire detection	Access control	Display	Detection	IT security	Building automation	Telephone
Evacuation	Evacuation	Gate control	Recording	Tracking	Weather data	Energy management	Public address
Mass notification	Extinguishing	Perimeter detection	Retrieval	Perimeter surveillance	Others	Lighting control	Analog and digital radio
	Gas detection	Intrusion detection		Classification			

Flexible architecture

Based on robust architecture, the platform's graphical user interface provides an intuitive, hierarchical structure for status information, events, resources and actions. The Zero Administration Client concept minimizes the installation and maintenance efforts throughout the setup process and live operations. Updates can easily be implemented – even without any downtime or interruption to operations. Role-based responsibilities of operators and a flexible web-based client concept support central as well as decentralized organizations and processes.

Advanced operations management

In addition to the pure display of alarms and incidents, each signal can be associated with defined actions, which are then proposed to the operator, depending on the actual situation. These actions fully reflect the predefined security policies. The progress and completion of these tasks is logged and the data can be used for continuous improvement of the security operations.

Coverage of large geographical areas

Siveillance Control Pro fully supports the management of large areas or multi-site applications. As basis for controlling the operations, all events are exactly located on maps and site plans according to a geo-referenced data structure. For critical infrastructure, not only can the respective site be covered but the surrounding area can also be displayed including structures such as streets or points of interest.

Resource management

As an option, Siveillance Control Pro includes the management of security forces. Displaying the status of the available resources, including their actual location in the map and proposing the most appropriate resources to the operator, are just some of the key functions. Automatic or semi-automatic alarming and dispatch of the resources, transmission of task-relevant information and logging of operational progress are further features that correspond to the requirements of some critical infrastructure. Finally, for integral communication between the command and control center and the forces in larger security organizations, the Siveillance Control Pro Mobile Web client can be implemented.

Designed to meet even the toughest demands

Siveillance Control Pro is designed to support professional security organizations. Highest scalability allows for handling of thousands of events per day through multiple operators working in parallel, each one within his specified areas of responsibility. The system is based on an Oracle® database, which contributes to highest system availability and reliability.

- Seamless integration of various alarm and communication systems, adaptable to suit changing requirements and therefore future-proof
- Clear graphical visualization using site plans and maps to create the best possible understanding of the situation
- Flexible and role-based operation via intranet or Internet
- Targeted control of all operations instead of just managing alarms
- Understanding of individual requirements thanks to industry-specific know-how

Our world is undergoing changes that force us to think in new ways:
demographic change, urbanization, globalwarming and resource
shortages. Maximum efficiency has top priority – and not only where
energy is concerned.In addition, we need to increase comfort for the
well-being of users. Also, our need for safety and security is constantly
growing. For our customers, success is defined by how well they manage
these challenges. Siemens has the answers.

"We are the trusted technology partner for energy-efficient, safe and
secure buildings and infrastructure."

Trademarks