



Command and control:

Ensuring safety and security

Safety and security are among the most basic human needs. An essential prerequisite for responding quickly to incidents is the effective planning and coordination of all response actions and preventive measures. The user-friendly and innovative Siemens security solutions with Siveillance provide an integrated approach to security – illustrating how different products and systems can be configured to work efficiently in individual environments, whether they are intervention forces or operators of critical infrastructure facilities.

Megatrends such as demographic change, increasing urbanization, climate change, and the globalization of the economy shape our thinking, behavior and business models. They also increase the human need for safety and result in ever more demanding requirements for security solutions. Effective security means gradually eliminating all threat of danger. Without a doubt, prevention is the most important aspect. By identifying, tracking and dealing with any potential incidents before they occur, it is possible to prevent a situation from escalating beyond control. However, if an incident does occur, it must be identified quickly and accurately. This, in turn, forms the basis for fast and appropriate response. Ultimately, security also means limiting the impact of an incident and facilitating rapid recovery.

Siemens offers decades of experience and expertise in the areas of consulting, solution design, installation, maintenance, upgrading, and monitoring of safety and security systems for a broad range of commercial and public sector customers. With the Siveillance family Siemens offers a portfolio of integrated, forward looking and user-friendly security solutions that makes it possible to better meet ever growing security challenges both today and in the future. The Siveil-

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lance family unifies the entire security portfolio under one roof, including command and control, security management stations and wide-area surveillance solutions.

Innovative command and control platform for first responders

For intervention forces such as police, fire departments, emergency and ambulance services, a complete overview of the actual situation and the available operating resources are vital when making the appropriate decision for dealing with an incident.

With Siveillance Command, the advanced networked command and control platform which was developed for the emergency response of professional organizations deploying intervention resources, Siemens offers precisely the kind of real-time support function and information needed to react effectively to an incident at any time – and to save lives.

But what would be the key requirements for a command and control solution used by intervention forces and first responders? First of all an integrated command and con-

trol solution must be highly flexible and adaptable to specific requirements.

In addition, it must provide features like visualization to ensure situational awareness, scalable and application/customer-specific functionalities, efficient resource management and computer-aided dispatch, or highest reliability through proven redundancy concepts.

Siveillance Command unifies all of the tools necessary to effectively manage and control intervention forces, enabling immediate and appropriate response to emergency incidents within guaranteed reaction times. The solution provides a role-based user concept and allows even multiple authorities to run operations on the same platform, with each having restricted access to data and processes within their area of responsibility. It allows integration of various communication systems, both alarm systems and non-security systems, to be fully adapted to the user's organization and work processes.

The private sector is also faced with many different safety challenges, ranging from

protecting employees, the local community, and the company's reputation to preventing financial losses caused by the disruption of production processes.

Interruptions to production, to business processes, or to the movement of persons and goods—whether they are due to unfortunate circumstances, sabotage or theft—can cost billions every year, not to mention endanger human lives and the environment. Ensuring the safety of employees and the public while maintaining business continuity requires effective planning, communication, and coordination of safety and security measures from a central location.

A sophisticated command and control solution for critical infrastructures

In order to address the needs of companies managing the security of critical infrastructure sites such as ports, airports, energy, oil and gas, petrochemical, heavy industries, and campuses, Siemens developed Siveillance Vantage. It is a workflow-oriented, redundant, and networked system which incorporates an integration platform for security, as well as communication subsystems.

As an integral part of the Siveillance family, this fully customizable solution provides reliable, scalable, and efficient security management by combining intelligent video capabilities 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.

Using innovative software, Siveillance Vantage not only allows customizing and integrating of security policies and procedures. Due to its open and flexible architecture the solution allows the convergence of multiple safety and security systems such as access control, video surveillance, fire alarm systems or communication systems to be operationally integrated into a common platform providing security managers with an enhanced situational awareness, as well as streamlined operation and faster response coordination.

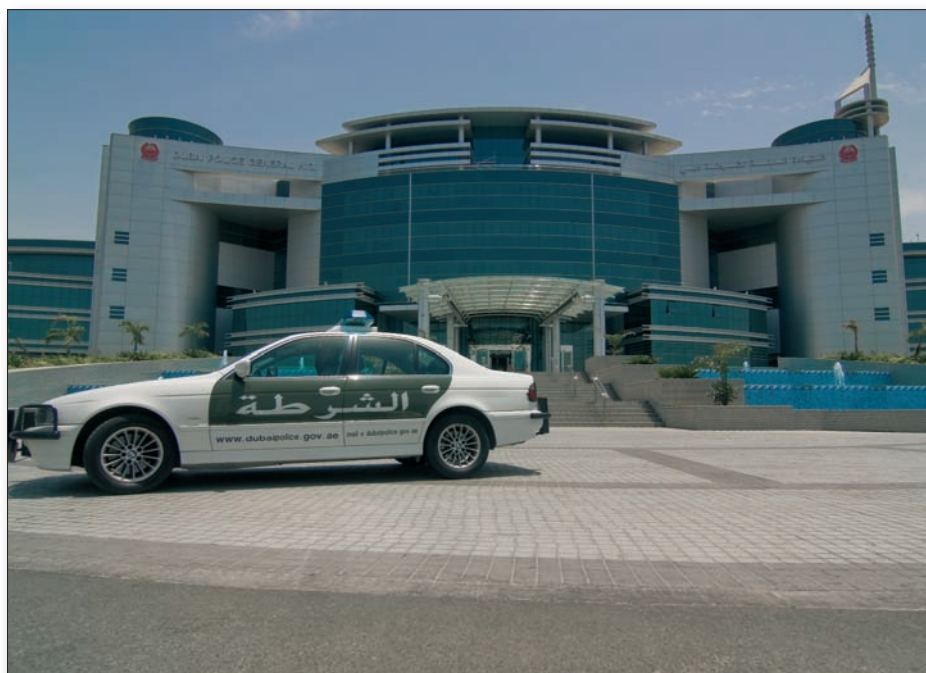
Answers to security questions of today and tomorrow

The past years have significantly raised the profile of security - more and more companies are demanding comprehensive security concepts that support business continuity and profitability. Such solutions are increasingly being influenced by progress in the IT sector. The rapid pace of technological deve-



lopment on various fields makes integrated solutions possible. With the comprehensive, sophisticated and user-friendly solution, Siemens acts as more than just a security supplier – thus forming an operational element within the business, helping organizations

to achieve their business targets. In brief: Siveillance security solutions provide answers to the toughest security questions of today and tomorrow.



Siemens equips Dubai Police Headquarters with cutting-edge security capabilities for full situational awareness

One of the world's most technologically advanced police command and control centers enables Dubai Police to fulfill its long term strategic goal of maintaining its status as a modern, high-tech police and protection force. Siemens equipped the building in the heart of the city with communications technology, IT infrastructure, software and security technology.

The Dubai police headquarters building features a nation-wide, totally integrated high-tech command and control solution, providing state-of-the-art surveillance, security and response capabilities and enabling the police, the fire department and ambulance

services to respond swiftly and work together effectively.

Opened in 2006, the facilities and equipment in the Command and Control Center (CCC) were designed, supplied, assembled and integrated by Siemens, who also provided additional services such as organizational change and training, all on a turnkey basis. Siemens' solution was most suitable to meet the client's specific project requirements such as total integration, the ability to customize and adapt to existing processes as well as optimize new functional and operational processes, sophisticated reporting capabilities, nation-wide wireless IP network, or a turnkey integrated command room.

Since the launch, Siemens has retained and won contracts continuously for the CCC, ranging from maintenance and upgrades, to



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development and expansion to the coverage network. In recognition of appreciation for the continuous work conducted at the CCC and as a confirmation for being a reliable partner, Siemens has been honored with an appreciation award from the Dubai Police in 2010.

The center incorporates a fully networked communications, monitoring and incident response system. These tools give access to a wide range of functions. For example, operations supervisors can use the system to immediately request images when an emergency is reported. Within seconds, the emergency scene is shown on a 12 meter wide screen that displays images from security cameras and satellites. The networked cameras provide a 3D view of the entire emirate. And for mission planning, the system automatically recommends which routes the fire engines should take, or how the scene of an accident should be secured. This also makes it easier to track down offenders.

The solution was able to demonstrate its effectiveness in an incident that became public when a man was assassinated in a luxury hotel in Dubai. With the aid of the

images provided by the surveillance system, Dubai police were able to reconstruct practically every movement of the alleged perpetrators in connection with the killing.

In brief

Siveillance Command from Siemens is an innovative, state-of-the-art command and control solution unifying all the tools required to effectively coordinate all response teams, including fire department, police, ambulance, and security services. Siveillance Command supports a broad-based approach to public safety and incident response.

For crucial operations, this platform offers exactly the kind of real-time functions and information needed to efficiently respond to incidents at any time. Siveillance Vantage is an innovative,

sophisticated software solution for security command and control centers, specifically targeting applications in critical infrastructure markets. As a workflow-oriented, redundant, and networked system, it incorporates an integration platform for security and communication sub-systems. Siveillance Vantage supports all processes and operations in today's command and control centers and can be easily customized to comply with customer-specific security policies and processes.

www.siemens.com/industry
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ONVIF

Conformant Products Reach 600, Doubled In Just 3 Months

ONVIF, the global standardization initiative for IP-based physical security products, today announced that the number of ONVIF conformant products, including network cameras and video management systems, has reached over 600. The rapidly increasing number of ONVIF conformant products is making it easier day by day for end users, integrators and consultants to build best-of-breed security solutions from multiple vendors. And with the recently released ONVIF Core Specification 2.0, ONVIF is now extending the reach of its specifications to video storage, display devices, video analytics and several other areas. All in all, this means that ONVIF is getting even closer to the goal of facilitating simple integration of IP-based physical security equipment using a global open network interface. [www.onvif.org]

Gunnebo China

Safe order from Hitachi

Gunnebo Security Group's Chinese sales company has received an order of 500 ATM-safes from Hitachi. Order value amounts to some 0.5 MEUR. "Gunnebo received this prestigious order very much thanks to our CEN-certification* on ATM-safes. The certification was a requirement from Hitachi which not many of our com-

petitors in Asia has", says Tomas Wängberg, SVP Secure Storage at Gunnebo. "Hitachi is a global company that puts high demands on their partners. The Key Account Management concept that Gunnebo started in 2010 is another very important factor that contributed to us securing this order." [www.gunnebo.com] [www.awards.frost.com]

Bosch Security

Dubai Airport choiced Public Address & Emergency System



Dubai International Airport is home to world's largest Praesideo Public Address and Emergency Sound System. With more than 120 Active Line Arrays, 3500 ceiling speakers, 250 sound projectors and 400 XLA Line Arrays, the extension of Dubai International Airport with Terminal 3 and Concourse 2 is a huge Praesideo-controlled installation. All these speakers are driven by more than 300 amplifiers interconnected with 125 Cobranet units in a

single system controlled by 44 Network Controllers in a redundant configuration that is fully EVAC compliant.

Moreover, it is just what this absolutely no-compromise, high-quality customer experience demanded for the main hub of the United Arab Emirates' main carrier: Emirates Airline. Terminal 3 is perhaps the most powerful example yet that Dubai International Airport is totally committed to comfort, style and professionalism.

The heart of the system

The central control of this system consists of a software application provided by the Building Information System (BIS) from Bosch. It is the heart of the system that takes care of central logging, redundancy handling, PC call-station functionality and the interfacing to the automatic announcement system, as well as other airport systems such as the fire alarm, flight information and building management systems.

Innovative thinking

Given the size of this project, new ways of designing, logistic processing and shipments needed to be developed on the fly. For the special architecture of this airport, the German company Rahe-Kraft was subcontracted to provide an optimal acoustic design to meet the customer's specifications. This was proven during a successful trial period that ended in October 2010. [www.boschsecurity.com]