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GIT SECURITY EMEA

MAGAZINE FOR SAFETY AND SECURITY

79 824

Video Surveillance

Security for Airports and Ports

IFSEC 2015

Fire Protection

GIT SECURITY AWARD

COVER:

VANDERBILT INTERNATIONAL: 100% Focus on Security

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IFSEC 1.1

After their debut in London last year, IFSEC and FIREX will be opening their doors again from June 16th to 18th at the Excel Center.

2014 was a transition year for the exhibitions with the move of the shows from Birmingham to London. Most exhibitors were happy with the new location and it was well accepted by the visitors last year. The basic work is done, now it will be interesting to see if the show in the second year attracts more end-users, integrators and consultants from other countries outside the UK.

The show structure organized by the different show areas including Safe Cities, Intelligent Buildings, IT & Cyber Security, Video Surveillance & Intruder Alarms, Integrated Security Solutions, Access Control and Perimeter Protection will guide visitors to find what they are looking for. Dedicated education sessions are a good addition to the companies' offerings on the show floor. It seems like the organizers have done their homework.

I will have a closer look on how the show and the exhibitors reflects the changes in the industry in their presentations, the integration of access control and video, the different methods to upgrade to HD video solutions and of course how the market leaders present their vision of the future in the security and fire protection business. For the first time Vanderbilt International will have an appearance at IFSEC, it will be their coming-out party. We will see separate stands of Canon and Axis and the first appearance of Seetec after the acquisition through OnSSI. If you attend the shows, have a look at preview for IFSEC and FIREX in this issue and the company info showing what you can expect at the show.

And if you have a free minute during the show, please feel free to visit our stand B1735 in London.

Enjoy reading this issue!

Heiko Baumgartner
For GIT's Safety and Security team

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Dallmeier

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IN SECURITY SOLUTIONS

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June 16–18, 2015

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Day Night

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Fujinon. To see more is to know more.

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Health and Safety Accreditation for Dallmeier

Dallmeier UK has been awarded accreditation from Safecontractor for its commitment to achieving excellence in health and safety. Safecontractor is a leading third party accreditation scheme which recognizes very high standards in health and safety management amongst UK contractors. The company's application for this accreditation was driven by the need for a uniform standard across the business. Over 210 major UK nationwide businesses from several key sectors have signed up to use the scheme when selecting contractors for services such as building, cleaning, maintenance, refurbishment or electrical and mechanical work.

www.dallmeier.com

Andreas Beerbaum Returns to SeeTec

Starting April 1, Andreas Beerbaum will take over the overall responsibility for sales at SeeTec in Bruchsal again. He has a proven track record with several leading manufacturers in the video security industry and has already held a leading sales position at SeeTec between 2008 and 2013. Stephan Rasp, CEO, is excited about the return: „I am glad that we've succeeded in winning Andreas Beerbaum as one of the most skilled persons in the IP video industry back to SeeTec. His experience in setting up new key partners all over Europe and his profound knowledge of project business will particularly help us to address new segments and markets."

www.seetec-ag.com

The Merger of Dorma and Kaba Creates Second Largest Supplier

Dorma and Kaba recently announced merger plans, which could have an interesting impact on the physical access-control industry in the coming years. Dorma is a provider of access solutions, door closers, automatic door systems and glass fittings and related services while Kaba is a global player for access control, enterprise data collection and key systems. According to the most recent IHS report on electronic access control, the merger of Kaba and Dorma would make the combined company the second-largest player in EMEA's access-control industry, second only to Assa Abloy. While this merger is more complementary in terms of existing portfolios, we can expect to see even more mergers and acquisitions surrounding video surveillance, access control and other disparate systems in the next 12-24 months. **technology.ihs.com**

Suprema Adds Biometrics to Axis System

Suprema, a global provider of biometrics and security technology, has announced that their biometric devices can now be paired with Axis Communications A1001 Network Door Controller through Entertech Systems' Bioconnect 3.0 identity management platform. The integration allows A1001 users to access individual user biometric templates without having to manage the dual data entry traditionally found in standalone biometric solutions. This is accomplished by the real-time seamless synchronization of biometric technology through the Bioconnect application.

www.supremainc.com

Vivotek Cameras Integrate in Cloud Service

Vivotek has forged a strategic cooperation with Genetec, a global unified IP security solutions provider. The integration of its cameras will support Stratocast, Genetec's cloud-based video surveillance service, and ensure upcoming support for its H.265 cameras in their Security Center product using their recently released Cloud Link protocol. Small and medium-sized businesses (SMBs) can take advantage of the camera integration to deploy a highly affordable and convenient cloud-based video surveillance system that they can access from any internet-enabled device. As demand for higher resolution and clearer video quality grows, H.265, the high efficiency video codec technology, continues to drive market interest, bringing reduced bandwidth through greater video compression. **www.vivotek.com**

Comprehensive Bosch Security Solution for Porsche Center

Bosch Security Systems has installed a complete networked security solution in the new Porsche Center in Mannheim, Germany. The solution includes fire and intrusion detection systems, access control, video surveillance, a voice evacuation system, the lighting systems and the IT infrastructure. Bosch installed the series 5000 modular fire panel with a tightly coupled Plena voice evacuation and public address system. The Platform 5000 modular alarm intrusion detection system was integrated with the video surveillance solution and non-public parts of the Porsche Center are secured by a networked Matrix access control system.

www.boschsecurity.com

Zenitel acquires Nor-Electronics

Zenitel, a provider of integrated security communications, is to acquire 100% of the shares of Nor-Electronics to strengthen its position in the oil and gas and industrial markets. Nor-Electronics is specialized in Public Announcement solutions for the oil and gas segment. It has an annual turnover of approximately 3 million Euro and a recurring EBITDA margin exceeding 10%. **Martin Helleland**, MD of Nor-Electronics said of the agreement: „The Company has been growing steadily over the past 13 years and to continue its growth it is good to become part of the Zenitel Group". By acquiring Nor-Electronics, Zenitel is further strengthening the well-known VingtorStentofon brand. **www.zenitel.com**

Milestone Systems Opens New UK Headquarters

Milestone Systems, the IP video management software (VMS) company, hosted more than 100 of its UK partners, customers and key media representatives at its new UK and Ireland headquarters in Reading on April 28. „It is great to celebrate this important stage in Milestone's development in the UK by moving into the M4 'Silicon Corridor'. It marks the beginning of a significantly increased investment in supporting our partners in the UK and Ireland," said Chris Whitting, General Manager. „Partners are welcome to use our state-of-art demo facilities to help train their people in our technologies and demonstrate solutions to prospective customers." **www.milestonesys.com**

EN 15684 Certification Achieved for Xesar and Airkey

As one of the first suppliers in Europe, EVVA Sicherheitstechnologie has reached EN 15684 certification to class 1.6.B.3.A.F.3.2 – and with it an important milestone – for the Xesar and Airkey electronic locking systems. EN 15684:2012 is the equivalent to EN 1303, the mechanical locking cylinder standard. It contains the requirements and the test procedure for mechatronic locking cylinders. Both the Europrofil as well as the Swiss Round Profile RP22 are tested. **www.evva-airkey.com**

Idis and 4Sight Number Plate Recognition Solution

Idis, a global surveillance solution provider, and 4Sight Imaging, an imaging technology company, have announced the successful integration of DirectIP with Veracity, a powerful and intuitive Automatic Number Plate Recognition (ANPR) software engine. Proving ten times more accurate in independent comparative testing, the solution combines image analysis technologies with HD cameras, leveraging the latest system architectures and advances in solid state lighting to allow a wide, multi-lane field of view that is accurate across a wide range of weather, lighting and plate conditions. **www.idisglobal.com**

Strategic Alliance between ISS and Barco

Barco, a supplier of collaborative visualization for control rooms, and Intelligent Security Systems (ISS), a supplier of IP video surveillance, video analytics, facial recognition and license plate recognition, have announced their strategic alliance. It focuses on the software integration between the latter's SecurOS platform for video management and analysis and Barco's Control Room Management Suite (CMS). The software integration offers control room operators greater situational awareness and shorter reaction times thanks to the drag-and-drop functionality. **www.barco.com**

Dorma and Kaba Announce Merger Plans

Kaba Holding, headquartered in Rümlang (Switzerland), and family-owned Dorma Holding, headquartered in Ennepetal (Germany), plan to merge to become the dorma+kaba group. A corresponding transaction agreement has been signed. Dorma is a provider of access solutions and related services in door closers, automatic door systems and glass fittings. Kaba is a supplier of access control, enterprise data collection and key systems. Ulrich Graf, Chairman of Kaba, said: „The combination of the two strong brands Dorma and Kaba will result in the creation of a leading company in our industry." Kaba will hold an Extraordinary General Meeting on 22 May 2015 for approval of the merger. **www.dorma.com**

Comelit IP Door Entry System for Luxury Apartments

Working in partnership with property developers, Land Charter Homes, Comelit UK has supplied an IP-based door entry system for an 8-storey office block in Chelmsford city center that has been converted for residential use into 33 luxury apartments. Essex-based Frost Brothers installed a dedicated LAN for the ViP system. The development uses the latest in IP door entry technology and a smartphone app also offers Canside residents the freedom to receive audio and video calls from the external unit directly to a smartphone or tablet via their Wi-Fi network at home and through a 3G data connection when they are away. **www.comelitgroup.com**

Hikvision Hosted First European Distributors' Conference in Lisbon

Six special guests were given a chance to speak at the recent European Hikvision Distributors Conference, following the introduction of their respective Sales Directors from Italy, North-West Europe, Central and Eastern Europe, UK, Israel and Russia. Each of these distributors shared their story and a sense of belonging to the Hikvision family. The Security & Fire Market Analyst Aaron Dale from IHS research was also invited to the event, and brought figures and market trends for the forthcoming years. In 2013 Hikvision Global market share has reached 11%. **www.hikvision.com**

Mission 500 Completes Sixth Annual Security 5K/2K

Mission 500, a non-profit initiative dedicated to serving the needs of children and communities in crisis, raised more than $120,000 at ISC West this year through their sixth annual Security 5K/2K Run/Walk and other events. George Fletcher of Mission 500 said, „We are truly grateful to each and every corporate and individual sponsor that helps Mission 500 provide food, supplies, clothing, medical attention and education to children here in the US and around the globe." Proceeds from the April 16th event will support children in the U.S. through the Rebuilding Hope at Home program, as well as disaster response and training for community organizations to empower young people. A portion of the proceeds will also support children in Tanzania and India by providing access to clean water, food, education, and healthcare. **www.mission500.org**

Winsteds Consoles Display Furniture's Flexibility

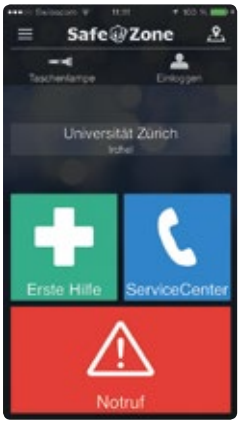
Control room console designer and manufacturer Winsted will be returning to IFSEC on stand F1350 with a display of customized consoles, promising a unique twist on their traditional Sight-Line console. They will demonstrate how customized contouring and finishes with creative storage solutions can make for a very contemporary looking control room console while also benefiting from the high-feature set that a Sight-Line console has to offer. This includes easy access cable management and the manufacturer's Versa-Trak display mounting system for ergonomic comfort and adjustability.

www.winsted.co.uk

Finance Ministry Secured by Sicurit Barriers

Sicurit thanks its Nigerian partner Actitech for having won the contract for the perimeter protection system at the Nigerian Federal Ministry of Finance (FMF) in Abuja, the capital city. Long-range Absolute Plus Digital Dual-Technology Barriers, interconnected through RS485 and monitored with the Hyperpower Security and Event Management system, are in the final stage of installation at FMF. All barriers have been equipped with hidden cameras connected to an internal IP encoder that provides live streaming video into Hyperpower to confirm perimeter breaches. Further hardware integration has been achieved with CMH8OUT modules to track possible unauthorized intrusions using existing American Dynamics IP speed dome cameras. **www.sicurit.com**

Safezone Launched at University of Zurich



Criticalarc's solution provides Zurich University with distributed situational awareness combined with a targeted and mass notification capability. Students and staff can now seek assistance 24/7 with the simple press of a button, wherever they are located across the University campus. Available as an app on all common smartphones, students and staff preregister with some basic personal details and sign up to groups based on their faculty and corresponding use of facilities. These ensure that users are provided with the right information relevant to their location and situation, such as being directly connected to first aid and security services, directed during evacuation procedures and being connected to the Swiss emergency services if appropriate. **www.criticalarc.com**

Wagner Air Sampling Smoke Detectors

Wagner Group will demonstrate its active fire prevention and intelligent very early fire detection solutions. The Titanus air sampling smoke detectors recognize fires in the early pyrolysis phase, reacting to the tiniest quantities of smoke particles. Up to 2,000 times more sensitive than conventional point-type detectors, this offers a valuable head start when locating the fire source and extinguishing fires with the company's residue-free gas extinguishing systems. The Multi-Sens detector, which not only detects if something is burning at an early stage but also identifies what is burning and what is not, will be premiered at Firex in London from 16–18 June 2015. **www.wagner-uk.com**

Giesecke and Devrient Passes the Torch in Banknote Ethics Initiative

Ralf Wintergerst, Member of the Management Board and Group Executive Banknote at Giesecke & Devrient (G&D), is their new high-level representative at the Banknote Ethics Initiative (BnEI). G&D was a co-founder of the BnEI, established to provide ethical business practice, the prevention of corruption and compliance with anti-trust law. Wintergerst regards an active role in the BnEI as ‚a promise to the public' and confirmation of G&D's impeccable business practices. **www.gi-de.com**

Wavestore Open For Business

At IFSEC International 2015, Wavestore will be demonstrating how the latest version of its open platform Video Management Software (VMS) unlocks the full potential of new and existing security systems on stand D1350. „IFSEC will provide an ideal opportunity to showcase V6, the latest version of our VMS," said James Smith, Marketing Director. „Throughout the three days of the show, we will be offering live demonstrations of how our VMS is able to facilitate the delivery of business intelligence and improve operational efficiency, as well as provide a very powerful tool to combat criminal activity."

www.wavestore.com

Hikvision Partners with Observit for Transportation Solution

Hikvision together with Observit have announced a strategic cooperation to integrate their products for full support of Hikvision's 4 series Smart IP cameras and to allow Observit's embedded open mobile video management component to run on their cameras. The integration enables end users to manage tens of thousands of vehicles in the fleet. Observit's BOT is allowed to be installed on Hikvision 4 series Smart IP cameras, and supports remote operation at any time without waiting for the vehicle to arrive to the depot or station. Recordings are uploaded from the vehicle during operation to a central video storage for later analysis. The system integrates with on-board applications such as alcohol interlock, Panic button and Eco driving.

www.hikvision.com

Winsted Equips Genetec Demonstration Room

Control room furniture manufacturer Winsted has supplied a customized console solution at the Genetec UK Solutions Center in Reading, UK, based on a Prestige Insight console. This incorporates all the benefits of the Sight-Line range but packages them within a compact profile with a smaller footprint. The project enables the physical IP security solutions provider to demonstrate the very latest in their unified IP security solutions in a simulated control room. The company was commissioned to provide a console that would provide functionality for the hi-tech demonstration area and also fit the space available within the multi-functional room. **www.winsted.co.uk**

Vivotek Integrate Axxonsoft Video Content Analysis

Vivotek has integrated Axxonsoft's ‚Analyticvideo Tracker' video content analysis function with their Application Development Platform (VADP) within the cameras. Designed for tracking objects by characteristics, the tracker can identify various objects such as individual people, groups of people, or vehicles and transmit the detected information, i.e. metadata to video management software for further analysis and reporting. The integration allows the direct execution of object-tracking at the company's front-end network cameras, drastically decreasing CPU loading at the back-end server and creating greater efficiency across the entire surveillance system. **www.vivotek.com**

Winston Churchill Joins Dvtel's Board of Directors

Dvtel, the video surveillance solutions provider, is pleased to announce that Winston Churchill, Managing General Partner of SCP Partners, will join the Dvtel Board of Directors. Churchill replaces Edmundo Gonzalez, whose personal commitment and unique analytical skills over many years of being a loyal member of Dvtel's Board of Directors have proven incredibly valuable in helping the company overcome hurdles and meet business goals. Mr. Churchill has served as Managing General Partner of SCP Partners since its founding in 1996. He has more than 25 years of experience in private equity investing. During his career, Churchill also practiced law in Philadelphia. **www.dvtel.com**

Exacq Integrates with Viper LPR System

Part of the Security Products business unit of Tyco, Exacq Technologies has announced an integration with Mango + Mate Viper automated license plate recognition (ALPR). The combination gives customers a unified solution within one interface. The Viper ALPR solution is a standalone all-in-one plug-n-play system that automatically detects vehicle license plates for fixed installations up to a speed of 30 mph. It analyzes the video input, captures vehicle license plates and sends results to the hosted server. Users can view video associated with detected license plate readings and create alarms that will be triggered if certain license plate numbers pass through an area.

www.exacq.com

Wavestore Wins Two Queen's Awards

Wavestore, a UK manufacturer of open platform video recording and management solutions, has been presented with both the Queen's Award for International Trade and the Queen's Award for Innovation. They are conferred annually by HM Queen Elizabeth II on the advice of the Prime Minister to organizations with outstanding performance in international trade, innovation and sustainable development. „We are immensely proud to be recognized with two Queen's Awards which reflect the hard work and ingenuity of all those who work at Wavestore," said Stuart Caldecourt, Chairman & Managing Director. **www.wavestore.com**

Nedap welcomes Trinity Fire & Security into UK Channel Partner Programme

Nedap is proud to announce that Trinity Fire & Security has joined the UK Channel Partner Programme. Nedap has introduced this new programme in order to work closer with its partners than ever before and it provides a means for integrators to become accredited to sell and support Nedap solutions. Daryn Flynn, UK Country Manager at Nedap, is excited at the prolonged relationship with Trinity: "We have worked with Trinity for a number of years and have been able to deliver a number of good projects. By signing up to our new programme, we are now able to work closer than ever before. Trinity are able to deploy our newly released AEOS hardware line giving us both more opportunities. I'm excited by the prospect of growing and developing an already strong relationship and taking it to the next level". **www.nedap.com**

Nedap Access Control in Vietnam

To optimize the monitoring and management of all vehicle and people access points at the company's headquarters, the Vietnam Post and Telecommunication group (VNPT) recently upgraded the building's entire access control and surveillance system for the 1,000 employees working at the HQ. Nedap's uPASS Reach readers were selected to facilitate hands-free access and elevator management. The entire project included access control readers for automatic vehicle identification at the building's parking facilities, elevator management and hands-free door access. **www.nedapidentification.com**

Tdsi Signs Agreement with China Rail

Integrated security solutions manufacturer Tdsi has announced the signing of a five year Strategic Cooperation Agreement with China Rail Chen Bang Technology (CRCBT). CRCBT is China Rail Engineering's group solutions and delivery provider, executing all low voltage systems engineering projects for the railway network across the People's Republic of China. The agreement will see Tdsi's integrated security and access control solutions installed as part of engineering projects for China Rail throughout the People's Republic of China. Additionally, Tdsi has accredited CRCBT as its latest Platinum Partner, recognizing the technical expertise, close working relationship and cooperation shared between the two organizations **www.tdsi.co.uk**

European Asis Conference

Asis International has announced that it will hold its 15th European Security Conference and Exhibition on 6-8 April 2016 in London. It is expected to attract around 600 senior security professionals from all over Europe and beyond. Participants will be able to share and learn effective strategies and solutions for securing their organizations' people, property and information in today's challenging global security environment. The event will be organized around 3 days of educational sessions, keynote speakers, professional visits to leading organizations in the Greater London Area, a summit for Chief Security Officers and a trade exhibition featuring cutting-edge security technology and solutions from a select group of companies. **www.asisonline.org**

Bosch Networked Security Solution for Shopping Center

Bosch Security Systems was chosen as the central supplier for the security systems at Marmara Park Shopping Center in Istanbul. With a total floor space of 100,000 square meters, 250 individual shops and restaurants, a hypermarket, a cinema complex and parking for 4,000 cars, Marmara Park serves approximately 40,000 customers per day. Local Bosch partner Entegre designed a highly modular and scalable security system that meets all the requirements of EN54. The networked and integrated security solution comprises fire and voice evacuation systems, video surveillance, access control, intrusion detection and panic buttons which have been installed in all the shops. All are centrally managed and operated via the company's Building Integration System. **www.boschsecurity.com**

ONVIF Releases First Client Test Tool for Profiles S, G, and C

The global standardization initiative for IP-based physical security products, ONVIF, has announced the release of its first Client Test Tool for conformance to Profile S, G, and C specifications. The new test tool specifications are now available to members on the ONVIF website within the Developers' Forum. It allows hardware and software-based clients such as video management systems, building management systems and physical security information management (PSIM) systems to be tested for conformance to ONVIF profile specifications. It was created to answer the physical security community's call for increased interoperability and accountability. **www.onvif.org**

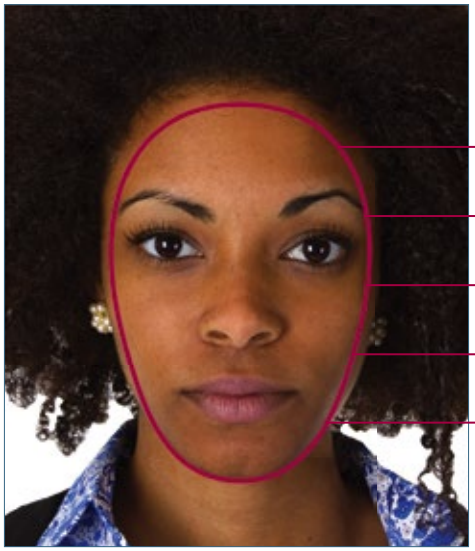
Bosch Access Control Integration with Milestone is Certified

Milestone Systems open platform IP video management software (VMS) is integrated with Bosch Access Control and has been certified with full documentation of testing results and best practice for optimal configuration. The combined solution now displays real-time access control events and alarms in the Milestone Xprotect Smart Client, also providing control of doors, gates and barriers from within the video interface. Video of the Bosch access incidents visually informs on situations as they happen. The video also provides easily shareable evidential documentation for analysis, rectification or prosecution. **www.milestonesys.com**

CEM Systems Announces Winners of Business Partner of the Year Awards

Part of the Security Products business unit of Tyco, CEM Systems has announced the winners of their 2015 Business Partner of the Year Awards, EMEA. Securitas received the award for their success in Europe, LMG for UK & Ireland, Majees Technical Services LLC for Middle East and Afrisec Group for the Africa region. The winners were announced at the annual CEM Conference held at the 5 star Culloden Hotel, Belfast, 27–29 April 2015. „Our business partners are critical to our success in continuing to grow our access control and security management solutions in key markets around the world", said Philip Verner, Regional Sales Director, EMEA. **www.cemsys.com**

Detect, Track, Recognize AND Analyze



- authorized staff?
- known suspect?
- entry/exit time?
- frequent visitor?
- age range?

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FaceVACS-VideoScan C5
IP video camera
face detection/tracking and camera technology in a single device

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See it in action at IFSEC, stand C420!

Cognitec

IFSEC AND FIREX 2015

London Again

Security and Fire Experts Meet at ExCel London

IFSEC, Firex and Safety & Health Expo will be back at ExCel in the east of London from June 16 to 18. The three exhibitions under the umbrella of the Protection & Management Series organized by UBM live will attract business professionals across the fields of security, fire and safety. The move from Birmingham to London last year was quite a success and it will be interesting to see how the shows develop this year after the transition year in 2014.

IFSEC Show Areas

As in the past IFSEC International will cover every area of security and the show is structured by the different show areas including Safe Cities, Intelligent Buildings, IT & Cyber Security, Video Surveillance & Intruder Alarms, Integrated Security Solutions, Access Control, Perimeter Protection & Physical Security. Each area has dedicated exhibitors waiting to show the latest solutions and products. Dedicated education session from the leading lights in the industry are planned and there will be several opportunities to network with key industry players.

Safe Cities

Safe Cities is a dedicated education and lounge within IFSEC which focuses on the protection of larger urban areas, critical national infrastructure and business continuity and is aimed at senior and strategic personnel responsible for the protection of major assets. Networked technologies and current themes such as the Internet Of Things are leading topic areas and feature heavily in the Safe Cities Seminar Theatre which is exclusively sponsored by Eaton. As well as hearing first-hand in the Conference and Seminars from those at the forefront of Safe Cities globally, visitors can also relax and network with their peers in the Safe Cities VIP Lounge, sponsored by Siemens. The organisers have partnered with Euralarm, the association of European manufacturers, installers and service providers of the electronic Fire Safety and Security industry. Euralarm will be running a dedicated conference on June 17th called Smart Cities: Safer & Secure alongside Safe Cities.

Intelligent Buildings

This area will create a combined fire and security area for both events, focusing on the common area of systems integration and convergence. Un-

like other features, it is not a showcase of new products, it's about holistic solutions. In a nutshell, Intelligent Buildings – Fire & Security opens up opportunities for inter-operability and information sharing between fire, security, IT, data and building management systems.

Video Surveillance & Intruder Alarms

Whichever part of the security supply chain you are part of there are many benefits of attending the Video Surveillance & Intruder Alarm show area at IFSEC International. Covering all aspects of video surveillance and intruder alarms, this dedicated product area will feature the very latest products and services in the industry, including video surveillance, central control rooms, and the innovations with high definition technology. Other products on display include ANPR, IP cameras, remote surveillance, thermal imaging, video analytics, and much more. The intruder alarm part of this section is dedicated to the complete spectrum of products for the alarm industry. Visitors will be able to source a complete product range covering alarm systems, detectors, keypads and control panels to protect your perimeters from outside threats.

Access Control

Securing assets is a major focus for international businesses and collaborative efforts between security and IT managers are more and more commonplace when it comes to protecting both buildings and the equipment within them. Key to this is access control. Driven by rising concerns over public and private sector safety, the access control market is set to be worth a substantial USD 8.6 billion by 2018. IFSEC will cover the key trends in this security market sector and will inform about the latest techniques that can help organizations to develop a fully integrated access control solution. The Access Control show area should allow visitors to identify and compare a range of integrated access control systems, readers, controllers and software systems.

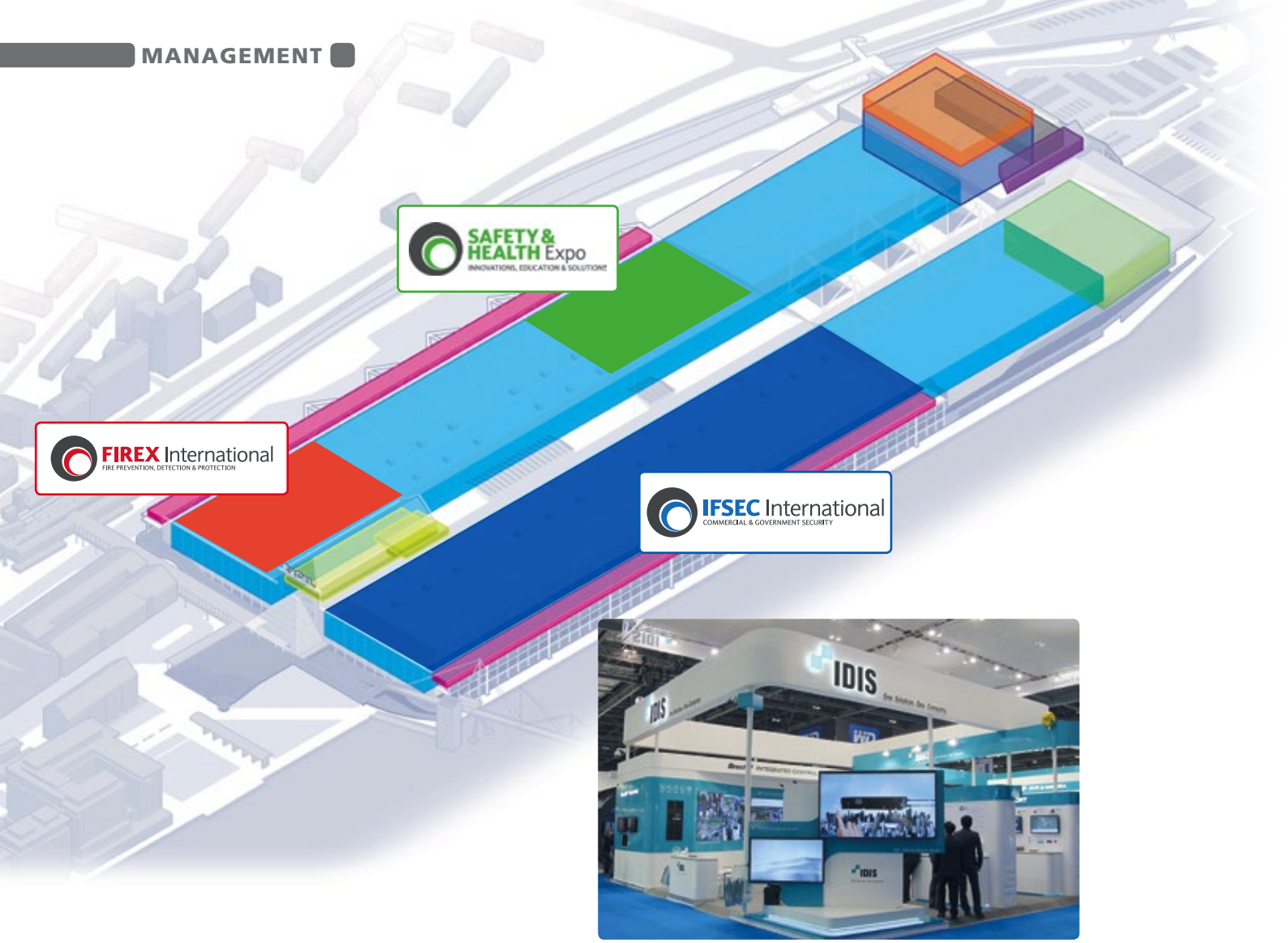
Perimeter Protection

Due to the heightened threat in today's world, the importance of protecting property and assets is paramount to all security strategies. The Physical Security area allows visitors to see a range of products in physical security, such as perimeter protection, locking systems, safes and more. With increased security threats from terrorism, the need to protect your business from external threats is never greater.

Follow the Innovation Trail

Innovation is the key theme at this year's IFSEC and the organisers have launched a new Innovation Arena and the Innovation Trail returns for its second year. The Innovation Trail will allow visitors to navigate all the newest products and services from across the security industry that have launched this year. Gerry Dunphy, event director-IFSEC International states: "Following our move in 2014 to London's ExCeL we conducted a significant amount of research and one of the key themes that kept coming up is everyone wanted to see genuine innovation on the show floor. We are delighted to incorporate the Innovation Trail once again and we have some really exciting products and technology to showcase this year. With so many new products within the Innovation Trail, IFSEC International really will provide a one-stop shop for our installer community to get their hands on the latest technology."

All these new products, plus many more, will make up this year's Innovation Trail at IFSEC International 2015, helping visitors to easily access the



new technologies that have come to market. Visitors will also be able to speak to leading suppliers that are shaking up the industry with new services, experts will be on hand to answer any questions and demo all the latest products on their stands.

FIREX

Fire can have a devastating impact on families or businesses, so minimising the risk of fire and reacting rapidly when fire does break out – to prevent losses and injuries – is a vital part of today's security universe. This makes FIREX the natural counterpart to IFSEC. Returning to London's ExCeL for a second year, FIREX will be located in the south hall alongside IFSEC as the organisers recognise the increased convergence between the two industries. Gerry Dunphy, commented: "We are really excited to bring FIREX back to London for another year. We have made some really positive changes in both the layout and content to ensure we are providing the right mixture of innovative fire-safety solutions with the latest thought-leadership and unrivalled networking. Our new location alongside IFSEC will allow our visitors a seamless experience between the two events."

FIREX will once again have major support from the industry, the Fire Industry Association (FIA), Fire Protection Association (FPA), Association for Specialist Fire Protection (ASFP) and the Loss Prevention Certification Board (LPCB) all return in 2015 as key partners to the show, providing a wealth of information and all the latest industry updates.

Returning after a successful launch in 2014 is Security & Fire Installer Live, where experts will be on hand to present live demos and test the kit to the extreme so visitors can see for themselves the limits products can be pushed to. Also returning to FIREX in 2015 is the FIREX Academy and the IFSEC & FIREX Global Meetings program.

With more than 170 fire solution providers showcasing the latest technology and solutions, 14,000 installers, consultants, distributors, fire safety engineers, building control officers, and end users will be visiting to source the latest technology and dedicated free education covering the topics that matter most.

Passive Fire Protection Demo Zone

BM TRADA will be highlighting the benefits of effective passive fire protection through a range of interactive exhibits, live demonstrations and free seminars at this year's FIREX. BM TRADA will be offering regular tours of its 80 m² passive fire protection demonstration zone which will feature a full-size corridor and suspended ceiling simulation. The exhibits will demonstrate best practice specification and installation of passive fire protection measures including fire doors, service pipes, cables, light switches and downlighters. The tour will take you around full size display models of a charred fire door and a glazing system, as well as burnt pipes and cables, all of which will clearly demonstrate how passive fire protection measures work to prevent the spread of fire. A reaction to fire display will also highlight the performance of fire protective coatings. To get involved visitors should head to stand C165.

Safety & Health Expo

Co-located to IFSEC and FIREX, the Safety & Health Expo is bringing together the entire health and safety industry buying chain. The event is supported by the key industry partners IOSH, RoSPA and BSIF and is targeting practitioners, suppliers, distributors and manufacturers. For the second year the renowned IOSH conference will run alongside Safety & Health Expo, designed to meet the needs of the UK and international health and safety industry. The show will also be providing show floor educational content over the three days of Safety & Health Expo alongside the very latest, and most innovative, products to market.

www.ifsec.co.uk
www.firex.co.uk
www.safety-health-expo.co.uk

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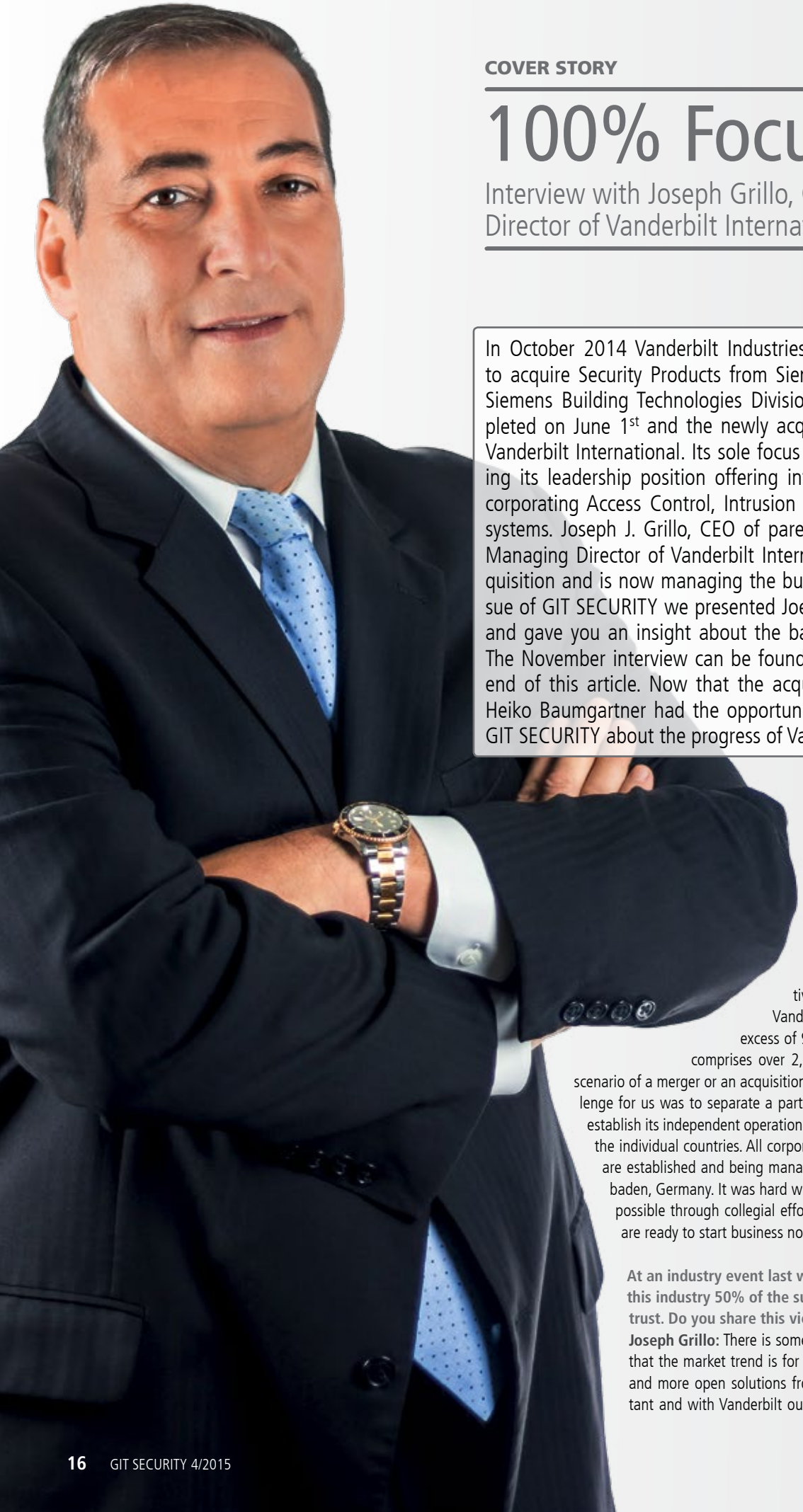


COVER STORY

100% Focused

Interview with Joseph Grillo, CEO/Managing Director of Vanderbilt International

In October 2014 Vanderbilt Industries entered into an agreement to acquire Security Products from Siemens, which was part of the Siemens Building Technologies Division. The acquisition was completed on June 1st and the newly acquired business was renamed Vanderbilt International. Its sole focus is on maintaining and growing its leadership position offering integrated security systems incorporating Access Control, Intrusion Alarm and Video Monitoring systems. Joseph J. Grillo, CEO of parent company ACRE and CEO/ Managing Director of Vanderbilt International, was leading the acquisition and is now managing the businesses. In the November issue of GIT SECURITY we presented Joe Grillo's view on the industry and gave you an insight about the background of the acquisition. The November interview can be found if you follow the link at the end of this article. Now that the acquisition has been completed, Heiko Baumgartner had the opportunity to talk with Joe Grillo for GIT SECURITY about the progress of Vanderbilt and his future plans.

GIT SECURITY: Can you give us an overview of the actual situation and where you are in the integration process?

Joseph Grillo: Nearly 100% of the former employees transferred to Vanderbilt, right from the start we are actively selling in 95 countries worldwide. Vanderbilt currently supplies and supports in excess of 9,000 customers and has a portfolio that comprises over 2,000 products. We didn't have the usual scenario of a merger or an acquisition that is followed by integration. The challenge for us was to separate a part of a company with 220 employees, and establish its independent operations, whilst adhering to all the legal issues of the individual countries. All corporate functions, such as IT, HR and finance are established and being managed from our new headquarters in Wiesbaden, Germany. It was hard work as you can imagine and this was only possible through collegial efforts from Siemens and Vanderbilt, but we are ready to start business now.

At an industry event last week, somebody commented that in this industry 50% of the success is price and quality and 50% is trust. Do you share this view?

Joseph Grillo: There is some truth in it. In our last interview, I stated that the market trend is for integrated security management systems and more open solutions from trusted suppliers. Trust is very important and with Vanderbilt our customers can rely on the same estab-

lished product quality, customer service and sales support that they were used to when they worked with Siemens because we transferred nearly 100% of the staff. They only need to get acquainted with a new CEO and CFO at Vanderbilt and they can be assured of the depth of industry experience throughout the business. As the new owners, we are well founded and have strong financial backing which also will help retain and build trust.

Could you give our readers an overview of your plans for the business and strategy in the upcoming months?

Joseph Grillo: Our overall strategy will not change dramatically compared to that under Siemens ownership of the Security Products business. Our main goal stays the same, to supply state-of-the-art access control, intrusion alarm and video surveillance products to our channel partners. Therefore an important part of our strategy will be massive investments in our product pipeline. Focusing on the security market is not easy when you are a part of a huge company that is involved in several market segments. A big advantage for Vanderbilt is that that we can be 100% focused on the security business and we will not be distracted by any other business strategies. We are a big company with a strong background but not a conglomerate of different businesses like Siemens or many of our competitors. This means that we will be agile, we can make fast decisions and we will take reasonable risks based on our vast experience. We live and breathe security, we have the security business in our DNA. We also have a deep understanding of our channel's and the end-user's needs and we understand how our technology is integrated with business concerns like HR, time & attendance, building technology and locking systems. If you look at the international markets, we want to grow beyond our customer base in Europe and the US, especially in the Asia Pacific market, in South America and Eastern Europe.

Joe, you have mentioned how important it is to understand the market. Apart from your experience, how do you analyse what products the market needs?

Joseph Grillo: We are just about to finalise the analysis of some research that we have carried out in some key markets. We conducted research amongst more than 7,500 consumers and businesses in the UK, France, Germany, Spain & Sweden to gain insight into the fears of consumers and businesses, and to reveal the efforts and investments that both are making to keep their homes and businesses safe from harm. We also hope to gain an indication of where electronic security technology itself could be heading by questioning consumers and businesses on the solutions that they are interested in for the future. We will be sharing the results with our partners in discussions at the IFSEC show and will inform your readers as soon as we have finalised the research.

IP systems for access control are a very hot topic in the industry at the moment. What is your view on this and what is Vanderbilt offering here?

Joseph Grillo: IP technology has already influenced security in a lot of ways. The change in video technology was massive and we see a big impact on access control systems, too. With our product portfolio we are ready for the changes that will come. Our IP-based controllers from our new Aliro system are a good example.

IFSEC will probably be a good showcase for the product developments you have made in the last months. What is new on the product side?

Joseph Grillo: We will present an overview of our products at IFSEC. Suitable for small to medium sized commercial applications, the flexible yet robust Aliro access control solution incorporates a flat system architecture with easy to use Internet based software and intuitive mobile features. Shipped already pre-configured, in addition to distributed applications, Aliro supports up to 512 doors, 10,000 users and 100,000 access cards. Visitors will also be able to see first hand how it works with MiFare card readers featuring an integral LED based screen that facilitates cardholder interaction by displaying bespoke messages. When it comes to high definition (HD) video, the Vectis iX range of IP video recording solutions offers unrivalled performance for those looking to capture all the finest details. Setting new benchmarks in functionality, compatibility, speed, value for money and future proofing, Vectis iX is fully scalable and suitable for a diverse range of applications. It comprises self-contained network video recorders (NVRs) and network video software (NVS), both of which are capable of recording full-HD images from up to 48 3MP cameras simultaneously at 25fps, and can support resolutions up to 20MP. Also on display will be a range of ONVIF compatible CCTV cameras including a day/night 3 megapixel PTZ dome camera with 18x optical zoom that is considered to be a global first. Products from the ever-popular SPC intruder detection range will also feature on the stand, including the recently launched SPC Compact Keypad, a slim, elegant, feature packed user interface which brings the power and sophistication of the SPC system right to a user's fingertips. With a depth of just 17.5mm, the two variants are small but perfectly formed, and while the SPCK520 offers display and speech output, the SPCK521 adds an ID card reader. Joining Aliro, SPC and Vectis iX will be the new Magic PDM-IXx12/T and PDM-IXx18/T dual motion detectors, which offer reliable detection of intruders and high false alarm immunity. These will appear alongside the new day/night 3MP PTZ dome camera, with 18x optical zoom that is considered a global first and a truly viable alternative to the 'shoebox' housing PTZ cameras that are often used for perimeter surveillance.

IFSEC in London will be the first show where Vanderbilt appears as a uniquely independent organisation. What can visitors of the Vanderbilt stand expect apart from the latest product news?

Joe Grillo: Our appearance at IFSEC will be our coming-out party! As the key event in the UK security calendar, IFSEC provides the perfect opportunity to meet directly with integration partners and end users and highlight how we plan to build on the success of the range and take it in a new and exciting direction. It is our opportunity to show our company "personality" to the world and I am confident people will find it refreshingly different. As this is our first time at the event, we look forward to welcoming visitors to our stand, where our team of experts will be available to talk through the features and benefits of our cutting edge innovations and discuss the benefits of working with our organisation.

Read the Interview in the November issue of GIT SECURITY with Joe Grillo's view on the acquisition.

CONTACT
Vanderbilt International
Wiesbaden, Germany
info.de@vanderbiltindustries.com
Tel.: +49 721 958 8152
www.vanderbiltindustries.com

Kaj Svenningson (Chief Business Development Officer SeeTec), Stephan Rasp (CEO SeeTec), Gadi Piran (President & CTO OnSSI), Yoav Millet (COO OnSSI)

MARKET

Global Potential

Video Management Software Market Changes – About the Merger of SeeTec and On-Net Surveillance Systems

At the beginning of April, the American VMS manufacturer OnSSI announced the signing of a binding agreement to take over the majority shareholding of the network video management software pioneer SeeTec (we reported this on our online portal www.GIT-SECURITY.com). We spoke with Stephan Rasp, Chairman of SeeTec, and Gadi Piran, President and CTO, OnSSI about the background, motivation and plans.

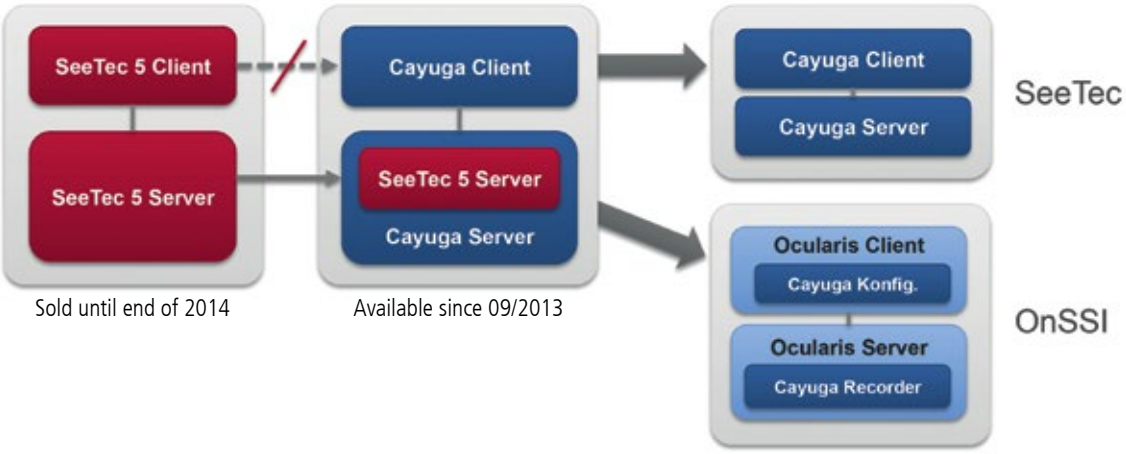
GIT SECURITY: Mr. Rasp, market researchers at IHS confirm that the video surveillance industry is still a robust and growing market. Did the development of the market affect your decision on taking the next step towards being a global player?

Stephan Rasp: Definitely, yes! We have global partners, global customers and are operating in a global market. Whoever has the potential for global revenue will have more resources available to compete in the long run. The VMS market is still young and fragmented, which means that there is more technological progress ahead of us. Because this is complex technology in a complex environment, leadership does come with a price tag. SeeTec created the first commercially available open IP-based VMS. Our mission is to continue this tradition of innovation.

What does the merger mean exactly for SeeTec? Which impact does it have for the companies' management? How will you handle synergies?

Stephan Rasp: The merger creates a long term and global perspective for SeeTec as one of the leading VMS manufacturers worldwide. It is hard to think of an alternative scenario to reach this objective. Both companies are going to grow as a result of the merger. OnSSI now has access to an up-to-date technology platform and SeeTec has access to a bigger market.

Gadi Piran: Structural integration is not planned. This would not create any savings considering the geographical distance, the different legal frameworks and lack of overlap in sales regions. The company's management stays in place. We are pleased that the existing investors have been com-



plemented by new ones. This way capital doesn't drain off and we are able to focus on growth. Synergies are generated by licensing SeeTec Cayuga as a part of Ocularis in the US – this forms additional growth and stability. There are no plans to reduce the workforce. Quite the opposite: we are planning to strengthen development and services in Germany.

Will your existing customers profit from dealing with a global player in the future?

Gadi Piran: They profit in more than just one way: we are having a global presence for our global customers. We are increasing our development and service team not only in Germany but also worldwide. We are working on developing a global service organization to be in a position to support our integrators and partners in their projects all over the world. As a global company we have a different role in partnerships and more options than we had as a local player. As a result of the merger we remain hardware independent and open. We believe that this is a freedom of choice the customer wants.

Which new customers do you have in mind?

Stephan Rasp: We will focus on mid-size to large customers as we operate globally and are constantly increasing the capabilities of the software. We are noticing that video is evolving into a part of the IT-infrastructure. Thanks to the merger we are better prepared to support big and international roll-out projects. This is why we are going to step up our cooperations with globally acting partners, which opens further opportunities. Business video intelligence (BVI) is about supporting business processes with the help of video. SeeTec has a leading position in this new area of application. For example, BVI logistics is a product that helps the staff to find shipments in big logistics hubs by using video technology. This product will be on sale in the US. We received very encouraging and positive feedback at ISC West in Las Vegas.

SeeTec is successful with Cayuga in Germany and Europe – OnSSI with Ocularis in the US. Will there be a unification of the product portfolio? Will products disappear?

Gadi Piran: No. Both markets are different and have generated different products. From the technical point of view, SeeTec Cayuga is already a part of Ocularis 5. A big advantage is that we now have the innovative capacity of two exceptional teams. I am sure they will inspire each other and we will not have to invent things twice.

Is there a common strategic road map? Will there be jointly developed products that are better prepared for the global market?

Gadi Piran: With Ocularis 5 we introduced a first common product at ISC West in Las Vegas. Feedback from customers and partners has been positive. Even today, the requirements of the US market are considered in SeeTec Cayuga. It is interesting to note that the To-Do lists on both sides of the Atlantic are very similar – only the priorities differ.

What can the European VMS world learn from the American counterpart – and vice versa?

Gadi Piran: The operators work differently: in Europe, customers are looking for an event-driven automation and thinking in holistic processes. And of course privacy and data security play an important role. In the US it is more about tactical reactions in case of an event. Camera operation in live mode and access to the archive are critical. In this case the focus lies on operator efficiency. Both development teams are currently learning a lot from each other, giving us another unique opportunity for our customers.

Mr. Rasp, both SeeTec and OnSSI have sales structures that they have developed over the years. What kind of impact does the merger have on them?

Stephan Rasp: We complement each other's sales structures perfectly. Each company has its own core market without any overlap. There are no duplicate offices. In a very few countries outside both core markets we are both represented by partners. We will not change anything in these countries and will continue to observe the market.

Are there any agreements or plans on doing a common sales and partner structure?

Stephan Rasp: Both companies rely on integrators and have a 100% partner-focused sales organization. We would like to offer our partners even more opportunities to reach unique added value based on our products. Both end customers and partners will benefit. We will support our global partners to apply the know-how they have gained in each of our products on a global scale. Each of us will sell his products in his own core markets. In the remainder of the markets we will be working together.

CONTACT

SeeTec
Bruchsal, Germany
Tel.: +49 7251 9290 0
www.seetec-ag.com

OnSSI On-Net Surveillance Systems
Inc., NY, USA
Tel.: +1 845 732 7900
www.onssi.com

EVENT

Counter Terror Expo 2015

The 7th annual Counter Terror Expo (CTX) was organised by Clarion Events in the Olympia National Hall, London, over the two days 21st to 22nd April 2015. Under the slogan "International Security for an Evolving World", the four, broadly based objectives of the event were to stop terrorist attacks, to stop people becoming terrorists or supporting terrorism, to strengthen our protection against terrorist attacks, and to mitigate the impact of terrorist attacks.

Exhibition and Conference

Whilst the Exhibition displayed the latest solutions to defeat and protect against terrorism, the packed Conference timetable comprised the World Counter Terror Congress, Critical National Infrastructure, Cyber Threat Intelligence and Transport Security Live. Mark Rowley, Head of Specialist Operations and Assistant Commissioner of the Metropolitan Police responsible for London, delivered the opening address at the World Counter Terror Congress on the first day of Counter Terror Expo. According to him, the threat level to Britain from international terrorism that was raised from "Substantial" to "Severe" in August 2014 is likely to stay at that intensity for some time to come. "Severe" is the fourth level in the five-tier system of alert categories used by the UK Government since 2006 to warn of terrorist activity. The only higher level is "Critical", which is used when an attack is expected imminently.

Two co-located Exhibitions and Conference programmes also under Clarion Events were the Forensics Europe Expo and Ambition 2015, the latter for anyone involved in emergency preparedness, resilience and response (EPRR).

The Industry Highlights

The highlights of the Counter Terror Expo included many new and ground-breaking products and services from over 300 exhibitors. Accordingly some of those which particularly caught our eye are outlined below.

- An application development partner on the **Axis Communications** stand, Derek van der Vorst, CEO of a first-time CTX exhibitor from the Netherlands, Sound Intelligence (www.soundintel.com), was demonstrating an exciting new product just shown at ISC West 2015 in Las Vegas. It turns an Axis network camera into an intelligent sound recognition device that filters out background noise to identify irregular sound patterns – potential incidents such as verbal aggression, gunshots and breaking glass. The embedded, advanced audio analytics from Sound Intelligence will then trigger the camera to send an alert and stream realtime video footage to control room operators or early responders, thereby diffusing dangerous situations before they can escalate.

- British perimeter security specialist **Townscape Products** (www.townscapeproducts.co.uk) was promoting its new collection of hostile vehicle mitigation blocks to the PAS 68 standard for vehicle immobilisation. These aesthetically shaped blocks of granite, quartz or Dekton are designed to prevent terrorist or criminal vehicles from having a free run up to buildings or other structures, thus enabling facilities managers to protect people and property discreetly and sympathetically to the local environment. Townscape offers more than fifty variants of patterns, finishes and colours in granite alone.

- **Zaun Ltd.** of Wolverhampton (www.zaun.co.uk) is now working with another UK firm, Binns Fencing Ltd of Potters Bar established 75 years ago, on the latest high-security perimeter

Zaun and Binns Fencing secure a new £250m super-prison at Wrexham, North Wales

protection systems to combat the rapidly evolving security threat. Impressive applications highlighted on their joint stand included secure units and prisons, such as Broadmoor, Wormwood Scrubs and a new £250m super-prison at Wrexham, North Wales.

- A further excellent example of physical security product debuts was the Terror Screen high-security roller shutter door on the **Hart Door Systems** stand (www.hartdoors.com). It is to standard LPS 1175 SR4 Issue 7 and has third-party certification from BRE/LPCB. The Terror Screen is a large and heavy shutter that offers protection for up to 20 minutes against cutting, drilling, crowbars and axes due to its exceptional robustness. This allows enough time for security teams to arrive on site. The Terror Screen has already been installed at a number of high-security locations in Britain including power distribution and nuclear facilities. Combined with CCTV, alarms and direct links to police, it serves as a real deterrent against the sabotage of national infrastructure or theft of high-value goods.

The Terror Screen high-security roller shutter door from Hart Door Systems as installed at a UK nuclear facility

TiCAM 90 thermal imaging monocular from Thermoteknix Systems

TiCAM 600 thermal imaging monocular from Thermoteknix Systems

- Another UK company has claims to be one of the world's leading innovators in and manufacturers of thermal imaging systems. **Thermoteknix Systems** (www.thermoteknix.com) announced its new range of handheld thermal imagers for night vision. Ideal applications for the TiCAM series of monoculars and binoculars include reconnaissance, border security and surveillance, counter drug operations, police surveillance, search-and-rescue and VIP protection.

- **HGH Infrared Systems** from France (www.hgh-infrared.com) launched its latest 360-degree infrared solution for critical infrastructure surveillance, Spynel-M. One single Spynel-M sensor effectively replaces up to 16 traditional cameras and is able to provide immediate alerts of human intrusion over a 1.5km area 24/7. The Spynel-M continuously captures fully panoramic, high-resolution infrared images every second to afford realtime security against conventional as well as asymmetrical threats including hardly detectable targets such as unmanned aerial vehicles (UAVs), rigid-hulled inflatable boats (RHIBs) or crawling men. Easily transportable, Spynel-M can be carried in a backpack, quickly deployed and operated remotely.

- **Cognitec** from Germany (www.cognitec.com) introduced a video camera with integrated face detection and tracking to complement its well-known face recognition technology. This highly specialised IP video camera with built-in face detection and tracking technology is a component of Cognitec's FaceVACS-VideoScan product. So the FaceVACS-VideoScan C5 camera provides optimal image quality for realtime face recognition, even under challenging conditions, whilst requiring low computing hardware and bandwidth resources.

FaceVACS-VideoScan C5 camera from Cognitec

- Meanwhile **Fastlane Turnstiles** (www.fastlane-turnstiles.com) majored on its Door Detective anti-tailgate system, which visitors to the stand could try out for themselves (www.doordetective.com). It is designed to increase the level of security at any door that uses access control, typically within buildings at border control posts, ports and airports. Multiple infrared sensors track movement in both directions through an open door and will raise the alarm in the event of any unauthorised passage. The Fastlane range of products is manufactured by Integrated Design in the UK.

- As ever, reliable communication is vital in emergency situations, and the **SATcase** works by transforming the common smartphone into a sophisticated satellite phone (www.satcase.com). With this global solution, communication is still possible outside of mobile range, if coverage is cut off in a disaster or a remote area of the world. After users have placed their smartphone inside a ruggedised case, they simply install the accompanying application. The SATcase comes with an SOS button to enable search-and-rescue teams searching by land, sea or air to pinpoint a person's location. Other features are two-way rescue communications, online track-and-trace for live monitoring, silent alarms and infrared strobes for victims of kidnap.

The SATcase transforms a smartphone into a satellite phone ▶

Millbrook's armoured Vauxhall Insignia car

- Finally, **Millbrook's** armoured Vauxhall Insignia was on that company's stand (www.millbrook.co.uk), showcasing its exceptional levels of protection without compromise to its profile, handling and ride comfort. Features of this discreet armoured vehicle include 360-degree ballistic and floor blast protection. Additionally the vehicle can be modified to include upgraded suspension, brakes and safety systems, whilst a blackout function, runflat capability and explosion-safe fuel tank can also be incorporated. On display too, Millbrook's newest vehicle, the armoured Toyota Land Cruiser L200, has undergone a punishing and extensive testing regime. Fully certified under the current standards to VPAM BRV2009 VR7 level, it is designed to respond to the increasing threat of improvised explosive devices (IEDs) in hostile environments, and offers exceptional ballistic and blast protection.

So a very broad spectrum of product offerings for visitors to take in! They will now want to diary the next Expo, rebranded as the Security & Counter Terror Expo to accommodate more private sector applications alongside the many public sector ones. That will run at the same popular, easily accessible venue at London Olympia from 19th to 20th April 2016.

www.counterterrorexpo.com
www.forensicseuropeexpo.com
www.ambitionexpouk.com

The Author
Oliver R Haines

TRADE SHOW

Sicurezza 2015

Internationalization, Integration and Solutions are the Keywords

Against a backdrop of an Italian market which, exceeding all expectations, has grown by 5 % in the last year, the number of companies signing up for this year's Sicurezza event is showing a positive trend. The biennial international Security and Fire Prevention exhibition will be returning to the Fiera Milano fairground from 3 to 5 November 2015.

This international event scheduled in the second half of this year has a growing number of companies returning to exhibit. Confidence is also being shown by newcomers to the show and the event is demonstrating that it is in harmony with the Italian market trend that is ever more dynamic and rife with opportunities. To date, more than 60% of the exhibition space has already been allocated.

The provisional 2014 statements of ANIE Sicurezza (the Italian Association of security and building automation) confirm the positive trend of the last three years, with an increase in turnover of 5% compared to the prior year. At year-end 2014, the Italian industry that supplies technologies for Building Security and Automation, which ANIE Sicurezza represents, was worth a total aggregate turnover of approximately 2 billion Euro, despite the fact that the widespread policy of down-pricing remained in place. The segment that expanded most was surveillance with an increase on an annual basis of almost 10%, but the anti-intrusion systems and burglar alarms segment also performed well, increasing by almost 7% on an annual basis. The figure for the fire prevention segment, which increased by around 2% on an annual basis, was lower than the average for the sector.

„At Sicurezza 2015 we will be proposing a format that is even closer to the demands of the industry. Even now, 6 months before the exhibition opens, the number of companies signing up suggests that the new system of holding the exhibition in odd years constitutes an important change, especially in terms of raising the event's international profile," declared Giuseppe Garri, Exhibition Manager of Sicurezza. „We will be focusing on the relevance of the offering and on highlighting the high degree of technological research behind the solutions available on the market today. But we will also be focusing on the way the market is changing, with sessions on topics which appear to be of more widespread interest, such as the Internet of Things and Cyber Security.

Partner Matching

"We will be presenting this new world to foreign buyers from the markets that are potentially the most interesting in terms of exports – from the countries around the Mediterranean, the Middle East and North Africa – using our business matching platform, the EMP (Expo Matching Program). Our aim is to establish a close rapport with all the companies involved, so that they become partners, working hand in hand with the Italian associations that represent the manufacturers, ANIE Sicurezza and ASSOSicurezza. With their help, we are developing a project through which we hope to become a pool of reference for all the markets in Southern Europe."

Since exports remain a key business segment for the whole sector – and the ANIE Sicurezza figures confirm this – 150 top buyers will be invited to come to Milan, all of whom have extremely high profiles and come from the geographical areas which most interest us. And that is 50% more than at the previous event.

CONTACT

Fiera Milano S.p.A
Rho / Milano, Italy
Tel.: +390 2 499 77129
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GIT SECURITY AWARD – Finalists

It is Your Choice: Vote for the GIT SECURITY AWARD 2016 and Win a Digital Camera

We are presenting the GIT SECURITY AWARD 2016. As in the past we did get a lot of applications from security and safety vendors from all around the world. Our jury did a pre-selection for you and has nominated products in each of the categories for you to vote. Once again, it was very difficult for the jury to select only a few products from the large number of products which were entered. On the following pages we present you these nominated finalist products and invite you to make your selection and vote. The winners in each category will be presented in our November issues print and online.

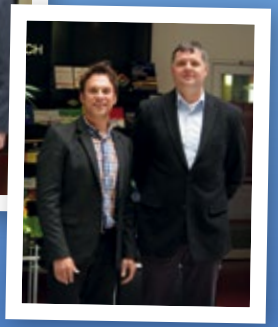
Select one product for each category

Here are the most important details about placing your vote:

- You have 5 votes – 1 vote for each category.
- By submitting your votes, you are automatically taking part in the reader's prize draw.
- Please let us have your votes by October 1st, 2015.
- Vote via fax: Fill in the voting sheet and fax it to us.
- Vote online: On www.security-award.com you can vote with a click of your mouse. There you will also find information about the products. In addition you can also obtain information about the company.
- Vote via E-Mail: Send us an e-mail with the category and your favorite (only one for each category) to GSA@gitverlag.com. Please remember to give your full company address. Private persons are not entitled to vote and a business address is essential.
- Employees of participating companies may not vote for their own products.

Win the reader prize!

With a little luck, you will soon be the owner of a prestigious digital cam. So please vote in the GIT SECURITY AWARD. Select a favourite from each of the categories A, B, C, D and E to take part in the draw for the camera.



Pictures: The jury teams – representatives of societies, integrators and users

Turn the page to the next chapter.

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GIT SECURITY AWARD 2016 FINALIST

Category A:
Safe Automation

Bernstein: Hinge Switch
Hinge Switch With Integrated AS-i Safety At Work

Type 2 doors are often secured by a simple safety switch. The disadvantages of these are that there is danger of injury from the separate rod and also that the door must be perfectly aligned so that the rod meets the opening in the switch. These problems are eliminated by using a hinge switch. As the secure switch contacts are integrated into the hinge, the actual safety switch can be dispensed with. The hinge switch has an AS-i Safety at Work bus interface for quick and easy integration into AS-i systems. The hinge is also protected to IP69K – the stainless steel version can also withstand intensive cleaning.

E. Dold & Soehne: Safemaster STS
Robust Option Module

An Option Module extends the Safemaster STS safety switch and key transfer system with simple command, report and emergency stop functions. The system now becomes a control center from where command functions, status reports, activations as well as primary and maintenance access can be controlled. The option module can be installed directly underneath switch and solenoid lock units in the same type of housing and be simply connected via plug-in connectors. The narrow housing permits space-saving installation on a safe guarding fence. The option module thereby enables direct command response at machine and system interfaces. This requires a quicker operation of the control device and a higher system availability.

B&R Industrie-Elektronik: ReAction for Safety
Quick-Reacting, Programmable Security Technology

B&R has expanded the potential usage of its ReAction Technology to include safety-relevant applications. The programmable safety technology allows time-critical sub-processes to be handled directly in the I/O modules, which reduces the reaction time. No special hardware is necessary to use ReAction, and the programing is similar to conventional control solutions.

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Euchner: CTP
Transponder-Coded Safety Switch

Safety switch CTP is the small guard locking device with integrated transponder technology. With only one switch it achieves Category 4 and PL e according to EN ISO 13849-1 without fault exclusion. All the requirements of EN ISO 14119 are also met. The CTP is an economical solution compared to existing technology, in which two safety relays are required in addition to a guard locking device and a position switch to realize Category 4, because the CTP requires only one switch to achieve the same result. The CTP also features a detailed diagnostic function. The mounting compatibility with safety switches TP/STP and STA permits rapid replacement for the user.

Leuze Electronic: RSL 400
Safety Laser Scanners

16 models with ranges of up to 8.25 m and two autonomous protective functions – the user is sure to find the right device here. In combination with the compact design, the devices' large scanning angle of 270 degrees is especially advantageous when safeguarding around the corner. The safety laser scanners can be configured not only using Ethernet TCP/IP but also wirelessly via Bluetooth. The creation of protective fields (100 field pairs) and function assignment is easier than ever with application-oriented one-step configuration. A text display with electronic level ensures simple alignment of scanner and robust connection unit. With this mechanical and electrical basis, realignment and readjustment are no longer necessary.

Omron Electronics: F3SG
Safety Light Curtain Series

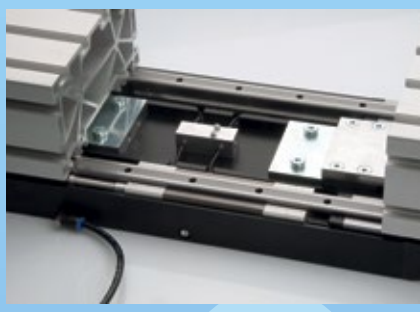
Investigations done by Omron show that most of required time consuming actions in the life cycle of a safety light curtain is caused by alignment and troubleshooting during operation. Therefore, Omron decided to improve these issues and designed features to reduce the required time dramatically up to 80%. The innovative Smartclick connectors of Omron are one example to reduce time required for wiring and replacement. The light curtains LEDs and the powerful configuration software, that allows logging of signal sequence in muting applications, save troublesome attempts of alignment and prevent unexpected machine stops. In case of an error, operators can use a special QR-Code that links to a multilingual special website to check details quickly for trouble shooting and countermeasures.

Phoenix Contact: FLT-SEC-HYBRID
Line Follow Current-Free Lightning Arrester

Flashtrab-Sec-Hybrid is a lightning arrester according to the IEC test categories I + II with a patented line follow current-free spark gap and an integrated backup fuse. This saves space for the otherwise required separate backup fuse and reduces the assembly effort. The new spark gap technology reliably prevents any line follow current. This prevents unwanted surge current loads for the installation and increases the service life of the protective devices significantly. In case of a rated voltage of 264 V, the protection level reaches a maximum of 1.5 kV. The lightning test current (10/350)µs is 25 kA per channel. Due to the pluggable design, it is not necessary to intervene in the installation should maintenance be required.

RK Rose+Krieger: RK Safelock
Retention System Secures Gravity-Loaded Linear Units

The RK Safelock safety bolt integrated in linear units permanently prevents unintentional falling on the vertical axis during the entire life cycle of the linear transport system (installation, maintenance, repair and dismantling). RK Safelock works independently of the motor brake and therefore blocks the axis even when the drive unit is removed and the normal brake function no longer exists. The safety bolt is automatically activated if the pressure drops, and the RK Safelock will support the load in its current position. Accidents during maintenance work caused by



falling sleds are thereby prevented. Retention is also guaranteed when the tracks are greased, and for linear units with an integrated RK Safelock is up to 2.000 N.

SIEI-Areg: KFM Safety
Integrated Safety Door Drive KFM Safety

KFM SAFETY is an all-in-one solution for security doors of machine tool, packaging and injection molding machines as well as for assembly lines or for industrial handling. Equipped with safety functions STO, SLS and SLT (Safety level SIL 2 according to EN 61508 or category 3, performance level d according to EN 13849) the system is compliant with the EC machinery directive without need for additional equipment such as light barriers or safety contact switches. Due to smart additional functions for various applications as for example partial opening (pre-set or sensor), safe switching between secure and fast operation mode or open door detection the KFM Safety is flexible and economic.

Wieland Electric: SP-COP2
Compact Safety Control

The new Compact module SP-COP2 is a safety controller and provides in 45 mm housing width 16 safe inputs, 4 safe outputs, 4 user-configurable, safe inputs / outputs, integrated USB and Ethernet interfaces and an SD card slot for the program storage with 512 MB of memory. The SP-COP2 offers industrial Ethernet protocols such as Modbus/TCP, Profinet and Ethernet/IP on-board and can be modularly expanded by further 144 safe inputs / outputs. The projects are realized by the new SamosPlan5+ with hardware config-

uration, logic programming, offline simulation and analysis of the logic of the project documentation and diagnostics in the operation log and time stamp.

GIT SECURITY AWARD 2016 FINALIST

Category B:

Fire And Explosion Protection, Industrial Safety

ABS Safety: ABS-Lock X-Flat

Fall Protection Anchor for Riveting on Containers

The ABS-Lock X-Flat is a single point fall protection anchor. It is designed to be used during the work on office-, sea fright containers and construction site trailers. Our Lock X-Flat is a secure anchor point for up to three persons and is tested in accordance with DIN EN 795:2012 (A). It is made from weatherproof 304 stainless steel and will minimize the forces in case of a fall because of its plasticity. The very flat design of the fall protection anchor ensures the ability of stacking the containers/ trailers. All markings are lasered onto the stainless steel base plate, the flat is installed on the trapezoidal or sandwich panels of the container/ trailer (minimum thickness: 0.5 mm) using 14 blind rivets. Integrated sealant straps protect the container from moisture.

Abus August Breicker u. S.: Safety Redbox

Maintenance Safety Deposit Box

The Safety Redbox maintenance safety deposit box ensures extensive security with speed and ease. Normally when large plants are serviced, all other parties must be separately locked out from numerous locking points. With the Safety Redbox maintenance safety deposit box, only the overseer has to lock the locking points, putting the keys in the deposit box afterwards. All other parties then lock up the Safety Redbox with their own padlock – and all of the keys are securely stored until maintenance is completed.

Bosch: Avenar detector 4000

Automatic Fire Detector

The automatic fire detector AVENAR detector 4000 features the ISP technol-ogy (Intelligent Signal Processing), and is characterized by accuracy and reli-ability of detection. Due to the Dual-Ray Technology, visible disturbance val-ues like dust are detected reliably. The eSMOG feature provides robustness against invisible disturbance values (e.g. electromagnetic waves by routers). During operation and maintenance, eSMOG offers constant measuring of electromagnetic fields. Mid- and long-term averages can be calculated and used to predict the exceeding of threshold values. This safes time and money when it comes to installations and trouble-shooting.

Denios: Cube

Hazmat Storage

In the new hazmat storage Cube all the varied interiors, such as radiators or air conditioners can be realized completely in Ex-version on request. The safety concept of the Cube includes an automatic adjustment of indoor and outdoor temperatures, thermal storage conditions or a clearly defined access control. Unlike other products on the market Cube provides maximum safety for humans and the environment, as a filling station, analytical and test environment or as an air conditioning/heating chamber. Modern sensor technology communicates with the user, informs of status changes and provides a valuable extra time to react to dangerous situations.

Dräger: X-plore 8000
Air Purifying Respirator

The Dräger X-plore 8000 powered air purifying respirator combines intuitive handling with intelligent electronics for maximum safety. This allows users to fully focus on the task at hand. The conditions in many workplace environments often place high demands on the respiratory equipment used. Dräger has specifically developed the X-plore 8000 to provide the wearer with the best possible protection, while not hindering performance, to enable the wearer to fully focus on their actual task. The X-plore 8000 features a heavy-duty design that also includes rubber protectors. The unit is protected to IP65 standards against dust and water jets from any direction.

Geze: FTV 320
Escape Door Lock

The escape door lock FTV 320 is part of the Geze SecuLogic emergency exit system and is used to control and monitor electrically locked doors on escape and rescue routes. It works according to the static current principle and offers break-open resistance of more than 5,000 N thanks to its three latches. It ensures maximum security in the event of danger, since the reliable unlocking of the door is guaranteed in the case of a power failure, even if there is a high latch sideload. It offers optimum retention force even for double-leaf doors, since up to three FTV 320 can be connected to one door control unit. The door leaf or frame installation options for various door types ensure versatile application possibilities for numerous requirements.

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Hekatron: Hekatron Remote
Remote Access to Fire Alarm Control Panel

Hekatron Remote allows full-scope access to all functions of the Integral IP fire alarm control panel from any location. Among others, these functions include remote reading of the event memory, central production of a maintenance report by just pushing a button, as well as programming and configuring the control panel by the installer. Hekatron offers two different solutions: Hekatron Remote Professional for installers to access display, control and programming functions, and Hekatron Remote Mobile as APP for installers and operators to access fire alarm control panel display and control functions.

Indexa: SGK500-3
Stove guard

The stove guard consists of two parts: The sensor unit and the control unit. The integrated infrared and temperature sensors detect temperature and temperature changes and trigger an 80 dB(A) alarm signal in critical cooking situations. If the prealarm is not turned off by pressing the button on the device, a radio signal is sent to the control unit which automatically cuts off the electricity supply. A built-in intelligent timer detects if the hob has been left on and cuts off the electricity supply after a preset time. The sensor unit is simply attached to the cooker hood with integrated magnets, the control unit can be installed by an electrician in a few minutes. The device complies with the EU standard EN 50615:2015.

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Minimax: UniVario
Impulse Air Flushing device

In dry and powder-filled areas, small particles often soil the optics and reflectors of optical fire detectors. An Impulse Air Flushing device prevents these contaminants permanently on UniVario industrial fire detectors. The Air Purge Unit attached to the UniVario flame detector is connected to an Impulse Air Unit. Using a timed solenoid valve, the Air Purge Unit is regularly supplied with short, relatively high pressure air blasts by the Impulse Air Unit. Compared to Air Flushings, that continuously deploy compressed air, the cleaning effectiveness is improved and the compressed air consumption is significantly reduced, resulting in cost savings. Manifolds supply up to 4 Air Purge Units with only one Impulse Air Unit.

Tyco: Zettler Profile
Fire Detection System

Zettler Profile is a powerful fire detection system that uses MZX Technology at its heart. Due to the VdS certified MZX Technology, the system is highly resilient to external factors such as electrical noise or sources of false alarm. The new touchscreen user interface with context sensitive help has been ergonomically engineered so that every operation is made easy. Features such as the touch sensitive LEDs that provide detailed status information ensure a fast response to all system events. The sleek and discreet touchscreen user interface can be shallow mounted in many architectural environments. With up to 2000 loop points in a maximum of 8 ring lines the system is positioned for many scenarios.

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Category C:

CCTV, Videosecurity

Arecont: SurroundVideo Omni Series

Multi-sensor Multi-megapixel Cameras

Delivering revolutionary flexibility, Arecont Vision SurroundVideo Omni multi-sensor multi-megapixel cameras integrates up to four imagers, each with a choice of IR corrected lens, into an IP66 rated/IK-10 impact resistant dome housing. SurroundVideo Omni cameras are available in total resolutions of 12-megapixels (MP) WDR or 20MP, all with fast frame rates. SurroundVideo Omni delivers superior image quality and reduces overall system costs by covering larger areas with fewer cameras. An area typically requiring multiple pan-tilt-zoom (PTZ) cameras or multiple fixed cameras can be covered with a single SurroundVideo Omni multi-sensor camera. SurroundVideo Omni delivers comprehensive coverage and forensic detail. It is user-configurable to achieve maximum coverage in the desired areas of interest. As a result, SurroundVideo Omni eliminates the propensity of a PTZ to be facing the wrong way when an incident occurs.

Brickcom: OB-200Np-LR WDRPro-20X

2 MP Day/Night Outdoor Network Camera

Brickcom OB-200Np-LR WDR-Pro-20X is a two-megapixel bullet network camera designed for diverse outdoor applications. With the IK10 vandal proof housing, IP67 waterproof enclosure, built-in fan and heater, it can stably deliver the outstanding image in the changeable weather, and is the best choice for severe environments. Moreover, the powerful built-in IR illuminators are effective over 100 meters, which is capable of providing the superior clear image for users in the low lux situations. Thus, it will be deployed in the long and narrow road, port, highway, and runway. Besides, embedded with Brickcom 120dB WDR enhancement technology, the camera is able to display the crystal clear image in the scene with high contrast, strong backlight, or light reflection. Additionally, the function of 20 times auto focus enables users to not only focus precisely and quickly, but track the moving object easily.

Axis: Q61-Series

Dome Camera for Sharp Images Above the Horizon

The dome geometry of the AXIS Q61-Series Sharpdomes prevents the optical contortion which usually appears with domes in the line of horizon. It also enables cameras to offer the unique capability to identify objects as much as 20° above the camera horizon. Another highlight is the so called Speed Dry function: the high-performance engine moves the dome quickly and hereby removes water drops from the bubble. The highly compact construction and features such as 30x optical zoom with up to HDTV 1080p resolution, Lightfinder technology, WDR (130dB) and support electronic image stabilization complete the offering. The cameras are for indoor and outdoor applications.

Comnet: CNGE2+2SMS

Light Managed Industrial Switch

The CNGE2+2SMS[POE][HO] is a 4 port intelligent switch with light management functionality designed to work from -40° to 75°C, Made in USA. Providing exclusive functionality for easy installation including DIP switch based programming for RSTP to create ring networks as well as preventing network video flooding of multicast traffic when used in a linear or star topology. The switch allows you to build your IP Surveillance network topology easily, aiding setup and eliminating programming – no laptop required, avoiding the high cost of Managed Switches. As an option it can be ordered with PoE++ up to 60W on 2 ports. Measuring 10.4 × 9.4 × 3.7 cm, it is one of the smallest switches available on the market and has a lifetime product warranty

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Dahua: IPC-HFW81200E-Z
4K Ultra HD Network IR-Bullet Camera

Driven by ever growing demand for high definition and the development of image processing, 4k is playing an increasingly vital role in video surveillance. Dahua's 4K ultra HD Network IR-bullet IPC-HFW81200E-Z adopts an 1.8-inch exmor sensor, providing unbelievable image quality and low-light effect, its IR LEDs is up to 50 meters, which helps to render clear images in dim or dark surroundings. The camera supports max 30fps@8MP(3840x2160) real-time encoding, producing images of high definition during smooth running. Meanwhile, IPC-HFW81200E-Z adopts 3.1-13mm motorized lens, which is enable to zoom and focus automatically at the very same time. Moreover, the camera provides functions such as ultra defog, RoI, and intelligent detections, including tripwire, intrusion, scene change, missing/abandoned, making surveillance clearer, smarter and user-friendly.

Flir: T43
Thermal Mini Bullet

Flir leads the pack in thermal security technology with the new T43 Mini Bullet – innovating the first class of cameras to combine 24/7 high-contrast thermal video and high-performance built-in video motion detection (VMD) with a level of affordability that the industry has never seen. FLIR thermal cameras give you the advantage to see clearly in complete darkness without any illumination, in bright sunlight, through smoke, dust or even light fog. Delivering intrusion detection, video alarm verification, lighting control, and people counting (retail traffic flow, queue management, etc.), the T43 Mini Bullet enables a whole new range of applications for thermal imaging in one affordable device.

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Genetec
Innovative Solutions

Geutebruck: G-Scope/3000
Professional Desktop

G-Scope's 64-bit video engine guarantees top performance. The integrated GPU acceleration processes images 3 times faster, while the dual database architecture ensures rapid access to stored images and a high level of tamper protection. The HD-based video management solution (with up to 24TBytes storage capacity and 32 IP plus 16 analog cameras) serves as a standalone device, networked for distributed sites or in a centralized system. Integrated video analysis, simple user interfaces and wizard-guided setup make it easy to work with. HW and SW from a single source are perfectly matched. The operating system resides on a separate SSD card. Redundant power supply and application specific VA tools are optional.

Idis: DirectIP
One-stop-shop, Full-HD Surveillance Solution

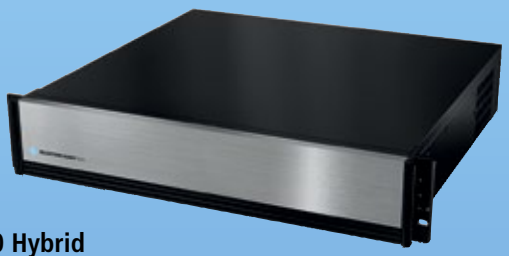
Packaged as an affordable end-to-end solution, comprising a range of cameras, network video recorders, comprehensive video management software and network accessories, IDIS DirectIP includes everything required to implement a high performance, networked and full-HD surveillance solution that now encompasses a range of UHD monitors and video walls. With DirectIP, IDIS has eliminated complicated configuration, reduced installation and maintenance costs, ensured simple, everyday use and low power consumption – resulting in a significantly lower total cost of ownership. Plug-and-play simplicity and the DirectIP one-stop-shop solution delivers benefits across the security buying chain without compromising on product performance, quality or reliability.

Mobotix: i25
Hemispheric Indoor Camera

The i25 Hemispheric camera for indoors delivers a high-resolution 180° panorama image with no blind spots and its compact design blends seamlessly into the surroundings. A single i25 covers an entire room from wall to wall. It can replace four conventional CCTV cameras without any problems, saving money in the process. Available with either day or night sensor (color or black/white lens), the i25 is perfectly suited to demanding indoor applications with poor lighting conditions. The i25 also features extremely light-sensitive 5-megapixel sensors and facilitates high-contrast images without motion blur, even in poorly illuminated surroundings, thanks to MxLEO (Low-light Exposure Optimization). The integrated MxActivitySensor detects even the smallest movements and reduces the number of false alarms.

Hikvision: DarkFighter DS-2DF8223I-AEL 2MP 23X
Network IR PTZ Dome Camera

As the world's first 1080P Full HD ultra low illumination network PTZ, Hikvision DarkFighter camera features a large, two-megapixel, 1/1.9" HD CMOS sensor for capturing full color images down to 0.002 Lux and B/W to 0.0002 Lux. Together with a 120 dB WDR, 3D DNR technology and 23X optical zoom, the camera is capable of streaming full HD 1920 x 1080 video at full frame rate in any difficult light conditions. IR distance of up to 200 meters is further supported to ensure image capturing in darkest environment. Rounding out this, the DarkFighter PTZ has the full range of smart features – face detection, intrusion detection, line crossing detection and audio exception, as well as smart tracking, defog ability and electronic image stablisation, benefitting users with great improvement on security efficiency.



Milestone: Husky M50 Hybrid
NVR with Integrated Video Management Software

Milestone Husky M50 is a premium, customizable, rack-mounted solution combining high-performance, robust, industrial-grade hardware and XProtect video management software (VMS) for advanced installations with sophisticated surveillance needs. One of the reasons analog systems are still here is because they are easy to use, and easy to install. Milestone Husky M50 Hybrid is a product meant to give the analog experience in a digital way. The build-in encoders enables an easy transition to digital video at the customers pace. The installed software is Milestone Open Platform giving easy interconnect possibilities for link to a central system. Mobile clients with video push enables a smartphone to be used as a security camera – smart for extra documentation on the spot. All M50 fits in the same space as a traditional NVR..

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Samsung: SNP-6320RH

IP-Speed Dome with Integrated IR-LED

Samsung Techwin introduces the 32x Full HD auto tracking PTZ speed dome with unique IR LED focusing technology. The SNP-6320RH Full HD (1920x 1080) auto-tracking speed dome has built-in IR LEDS which illuminate objects at a distance of up to 150m by focusing the beam as the camera zooms. It is also equipped with an IR corrected lens to ensure sharp night time images even under mixed lighting conditions, such when IR LEDs are operating in low ambient light. Auto tracking enables operators to monitor the movement of people or vehicles, whilst remaining hands-free to control other cameras. Samsung Techwin's proprietary encoding technology enables the SNP-6320RH to capture images at an ultra fast frame rate of 60fps. It is weatherproof to IP66 as well as IK10 vandal resistant, and can withstand high temperature variations of -50 °C to +55 °C.

Sony: SNC-VB632D

Weather Proof IP Camera with LED Lighting

The Sony SNC-VB632D is a IP bullet camera with 1/2,9"-Exmor-CMOS-Sensor that provides 60 sharp frames per second and a dynamic range up to 90 dB in Full HD with the Ipela Engine EX. It employs a new Dual Light system with infrared illuminator and white LED as a deterrent what makes it to an ideal all-in-one-cam for transportation and city surveillance. The illumination system enables clear images in black and white and color in unfavourable conditions. During the night-time the IR illuminator enables recording of objects up to a wide range of 30 metres in black and white. The video motion detection activates the white LED automatically, enabling a clear identification of objects up to 5 meters in full color.

Vivotek: IB8367-R

2-Megapixel Daisy-Chain PoE Bullet Network Camera

Vivotek IB8367-R is a stylish, bullet-style network cameras designed for diverse outdoor applications. The IB8367-R is the world's first network camera designed with embedded extender to allow PoE input and PoE output. Vivotek has innovatively designed the IB8367-R with embedded PoE extender, which enables a surveillance system to be extended to up to 300 meters without the need for additional power supplies. Users can implement a total PoE solution perfectly. Equipped with a 2MP sensor enabling viewing resolution of 1920x1080 at a smooth 30 fps, the IB8367-R is an all-in-one outdoor camera capable of capturing high quality and high resolution, especially in low light environment. Incorporating Smart Stream and 3D Noise Reduction Technology, the IB8367-R can substantially reduce bandwidth consumption while enhancing image detail at the same time.

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Category D:

Access Control, Intruder Alarm, Perimeter Protection

Aug. Winkhaus: blueMatic EAV3

Motorized Automatic Locking System

blueMatic AV3 is an innovative solution for entrance doors. The electronic automatic locking system offers innovative hooks with combined sealing elements which make for a smooth yet even stronger seal. A central magnetic trigger enables a smooth locking mechanism: The door is already locked simply by closing it. An optional daytime latch can be easily mechanically activated with a handle and serves to hold the door open briefly, much like a conventional door strike. blueMatic EAV3 can be controlled with potential-free contacts – by fingerprint, radio or other systems. If there is a power failure, the lock can also be locked and unlocked using a key. The locking system can optionally include a drive unit to rotate revolving doors an ideal function for facilities such as hotel or hospitals. blueMatic EAV3 also works with this solution to ensure burglar resistance in compliance with DIN EN 1627–30 resistance class 2. It is the only security door lock on the market to have a daytime latch with a change-over function integrated into a single component in the keep.

Gretsch Unitas: GU Secury

Automatic Access Controlled

"GU Security automatic access controlled" is an overall solution for house entrance doors – secure, comfortable and barrier-free. It combines multi-point locking, data transmission and door control with fingerprint scanner. The highlight of this solution is the „Insured with the door just pulled shut" convenience: no manual locking is necessary with the automatically locking locks. At present, GU-SECURY Automatic access controlled is the only existing electronic locking system with VdS grade B certification using a fingerprint scanner to control a house entrance door. Apart from the safety provided by its self-locking locks, the overall system for modern house entrance doors offers a maximum degree of convenience thanks to the use of fingerprint scanners and also through its suitability for barrier-free construction.

Abus Security-Center: Secvest

Wireless Alarm System With Remote Access

Secvest is a wireless alarm system that stops the intruder from penetrating the building in the first place thanks to its globally unique mechatronic burglary protection. Like its predecessor Secvest 2Way, the new Secvest offers reliable protection against intrusion, fire, flooding and emergencies. But this model goes one better, offering remote access through a web server, thus making configuration, installation and maintenance even easier for the installer. The Secvest app allows the user to operate their alarm system remotely from anywhere in the world and to receive feedback messages – such as alarm notifications or live video verification – directly on their smartphone. It also allows for presence simulation to be triggered remotely.

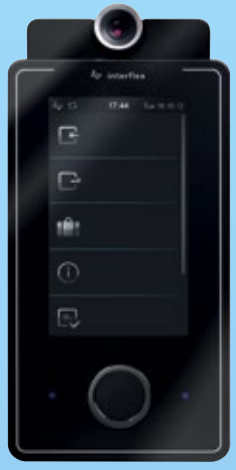
Bosch Security Systems: MAP 5000 COM

Modular Alarm Platform

The Modular Alarm Platform MAP 5000 COM module is a solution for securing medium-to-large applications such as museums, banks or department store chains. MAP 5000 COM offers an integrated IP alarm communication with redundancy via GPRS (General Packet Radio Service) which use the German VdS 2465 protocol. Alarms encrypted with AES 256 can be transmitted. The usage of Ethernet and IP for the transmission and the integration of the transmission device into the control panel itself simplify the solution design, reduce investments and operating costs and improve at the same time reliability of the entire system. The MAP is certified in accordance with VdS class C. The innovation: The MAP 5000 COM is the first intrusion alarm panel with an integrated IP alarm communicator using the VdS 2465 protocol in the market.

Interflex: eVayo-Terminal IF-5735
Time Recording/Access Terminal With Camera

Companies often discover attempts to circumvent the existing systems for time recording or access control. Therefore Interflex now offers its eVayo terminal IF-5735 with an integrated camera. When an employee records working hours, a photo is taken and assigned to the time record. In case of a suspected fraud the recorded photos can be called up any time and compared with a photo from the personnel master data file. This way misuse of transferred, lost or stolen credentials can be detected. The new feature on the terminal can also be used as a monitoring camera for the existing access control system.



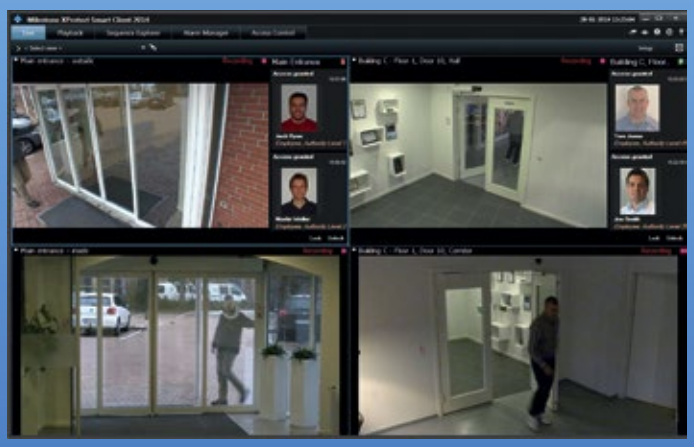
Kaba: evolo smart App
Access Management Using Your Smartphone

The Kaba evolo smart app is a simple access solution that is ideal for smaller businesses such as workshops, shops, petrol stations and handicraft businesses, which only need to secure a few doors. On an NFC-enabled smartphone, this app can be used to capture access media and also to configure the door components (digital cylinders and door fittings), making it quick and easy to load people's access rights onto the doors. If any access medium is lost, then simply delete it by using the Kaba app. Access rights can also be assigned to employees for a limited period of time. This free app does not require any internet connection for programming doors – the entire system works locally. No specialist knowledge is required! The hardware installed on doors can be easily transferred to more extensive access management systems at a later point in time, so the investment is secured for the long term.

Vote!
www.security-award.com

Milestone: XProtect 2014
Access Control Module

Successfully uniting access control and video into one powerful security solution, Milestone introduces XProtect Access Control Module, an add-on product to Milestone XProtect video management software (VMS). Extending the capabilities of the Milestone Integration Platform, XProtect Access Control Module enables easy integration of third-party access control solutions with Milestone video management solutions. XProtect Smart Client users have a consolidated interface to operate access control systems with dedicated functions to effectively monitor access events, manually assist passages and conduct investigations on specific access points or cardholders. A traditional access control system knows cards and activation of sensors. By adding video you not only heightens security, you gain knowledge about the incident and by doing the integration into the VMS you get a simple user interface, you have access to all the data the VMS contains – and can link to HR systems and more.



phg Peter Hengstler: Voxio-Touch
Multi ISO RFID Access Control Reader

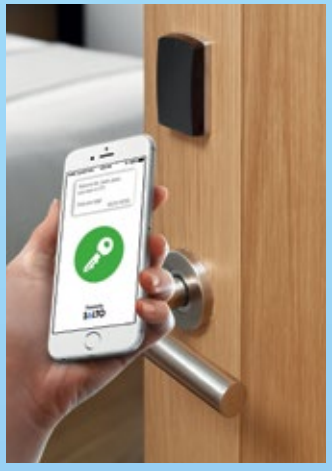
The Voxio-Touch connects a high-quality impression with operation convenience and the possibility of individualization. The status information is realized by using 3 RGB LED's which are separately controlled in different colours as well as a one colour light bar. Luminous colours and intensity are adjustable and can be customized to the environment or the corporate identity. Keyboard and icon will be illuminated by white backlit which intensity is adjustable. Behind the attractive design conceals the innovative technology: Multi-ISO OEM RFID-access control reader which supports LEGIC prime/advant und Mifare classic/DESFire at the same time. The communication is based on the RS485 interface and the software protocol phg_crypt. Innovations are the Multi ISO RFID-Technology, the communication protocol, scaleable security concept as well as the easy connection possibility offers system integrators a lot of innovation possibilities.

GIT SECURITY AWARD 2016 FINALIST

primion: ADT 1200
Multi-Function Terminal

The new ADT 1200 multi-function terminal from primion Technology AG offers the same high levels of performance that we have come to expect from entertainment electronics consumer products. It can be deployed as a pure time recording terminal and can also be used for access control. Individual additional functions such as fingerprint readers are available as build-on modules. The 7" touch screen offers a wide range of possibilities, starting from the classical time recording app to a complex factory data collection app or a high-security solution with access queries supported by a comparison of live images with stored images or audio-visual communication to a Service Command Centre, e.g. for Data centres. Innovations: The segregated application architecture increases security. Internal databases encrypt all stored data. And the terminal has a universal power supply and offers the highest levels of serviceability.

Salto: JustIN
Mobile Key Technologie



Salto´s JustIN Mobile Key Technology allows users to use their smartphone to access doors. An end-user only needs to download the JustIN Mobile Key app to his BLE-enabled smartphone and then to communicate to the key issuing authority that he wants to receive his door key via his smartphone. The operator needs only to select from the ProAccess SPACE software to send the encrypted key securely Over The Air (OTA) to the user's smartphone. With the JustIN Mobile Key app previously installed, the app will alert the user that a new Mobile Key has been received. The user then simply opens the app, receives a greeting including the door number to be opened, taps the key icon on the app as he presents the phone to the BLE-lock. The lock recognises the correct access credentials and opens.
Innovation: Use a smartphone as credential. Not limited to a specific telecom operator or handset maker, which means flexibility for the end-user and facility, plus the facility issuing the JustIN Mobile Key can personalise the technology inside their own app if desired. JustIN Mobile Key is a complementary and potentially substitute technology to traditionally issued smartcard credentials.

SimonsVoss: Smart Intego
Product Line For Integrated Access Control

With the system integration solution SmartIntego connections to existing complex access control systems are easy. System component auto-configuration in the SmartIntego Manager ensures that there is far less work involved in component integration compared to other systems. In many buildings an extensive access control system is often already installed, usually a card-based system with an online access control station. Access authorizations are stored there and also secure the classic offline card reader. With the development of SmartIntego SimonsVoss provides the ideal solution to handle system integration into already existing access control systems. SmartIntego consists of the electronic components locking cylinder, door fitting SmartHandle and GatewayNode. SmartIntego supports the transmission standards of all conventional card formats such as Mifare Classic, Plus, DESFire/EV1, Legic Advant UID, HID iClass UID and Mifare UID. Installation is performed without any cables and drilling. With a battery life of up to 80,000 locking operations in online mode, the components do not require any maintenance for several years.

Vote!
www.security-award.com

Uhlmann & Zacher: CX6172
Electronic Door Handle

Be it interior doors, storey doors or connecting doors – the electronic door handle CX6172 in a timeless stainless steel design can be installed in virtually all commercially available doors and controls access to the doors electronically. The complete electronics, mechanical parts, LED signaling as well as power supply have been fitted into the small space of the door handle. The installation in doors – without wiring or need for special tools – takes almost no time at all even if you are not an expert. If required, the door handle can also be controlled via a wireless network. The electronic door handle with its extremely compact construction and minimalistic design is unique to date. It is also very easy to install – the existing mechanical door handle is simply replaced by the electronic door handle – without wiring or special tools. The electronic door handle can be operated offline and online.

Category E:
Safety And Security Management

Vote!
www.security-award.com

Astrum IT: VISIT.net
Web-Based Visitor Management

The web-based visitor and truck management system VISIT.net manages visitors and vehicles across locations on the premises, taking into account all relevant data. The system is modular, so to the basic module various other modules can be added. Such as License Plate Recognition, safety instruction, sanctions list check, parking management or self-registration. The system is able to support multiple clients. So larger locations can be systematically divided into clients or client groups. With this system visiting processes can be efficiently arranged, confirmed, started and finished. Individual administration of roles and privileges makes the system safe. Security officers keep track of what's happening at the site by evaluable data track. The system is intuitive and used in the holistic visiting process – from the appointment until the adoption. So waiting times are reduced for visitors and the staff gets assistance at the reception and the gate.

Bosch Security Systems: EffiLink
IP-Based System Platform For Remote Services

EffiLink is a completely IP-based system platform for services like remote diagnostics and programming. This solution offers a secure connection of customer systems to the Bosch monitoring center via Internet or BoSiNet and is hosted in the Bosch data center in Germany. The continuous surveillance of the system status enables early detection of potential disturbances, which means that an on-site technician would not be needed in certain cases. This improves the availability of systems and saves time and money. Data security on EffiLink is safeguarded at all times by a sophisticated authentication and authorization management. All services have to be actively requested by the customers; remote connections are not possible without the customers' order. Innovative: Bosch Security Systems is the first supplier of a completely IP-based, manufacturer- and system-neutral Remote Services platform for remote diagnostics and programming in the market.

Deister: TLD200
Textile Distribution Systems

Lockers with integrated RFID antennas that automatically identify the locker's content as well as removals and returns of clothing items. Typically these lockers are used in hospitals to distribute the staffs work clothes. Clothing is securely stored and removal of clothing is fully automated. There is no need for extra staff. Before opening a locker all users must identify themselves using an RFID card or tag. All clothes are also tagged with RFID tags. Clothes being removed or returned are automatically identified by the locker's integrated reader and tracked in the software. That way it is easy to get a precise overview and manage the stock of clothing accordingly. The special design of the integrated reader is able to read and cover the complete inside of the locker. All items are always identified.

Deutsche Telekom: Managed Physical Security
Secure Building Solutions

Managed Physical Security is a future approach for alarm control centers. It has a modular concept and respects customer business processes as well as individual normative requirements. The concept contains alarm-intervention-services and remote- and managed services. Also a customer hotline and coordination of field service technicians in case of bug-fixing and maintenance issues is part of the offering. – Networked physical security solutions will support customer business processes much wider than single solutions can do. Thereby customer service requirements will rise as well. Managed Physical Security is a right concept for these requirements.

GIT SECURITY AWARD 2016 FINALIST

Iscon: SecureScan
Personnel Screener

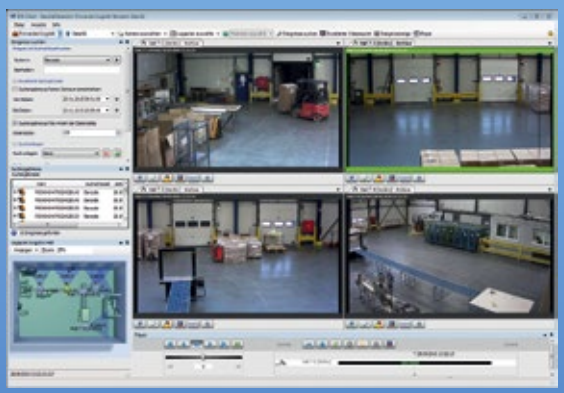
Utilizing Iscon Imaging's patented infrared (IR) imaging technology, SecureScan Whole Body Personnel Screener is a whole-body imaging solution for front-line protection of employees and assets. The SecureScan solution allows users to view objects hidden under clothing, such as weapons or merchandise, ensuring the accurate detection of theft or threats. The innovation: All types of items can be identified with SecureScan whether plastic, metal, powder, wood, ceramic, liquid or encapsulated products, allowing operators to screen for a wide range of merchandise. – The SecureScan displays a high-resolution image from an advanced IR camera on an intuitive touch screen interface, which controls all system administration and management. SecureScan records images securely, adding time and date stamps for use in future prosecutions.

Milestone: XProtect Corporate
IP video management software (VMS)

XProtect Corporate is a powerful IP video management software (VMS) designed for large-scale and high-security deployments. Its single management interface enables the efficient administration of the system including all cameras and security devices regardless of its size or if it is distributed across multiple sites. For systems demanding supreme situational awareness and precise response to incidents, XProtect Corporate features interactive maps linked to alarms and includes XProtect Smart Wall. It provides the ultimate system reliability for high-security installations. Edge Storage support combined with failover recording servers and redundant management servers ensure video recording is never interrupted. XProtect Corporate has a new feature that might revolutionize the way to use a VMS in the future: The metadata engine enables searches to be up to 1000 times faster. Metadata is data about video. It could be GPS-data, output from in-camera analytics, data from access control systems or CRM-systems. XProtect Corporate has the ability to link video and external data. This enables superfast answers to questions like – "Was it really John Brown entering the building today?"

phg: Permetio/NMT
NFC Mobile Tool And Electronic RFID Furniture Lock

The NFC mobile tool and the battery-operated electronic RFID furniture lock Permetio is a system to use and administrate stand-alone solutions. The RFID furniture lock based on Multi ISO platform (LEGIC SM4200M) is simply integrable in roll-fronted cupboards, drawers, double doors, lockers, glass cabinet … The lock stores authorisation and log data. The lock configuration occurs about master-cards or the NFC-Mobile-Tool „NMT" in combination with a PC software named „Access Manager". The NMT is a universal handheld-tool for bidirectional communication by RFID HF interface which is powered by rechargeable batterie. The complete system is controlled by the software "Access Manager". Configuration data are loaded above the interface USB in the NMT and are distributed afterwards mobile to the locks. The mobile collected lock data are loaded on the PC and can be exchanged when required by CSV-file with other systems.



SeeTec: BVI
Process Support With Video Technology

Themed „Business Video Intelligence", SeeTec AG develops solutions, which combine image streams with data related to transactions and processes. SeeTec BVI makes it possible to integrate video technology with business processes, which as a result contributes directly to a company's value creation. A specific research client makes the research for particular events very simple and convenient, based on flexible driver technology 3rd party systems can easily be connected. Interfaces to database-driven systems such as PoS or ERP solutions or to individual devices such as ATMs provide the opportunity to support processes in various industries such as retail, logistics or banking through a combination of video footage and transaction data – thus saving time, costs and increasing process security. SeeTec BVI combines requirements regarding security and the support of business processes in one joint system approach and infrastructure. It is not limited to pre-defined data sources but can be seamlessly embedded into business processes through its flexible interface concept.

Genetec: Sipelia

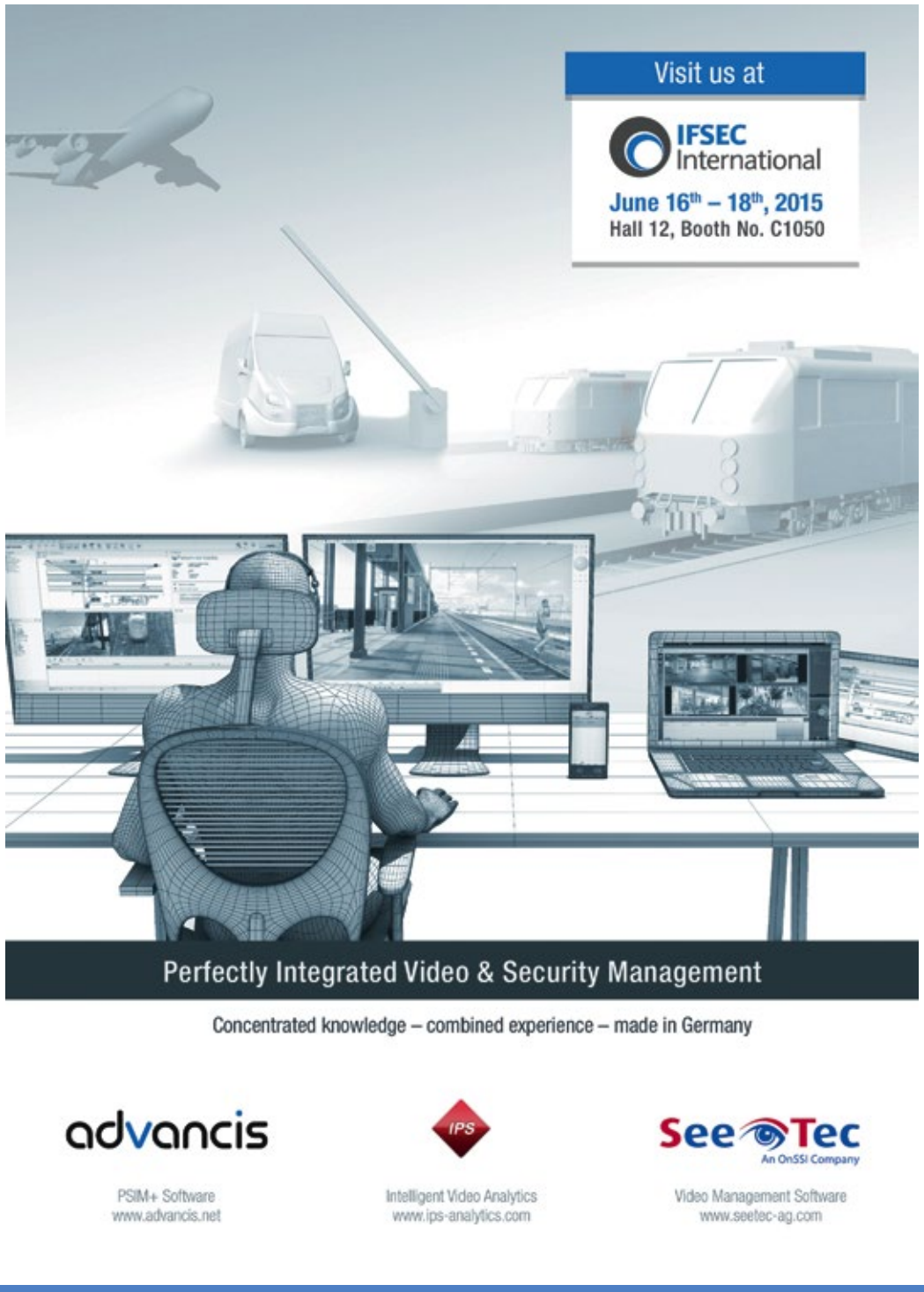
SIP-Based Communication In Security Management

Sipelia Communications Management enables seamless SIP-based communications between operators and intercom devices. As a module of Genetec Security Center, intercom communications become linked to your security systems over your network. This helps improve situational awareness and effectiveness, allowing personnel to respond to calls, identify callers through live video, and permit access through doors from the same user application. For more efficient communications during a coordinated response or any routine activity, operators can participate in video calls with one another directly within the Security Center user interface. – The unified platforms for access control and video surveillance will now include integrated intercom communications management. Standardizing on Session Initiated Protocol (SIP) protects your investment in intercom technology.

Indanet: Synergy 3

Physical Security Information Management (PSIM)

Synergy 3 is a user-oriented physical security information management platform and integrates the various subsystems such as video, building control, fire – and burglar alarm systems and many other systems in a single uniform user interface. Synergy 3 is an open, vendor-independent and extensible management platform for all needs in the area of safety and hazard detection. It delivers a uniform flexible, graphical user interface (GUI), easy to set up and used in accordance with the user requirements. It includes more than 150 interfaces from different manufacturers and subsystems such as video, access control, fire alarm, burglar alarm – or building automation, fence surveillance and much more. Synergy 3 is a comprehensive tested system, used worldwide and monitored a total of several hundred thousands of devices and sensors (cameras, fire – and alarm sensors of all kinds) in industry, transport, infrastructure, energy, public service or casinos.



VIDEO SURVEILLANCE

Let's Go To London

Bosch Intelligent Security Solutions On Show

From 16th to 18th of June, Bosch Security Systems will showcase its innovations and technologies in the South hall on stand F700 during this year's IFSEC International in London. Many existing products and some new ones from the company's portfolio of video, intrusion, communication and fire solutions will be on display.

The Paviro system will be on show for scrutiny by specifiers and integrators

A wide range of surveillance cameras will be on show

Being launched at IFSEC is the range of Flexidome IP panoramic cameras. Providing a complete overview in a single image, the IP 7000 MP indoor camera gives a full 180-degree or 360-degree view of a particular area with 12 megapixel sensor resolution at 30 frames per second. It features a full suite of on-board intelligent video analytics to ensure that operators are alerted when needed. For both indoor and outdoor applications, the company also offers the 5000 MP, a very small 360-degree dome design combining a 5 megapixel sensor at 15 frames per second with a fish-eye lens. Both cameras ensure a complete overview in a single image without blind spots and the easy capture of moving objects, significantly improving the performance of any video surveillance solution. Combined with the company's own Video Security Client software, the user can select up to 6 different viewing modes.

Bosch is extending its family of pan-tilt-zoom (PTZ) cameras with the launch of the Autodome IP 4000 and IP 5000 models. These motion control cameras help to locate, track and zoom in on details, providing relevant information that enable operators to react instantly and take accurate decisions. They add precise identification of objects of interest over large distances and hands-on control to all kinds of video surveillance solutions. The comprehensive range of cameras also includes high-end models such as the Autodome IP starlight 7000 HD and the IP dynamic 7000 HD, which includes Intelligent Video Analysis (IVA) technology as standard.

Outdoor Cameras

Punishing winds, relentless rain, powerful vibrations and temperatures that drop far below zero – no matter how severe the conditions get, a surveillance operation must go on without interruptions. The MIC IP 7000 HD family has been developed by Bosch for these extreme applications. These PTZ cameras combine high-quality HD image capture with an IP68/NEMA 6P certified housing, meaning they can be used at temperatures from -40 to +60 degrees Celsius and humidity of up to 100 percent. Even in extreme low light conditions (down to 0.01 lux) the MIC IP starlight 7000 HD provides HD images and clear color images where some other cameras would have already switched to monochrome.

Listen Up

Paviro is the first of a new breed of public address and evacuation systems from Bosch. EN54-certified and extremely efficient in power consumption, the system's highly flexible system architecture makes it an attractive, complete system solution for small to medium-sized installations such as office buildings, regional airports, hotels, factories, schools and department stores. As a sound reinforcement solution, it provides high audio quality; as an evacuation system, it ensures high reliability; and as a public address system it gives a high level of clarity and intelligibility. The operational costs of the system are extremely low due to the use of high-efficiency class-D amplifiers as well as intelligent power-management hardware and software.

Bosch's Integration Partner Program is a big success and the list of integration partners is getting longer as the products are suitable for integration with many 3rd party solutions. A number of partners will be present at the company's booth to show how their software or storage solutions seamlessly integrate. The manufacturer's portfolio is so extensive that not everything can be shown on one IFSEC booth. However, a glimpse will also be given into their intrusion, fire, data storage, cloud-based services and software solutions. Representatives will be on the stand to inform on topics such as 4K resolution, intelligent video analysis, Starlight cameras and intelligent dynamic noise reduction.

CONTACT

Bosch Security Systems
Grasbrunn, Germany
Tel.: +49 89 6290 1647
erika.goerge@de.bosch.com · www.boschsecurity.com

Video Analytics Cloud Service for Business Intelligence Applications

Agent Video Intelligence (Agent Vi), a provider of open architecture video analytics software, has announced BI Portal, a cloud-based video analytics service which allows aggregation, analysis and presentation of data acquired from surveillance systems at different locations through a single, web-based interface. This is added to savvi, the company's video analytics platform that provides real-time event detection and video search. It enables functions such as people and vehicle counting, occupancy, crowding and speed analysis and presentation in a wide variety of user-friendly statistical reports.

IFSEC · Stand E750 | www.agentvi.com

Outdoor IR Camera

With the DF4820HD-DN/IR, Dallmeier has launched an IR camera developed and manufactured in Germany to complete its camera portfolio. It is a weather-proof 2-megapixel HD network camera with automatic day/night switching and integrated infrared illumination. The camera provides real-time Full HD video (1080p/30) using the H.264 codec. This smaller version of their DF4920HD-DN/IR 3-megapixel IR camera supports resolutions of up to 2 megapixels with the same high image quality and the full range of functions as the larger model.

www.dallmeier.com

Single-Sensor 7K Camera

Avigilon Corporation showcased the security industry's first single-sensor 7K (30 megapixel) security camera at the ISC West 2015 trade show in Las Vegas, USA. Delivering very high image detail, the 7K HD Pro camera simultaneously provides maximum scene coverage while minimizing bandwidth and storage consumption. The camera offers horizontal resolution exceeding 7,000 pixels and more than 30 million total pixels. A 6K (24 MP) HD Pro version of the camera was also released. The cameras are supported by the company's Lightcatcher technology, which provides a superior level of low-light performance.

IFSEC · Stand G950 | www.avigilon.com

Access Control Integrates with Cylinder Lock

Paxton, a manufacturer of electronic access control and door entry solutions, has announced the integration of its Net2 networked access control system with Uhlmann and Zacher's Clex cylinder lock. This can be fitted to a door with minimal drilling and easily integrates with Net2 software and access control units through a Wiegand connection relay. The cylinder lock is battery powered with a proximity reader and includes either a single or double-sided integrated reader in Mifare and EM 125kHz variants.

IFSEC · Stand G1500 | www.paxton-gmbh.de

VIDEO SURVEILLANCE

In Partnership

The Samsung Stand at IFSEC 2015 Will Interest End-Users and Integrators Alike

As in previous years, visitors to the Samsung Techwin stand will be able to see demonstrations of the company's video surveillance solutions within the context of a number of vertical market scenarios on its stand at IFSEC International. The theme for 2015 will be ‚Securing your future through partnership'.

There will be no escaping the wide range of cameras on show

Tim Biddulph, who has recently been appointed Head of Product and Marketing for Samsung Techwin Europe, explains the thinking behind the theme. „Visitors to our stand will have the opportunity to see demonstrations of a wide range of innovative and competitively priced video surveillance solutions. Equally important is that we will be taking the opportunity to highlight how Samsung Techwin can help installers and systems integrators generate new revenue streams through partnerships."

„In addition to highlighting the benefits of joining the STEP (Samsung Techwin Eco Partnership) program, we will also be demonstrating how in partnership with leading developers of innovative third party technologies such as video analytics, we are able to elevate video surveillance from being just a security system to being a smart solution that can deliver so much more to customers."

Tim Biddulph has been recently appointed Head of Product and Marketing for Samsung Techwin Europe

Lite Work

Among the products on show on stand G800 will be Samsung Techwin's new Wisenet Lite cameras and new NVRs equipped with a built-in PoE+ switch. These cameras and NVRs have been designed to work alongside each other to provide affordable ‚value engineered' solutions to meet the budget limitations, as well as to meet the functionality requirements of any video surveillance project. There will be an opportunity to get ‚hands-on' with these products, allowing customers to understand that there has not been any compromise in respect of performance or build quality.

„Our open platform WisenetIII models will also be prominently displayed," said Tim. „Since their introduction, these cameras and domes have proven to be highly popular with installers and systems integrators as the processing power of the DSP chipset is such that we can provide customers with the flexibility to choose the perfect combination of edge based applications and video management software (VMS) to best match an individual project's requirements."

CONTACT

Samsung Techwin
Weybridge, UK
Tel.: +44 1932 82 6700
stesecurity@samsung.com
www.samsungsecurity.co.u

Winner in SIA's 2015 New Product Showcase

The Security Industry Association (SIA) awards top products in its annual New Product Showcase and has included Axis' Zipstream compression technology in the Video Surveillance Advanced Imaging Technologies category at ISC West, making the company's second consecutive year as an NPS winner. It reduces bandwidth and storage requirements by an average of 50 percent and is fully compatible with H.264 and leading video management systems. It analyzes and optimizes the network camera's video stream in real time, preserving important forensic details like faces, tattoos or license plates, while irrelevant areas like walls and lawns are compressed harder to optimally use available bandwidth and storage. **IFSEC · Stand E1000 | www.axis.com**

Analog HD Solutions

TeleEye has unveiled a series of analog HD cameras and recorders, the JN500 Series of 4, 8 and 16 channel DVRs. As users' expectations and requirements for a comprehensive security solution with high definition imagery become more demanding, older surveillance systems are being upgraded and replaced. This solution provides the simplest way to upgrade existing analog systems from Standard to High Definition quality at 720p resolution without uprooting the current wiring or making a new IP setup: users can continue to use their existing coaxial cables. The solution comprises bullet and dome cameras and DVRs which are fully compatible with the company's video management software. **www.teleeye.com**

NVRs Answer Market's Need for More Storage

The Milestone Husky series of network video recorders now offers longer video retention and continuous high-resolution recordings. More storage enables customers like government organizations to meet 90-day video storage requirements or casinos to achieve continuous high-resolution recordings. Capacity ranges from up to 2TB on the Husky M10 to up to 48TB on the M50 model. A master/slave configuration is possible for certain models where users can view video from all connected cameras on the networked units by simply connecting to the master server. Xprotect Corporate VMS enables a site to be operated locally or remotely. **IFSEC · Stand E750 | www.milestonesys.com**

New Major Project Win in Norway

eyevis partner GCCD have announced a major new project win using 24× 70-inch EC-70-LHD-CP-1000 Cubes with netPIX and eyeCON software. Both companies, have worked tirelessly together to be selected on this exciting major new traffic control solution project in Norway for Statens Vegvesen, Region Vest (the Norwegian Road and Traffic Authorities). Project delivery and completion are slated for the 3rd quarter of 2015. With the existing blue-chip installation at Statoil now completed and acting as a landmark installation, both GCCD and eyevis see further opportunities to deliver visual solutions into the market. GCCD is a Norwegian company with its head office in Drammen, Norway. The company is a major supplier of complete control center solutions based on human factor evaluations. Extensive task and facility analysis goes into every control center delivered by the company. **www.eyevis.com**

Highly Automated License Plate Recognition Software

Working with the company's own video management software suite and Husky NVRs, Xprotect LPR 2015 is the latest release of license plate recognition software. As a fully integrated add-on component to the Smart Client, the 2015 version provides customizable match list fields and an extended reporting capability. It not only helps correct vehicles access decisions but also enables easy documentation of recognized vehicles with full details, video thumbnails and license plate close-ups. It works with 13 new country-optimized recognition modules and covers an extended geographical area of over 100 countries and states in total.

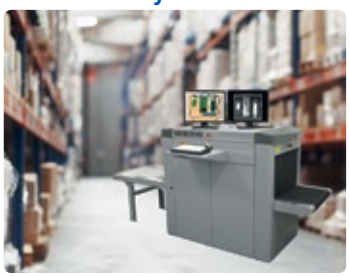
IFSEC · Stand E750 | www.milestonesys.com

Day/night Long-Range Bullet Camera

Added to the Xvision range from y3k is the XC960BN, an IP66-rated, long range IR bullet camera with smart IR night vision and a long 120m IR range for indoor and outdoor use. The user can quickly adjust its numerous settings such as lens, exposure, white balance, backlight and day/night to the most effective settings for the camera's environment. Plug-and-play cabling makes for easy connection to a compatible DVR or Monitor. The HD 960H resolution makes it suitable for commercial or domestic premises where a Super High Resolution image is needed. The Xvision varifocal 5 to 50mm auto iris lens gives viewing angles between 6° and 49°. Programmable highlight suppression and headlight compensation enables number plate recognition up to a distance of 25m.

IFSEC · Stand G550 | www.y3k.com

Documentation Package for Goods X-Ray



Geutebruck's G-Scope/1500-X is a compact member of their video management system family. It documents the RGB from X-ray scanners, for example at airports or in supply chain security. Space for it can usually be found within the X-ray equipment and, in addition, up to 10 network cameras can be connected. The process of goods or persons control is completely documented from different perspectives in the image. The image data can be linked with the process data of the serial bar code scanner or other in-house systems. The system is available for either one or two RGB signal sources and the data transfer from camera to server and to the playback station can be encrypted. **www.logistics.geutebrueck.de**

Combined Electronic and Mechanical Locking System

Abus has introduced their Vitess system employing a coded profile rib and multiple paracentric profiles. It has reliable protection against cylinder and key tampering, and can be tailored to suit specific requirements, right down to the type of cylinder and colors Developed and produced in Germany, it is possible for a single key to be used to open your front door as well as an apartment and cellar doors, and even a letterbox. With the combination keys, mechanical and electronic lock cylinders can be combined in one locking system. Together with the transponder in the key cap, it is even possible to control alarm systems and third-party systems. **www.abus.com**

Open Platform Video Management Software

OnSSI's Ocularis v5.0 brings new VMS capabilities, efficiencies, scalability and cost effectiveness. Built on an open and innovative platform, the software is designed to enhance security by providing comprehensive system management and workload simplification. It is based on a new recorder that accommodates a significantly higher density of cameras per recorder while maximizing HDD storage without the need for user configuration. It features automatic load balancing for managing recordings across system servers, which yields up to an 80% increase in throughput while reducing storage costs. **www.onssi.com**

Smartkey Reader Launched

Morse Watchmans has released its new Smartkey reader for use with their Keywatcher system. By simply inserting a key into the reader, new keys can be added to the system, keys can be deleted or location information from existing keys can be instantly read. „Our automated key control systems eliminate the need for manual storing, logging and tracking of key access and usage and now we have automated key additions and deletions as well as location status," said Fernando Pires, VP Sales and Marketing. „With this free-standing device, errors can be reduced, efficiencies improved and most importantly, security can be enhanced." **IFSEC · Stand E1800 | www.morsewatchmans.com**

VIDEO SURVEILLANCE

Duty Calls

Vehicle-Mounted Cameras Assist the Istanbul Fire Brigade

Istanbul, a city of 14.4 million and the sixth largest in the world, is considered the economic, cultural and historical heart of Turkey. Istanbul has a deep and rich history dating back to 660 BC. However, the city also has a long history of fires, which have taken lives and caused major damage to the city infrastructure. Today with 113 fire stations spread across both the European and Anatolian sides of Istanbul, the Fire Brigade has been responding rapidly to any kind of fire in Istanbul since 1874.

The Fire Brigade's fleet of fire trucks required tougher, more reliable IP cameras. There is probably no tougher test for an IP surveillance camera than to be mounted to the outside of a fire truck, driven across a major metropolis at high speeds in extreme heat or in rain and sleet, and still be expected to provide crystal clear video, but this is what the Istanbul Fire Brigade demanded. They needed video surveillance to protect the public of Istanbul, as well as the firemen of the brigade and their state-of-the-art equipment. The brigade's fire trucks required high quality video monitoring at both the front and rear as well the capacity to provide two-way audio functionality. They also required wide-angle coverage to scan the surroundings for hazards. To make the challenge even tougher, the cameras also needed to be absolutely vandal proof and withstand the rough and high-speed journey through the streets of Istanbul. Viewing on this tough challenge, the management of Istanbul Fire Brigade recruited system integrators Ishbak to help them find a better, and more robust solution.

Vivotek produces a wide range of IP cameras and often works with system integrators to find a number of different cameras to match the requirements of the end user, but in this case they had one single camera that was built for job. The MD7560 Fixed Dome Network Camera is custom designed and manufactured to provide the highest quality video and audio surveillance while sitting encased in a vandal-proof shell that protects it from the roughest treatment and the most extreme weather.

The MD7560 Fixed Dome Network Camera provides the highest quality video and audio surveillance encased in a vandal-proof shell

Clear Analysis

A total of 500 MD7560 cameras were mounted on both the front and rear of the fire engines. The compact 2 megapixel camera is equipped with a wide-angle fixed lens, producing broad coverage of the busy streets and buildings. Providing high definition 1600x1200 resolution, the camera delivers extremely clear and detailed images. This means that while attending to a fire, if any event takes place that needs to be analyzed later, the footage can be used as forensic evidence. The camera also provides clear two-way audio, enabling rapid communication between members of the fire crew in situations when every second counts.

With full EN50155 compliance and IP67-rated design, the MD7560 can withstand shock, vibration, humidity, dust and temperature fluctuations, maintaining stable and reliable video during even the most jarring vehicle movement. Furthermore, the vandal-proof metal housing delivers robust protection from vandalism. The combination of high-resolution imaging and the protective housing endows the MD7560 with a set of features to best meet the tough requirements of the Istanbul Fire Brigade, serving and protecting the 14.4 million people of Istanbul.

CONTACT

Vivotek Inc.
Taiwan
Tel.: +886 2 8245 5282
sales@vivotek.com · www.vivotek.com

Energy-Saving Cameras

Dahua Technology of Hangzhou, China has introduced its Eco-Savvy 2.0 series of network cameras. They offer impressive surveillance features while maintaining the 'green' energy-saving concept of the Eco-Savvy equipment range, including the enhanced Ambarella S2LM chip. The new cameras feature a 4-megapixel progressive-scan CMOS, which delivers high quality images at 20fps. The end result is an image twice as clear as a traditional 1080p camera. The series features a range of smart detection features such as face detection, tripwire detection and intrusion detection, triple video streams and intelligent video surveillance. **IFSEC · Stand E1300 | www.dahuasecurity.com**

Product Range Additions

Salto will present a comprehensive new range of access control products and technologies on stand G1800 at IFSEC 2015. Consisting of both hardware and software, the JustIN technology makes its easy and secure to use smartphones as a part of an access control solution. The Mobile Key app allows the use of BLE-enabled smartphones to securely receive their keys online, anytime and anywhere, and then access doors directly with their phone. The mSVN (mobile Salto Virtual Network) permits extending or changing access rights instantly and remotely Over-The-Air using the app for NFC-enabled phones. **IFSEC · Stand G1800 | www.saltosystems.com**

Ultra-Megapixel Fisheye Network Camera

Vivotek has launched its Ultra-Megapixel fisheye network cameras, the FE8191 and the FE8391-V. The latter features a 12MP CMOS sensor and built-in IR LEDs. The 12MP CMOS sensor and 1.5 mm lens employed in both cameras provide 180° panoramic (wall mount) or 360° surround viewing (ceiling/floor mount), achieving unobstructed monitoring of wide, open areas such as airports, shopping malls, parking lots, retail stores, and offices. They are fitted with a removable IR-cut filter and WDR enhancement technology. The V version also has a vandal-proof IK10-rated and IP66-rated weatherproof housing. **IFSEC · Stand E555 | www.vivotek.com**

Remote Fire Panel App

When a fire detector raises the alarm, that is only the first step – you don't yet know which detector set the alarm off and where. A glance at the display on the fire alarm control panel could tell you, but you have to be standing in front of it. The ERA (Esser Remote Access) solution now lets you know while you're away or in your office. It brings the status messages of every individual detector onto a smartphone, tablet, laptop or PC via an intuitively operated app. Alarms, faults, deactivations as well as alarms from the control panel can be displayed graphically over contemporary communication networks. **www.esser-systems.com**

Ethernet over Copper

ComNet Europe of Leeds, UK is introducing major capability upgrades in its Copperline Ethernet over COAX/UTP distance extending product line. There are now two distinct products: the CLFEEOC line is the upgrade to the existing products, offers extended distance transmission with pass-through PoE meeting the IEEE802.3af standard; the CLFEPOE series can act as a PoE power source, injecting IEEE 802.3at PoE+ to powered devices as well supporting pass-through POE+. They are designed for applications where existing copper media, such as coaxial cable or twisted pair (UTP) is currently installed as a cost-effective alternative to installing new media. **IFSEC Stand E1225 | www.comnet.net**

Partner Security Solutions at IFSEC

Canon Europe will be joined by partners Ganetec, Nedap, Netavis and Wavestore at IFSEC International on their stand F500 at London Excel from 16-18 June to demonstrate the manufacturer's technology working harmoniously with third-party VMS systems. It will showcase its range of security solutions for the first time, including the newly-developed high-end and low-light network security cameras. They allow for simple integration with VMS platforms as the need for more reliable automated analysis becomes increasingly important, for example, for queue management, store design optimization and footfall monitoring. **IFSEC · Stand F500 | www.canon-europe.com**

Beam Towers for Enhanced Perimeter Security

Optex Europe has renewed its range of infrared beam towers and is now offering two types of free-standing and one wall mounted towers to provide additional flexibility and functionality to perimeter protection systems. Suitable for the Optex Dual beams AX-series and Quad beams Smart Line wired, IP and wireless active infrared sensors, the towers are available in 0.5m, 1m, 1.5m, 2m and 3m height. The range features three standard models: two ground-mounted models, the TW series providing 360-degree unobstructed beam viewing allowing back-to-back installation, while the STW models offers 180-degree view; and the wall-mounted STW-M towers that combine 180-degree vision with a flush mount. This range of models covers all types of site configuration and application, including protecting open perimeters, gateways, top of walls or buildings. Fixed cameras or lighting housings can also be mounted on top of the towers to build a discreet and efficient security system. **IFSEC · Stand E600 | www.optex-europe.com**

Electronic Locking System Using Mobile Phones

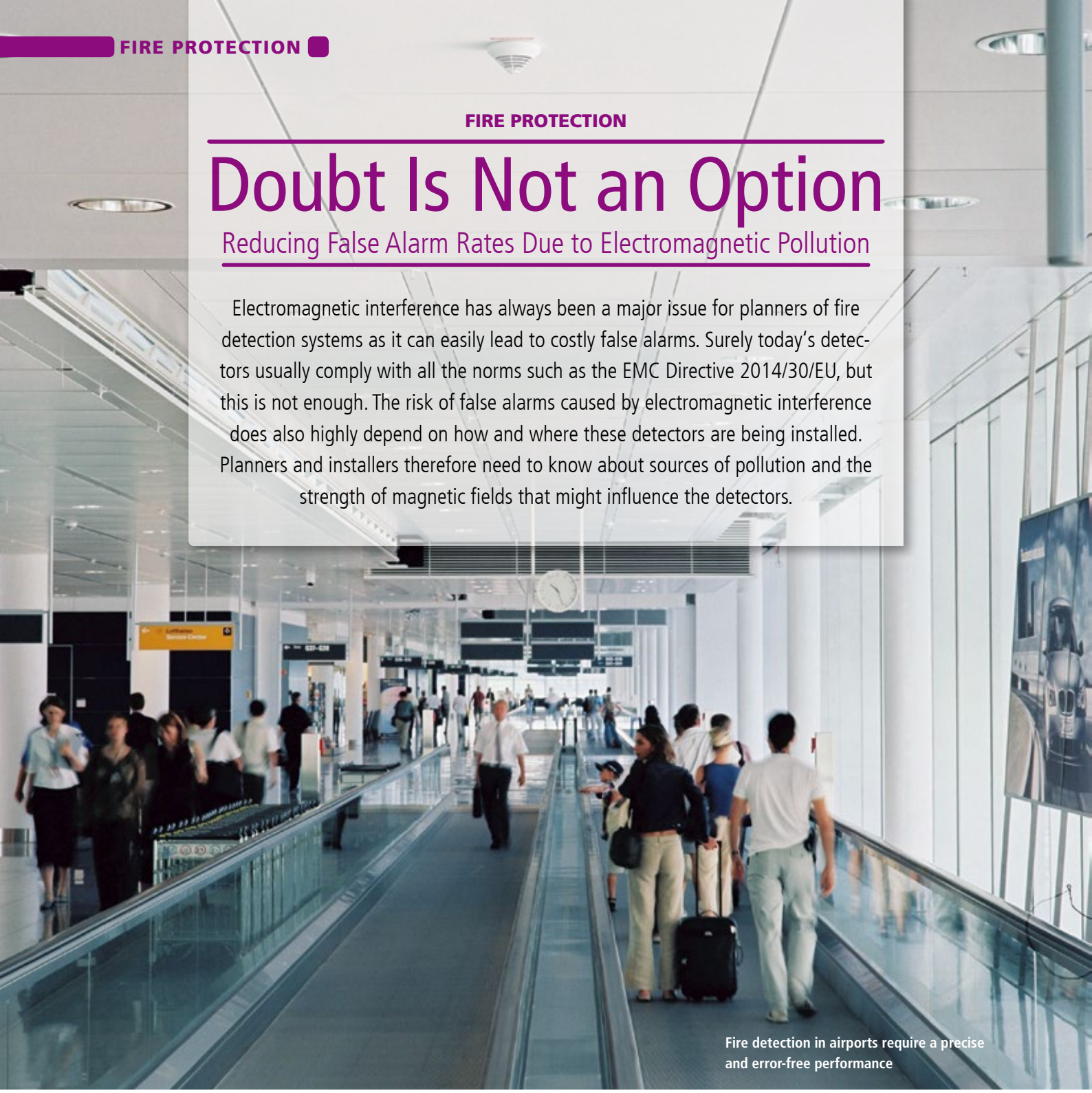
The Airkey electronic locking system provides a flexible solution, especially for companies with various locations. It turns NFC-compatible smartphones as well as identification media into keys and does not require its own IT infrastructure. The Evva server guarantees the highest degree of security and data availability. A mobile phone is used to program other types of equally secure identification media and turn them into electronic keys, for instance Evva Cards or key tags. The ability to assign authorisations from anywhere in the world makes handing over keys very easy. Xesar is the company's conventional electronic locking system, using cards, key fobs and combi-keys for authorization. Keycredits are a ‚pay-as-you-use' cost containment system, entirely independent of system and user volume. **IFSEC · Stand D1850 | www.evva.at**

FIRE PROTECTION

Doubt Is Not an Option

Reducing False Alarm Rates Due to Electromagnetic Pollution

Electromagnetic interference has always been a major issue for planners of fire detection systems as it can easily lead to costly false alarms. Surely today's detectors usually comply with all the norms such as the EMC Directive 2014/30/EU, but this is not enough. The risk of false alarms caused by electromagnetic interference does also highly depend on how and where these detectors are being installed. Planners and installers therefore need to know about sources of pollution and the strength of magnetic fields that might influence the detectors.



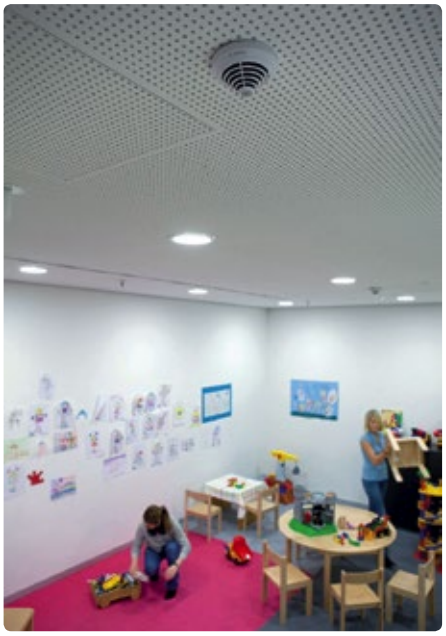
Fire detection in airports require a precise and error-free performance

False Alarms

The ability to detect smoke and fire as early as possible is indisputably by far the most important feature of any fire prevention system and its detectors. Detection in a very early stage of a beginning fire allows the operator to react before the fire can spread, thus greatly reducing the risk of bodily harm and loss of valuable assets. So, in case of a fire, no time should be wasted to alarm people and organize evacuation of affected areas. However, sometimes fire detectors are wrong and false alarms just are a reality. Given the potentially devastating effect of a fire you might think that in case of doubt you should rather condone or tolerate a false alarm than miss a real fire. But false alarms come at a huge cost.

In a production plant for example, a false alarm will in almost any case lead to an interruption of machine and assembly line operation. In today's just in time supply chains this can easily mean that a supplier cannot ship in time, also bringing his customer's production to a halt. So a simple false alarm can have very severe consequences and even lead to the loss of important customers. Moreover, a large number of false alarms can easily lead to immunity against such alarms resulting in people failing to comply with evacuation instructions in case of a real fire.

But still, protecting human life is more important and should have priority in case of doubt. This is certainly true. And it is also why it is so important to take the doubt out of the equation. Fire detectors do not only need to reliably detect smoke and heat, but they must just as reliably make a decision about whether what they detect is really smoke from a fire or just a disturbance value such as water vapor, dust or cigarette smoke. Visible disturbance values like these account for one out of four false alarms of fire detection systems, the majority of the rest being attributed to defects, poor maintenance or incorrect positioning. There are solutions to the problem of visible disturbance values such as Bosch's Dual Ray technology which uses two different wavelengths to detect smaller and larger particles. This allows the detector to reliably differentiate between smoke and such disturbance values, substantially reducing the false alarm rate.



The eSmog feature provides robustness against electromagnetic pollution and supplies information about critical environmental disturbances

The Role of Electromagnetic Pollution

But visible disturbance values are just one side of the coin, invisible ones being the other. It is estimated that between 20 and 30 percent of today's false alarms have an undetermined cause (BRE-Study: "The causes of false fire alarms in buildings – 2014"). Research has shown that electromagnetic pollution is probably the most important contributor to these numbers. Electromagnetic interference (EMI) has always been well understood in the industrial sectors where heavy machinery and a lot of inductive loads exist. But also office and other modern buildings are more and more equipped with complex technical infrastructures, and the ever increasing use of wireless technologies adds to this. It has been reported that even defects in nearby ceiling loudspeakers or lamps have led to false alarms. Also, installing photovoltaic systems on the roof of an existing building can disturb the smoke detectors on the top floor, if the cabling is very close to the fire detectors. This is more likely to happen during daytime than at night, making it even more difficult to find the root of the problem. Specifically in older buildings, unsuitable cable routes can add to the problem.

The primary and most obvious solution to the problem with electromagnetic pollution is to move the detectors away from the magnetic sources. However, this is more easily said than done, as the installer does typically not know about critical pollution values and may even not be aware of a potential source of such pollution. Today's buildings are characterized by a complex electric infrastructure supporting building technologies such lighting or air conditioning, office equipment, telephony, safety and security systems and more. And while each of these systems itself can be both a polluter and a victim, add to this the effect of the complex maze of electrical wiring. Cables can act as antennas, propagating environmental electrical noise to their termination points. And while they are not a direct source of EMI, they still are an inductive medium and thus have the potential to couple electrical energy between wires or systems. Using shielded cable will reduce these effects, but not eliminate them altogether, since it is only a means to secure the cable, but not the detector itself. And when it comes to installations in existing buildings, the installer will have to live with what is there anyway. But what it is, he does not know. And whether it is an old building or a new construction, once the detectors have been installed, the environment may change due to new technologies or machinery being introduced over time.

Robust Against EMI

This is why Bosch has developed a technology to deal with electromagnetic pollution and its influence of smoke detectors. A new feature called eSmog has been introduced with its recent announcement of the Avenar detector 4000. eSMOG combines two approaches to reduce false alarms caused by electromagnetic fields. On the one hand the detectors have been designed from ground up with robustness against electromagnetic pollution in mind, reducing their sensitivity against disturbing fields. On the other hand, they supply the installer with information about critical environmental disturbances at the installation site. This allows the system integrator to identify and to resolve critical conditions even before installation, hence saving time and money while at the same time minimizing the chance of false alarms.

After installation, the eSmog feature constantly measures the electromagnetic exposure of every single detector and calculates mid- and long-term averages. These are used to predict the exceeding of threshold values even before possible false alarms can occur. Operators can see the current EMC values and averages on the user interface of the fire panel.

eSmog can be combined with Dual Ray technology in the same detector, greatly reducing false alarm rates due to both visible and invisible disturbance values. The Avenar detector 4000 includes optical and dual-optical detectors, some of which also provide multi-criteria detection including thermal and/or chemical detection. A heat detector is also part of the range. Some models include rotary switches for manual addressing in stub topologies, while models without such switches allow cost savings in ring topologies, where addressing is automated.

The Author

Stefan Haug, Product Manager,
Bosch Security Systems

CONTACT

Bosch Security Systems
Grasbrunn, Germany
Tel.: +49 89 6290 0
info.service@de.bosch.com
www.boschsecurity.com

Security Solutions

Integrated security manufacturer TDSi will be showcasing its fully integrated security solutions, including its Exgarde security management software, on its newly designed stand F1100 at this year's IFSEC. The product range of one-door applications to multi-site systems will be on display, as will the company's Sologarde, Microgarde and Excel controllers and enterprise solutions. The platform can smoothly interact with Texecom alarm control panels, Assa Abloy's Aperio, SimonsVoss Smartintego wireless door locks, Milestone's video surveillance software and Microsoft Active Directory. A separate section will showcase its new reader range, including proximity, Mifare Plus, Mifare Desfire and dual technology readers.

IFSEC · Stand F1100 | www.tdsi.co.uk

Panoramic Cameras

Arecont Vision has extended its all-in-one Surroundvideo G5 panoramic multi-sensor megapixel camera range including the 5MP G5 with STELLAR (Spatio Temporal Low Light Architecture) technology and remote focus P-iris lenses. Both standard and smaller form factor versions of 12MP and 20MP cameras have also been added, each with double the frame rate of previous models. They deliver 180° and 360° wide area coverage low light technology for color imaging in extreme low light conditions. The cameras feature fast frame rates, while P-iris lenses optimize iris position for better imaging, and remote focus simplifies set-up. An IP66-rated environmental housing and a polycarbonate bubble that is IK-10 rated impact-resistant in a new black gimbal offer enhanced aesthetics.

IFSEC · Stand C1075 | www.arecontvision.com

Real-Time Risk Reduction

Quantum Secure has announced the introduction of SAFE Predictive Security Software. This analyzes identity and security data from systems and applies both operational and risk-based analytics to provide a clear understanding of security operations and risks. It includes automated, actionable responses which can help reduce insider threat and enhance compliance. It is designed to transform security departments into a proactive enterprise resource by identifying potential risk within an organization and maximizing efficiencies specifically related to that risk. The company has also introduced a SAFE Visitor Kiosk, a cost-effective solution for lobby-based visitor management operations that ensures the integrity of an organization's policies and procedures by managing the entire lifecycle of pre-registered and unregistered visitors. It generates custom badges for visitors and employees who may need temporary access.

IFSEC · Stand B700 | www.quantumsecure.com

SECURITY FOR PORTS

Ahoy There!

Panoramic Night and Day Port Surveillance

Maritime environments pose unique challenges, which can render conventional surveillance methods ineffective. One particular port in the Gulf of Guinea, West Africa, is a central artery for numerous valuable imports including food, construction materials, petroleum, agricultural supplies and consumer goods, with an annual turnover of more than $457 million. A 5-year funding program, managed by the US government, has promoted investment and private sector activity in the country and also the fight against insecurity in the country's main port as one of its key projects, since a variety of persistent threats hindered economic growth.

This major port was faced with the challenge of providing complete, all-weather, 24/7 real-time port surveillance over a very wide area to detect small floating and moving RHIBs (rigid-hulled inflatable boat) or small craft. The chosen solution should not replace but instead complement existing systems (Radar, AIS, VTS) by providing immediate detection and identification capabilities. A Spynel infrared surveillance system from HGH, equipped with a Moog acoustic deterrent system was chosen to give cost-effective night and day fully automatic surveillance, detection and alerts in the harbor and various sensitive areas of the port.

The company designs, develops, assembles and sells complete optronic systems for security, industrial and civil applications and has effectively solved maritime surveillance and coastal security issues for a major port in the Gulf of Guinea in West Africa. This strategically located port serves as a critical shipping hub and "economic engine" for its home country and many neighboring nations. In this case, radars could not visualize the entire environment at short range (less than 2 nautical miles) and could not detect certain small craft such as dugouts due to strong sea clutter. Reflection, darkness and severe weather impeded visual detection, even with visible camera or binoculars assistance. Port security personnel needed a solution which could provide lookouts with reliable day and night, all-weather visual surveillance to detect ships and small crafts at a distance of several nautical miles while allowing smooth integration with existing sensors such as radars, watch team, AIS, VHF, VTS and visible cameras.

Critical surveillance areas included the harbor approach, the entrance fairway, the port basin, and the wet dock. In each region, security personnel had to monitor the speed, behavior and response-to-contact time of incoming and outgoing vessels. Detection range had to meet or exceed 1,000m, with a 360° horizontal field of view. Ultimately, personnel required a total surveillance system that would enable them to detect unwanted or unqualified ships, direct traffic and prevent potential collisions.

‚Radar' But With Invisible Light

As part of the US government funding program, the organization overseeing the port was tasked to modernize, implement and maintain new security solutions. As a condition of the program, port officials had to document and demonstrate significant improvements in safety, security and operational efficiency. The chosen Spynel-C panoramic, infrared security system provided the precise level of comprehensive surveillance that port personnel required. It uses a continuously rotating line scan sensor to produce a 360 degree image with 6M pixels and detects and tracks an unlimited number of intruders in real time. Essentially the system operates like a high definition ‚optical radar', providing operators with clear, reliable, actionable data.

Out of multiple models in the manufacturer's product line, the Spynel-C 2000 camera was chosen for deployment in this port environment. It features a complete 360° horizontal field of view along with a 10° vertical range. It is economical to operate, requires minimal maintenance, and is able to perform in all weather conditions. The system

The left picture and Spynel-C footage (right) were taken at the same time: targets are easily tracked by the Spynel-C in light fog conditions but are invisible to the naked eye

was mounted on a stationary 10m tower located on the outermost jetty. From this single elevated vantage point, the infrared camera could obtain an unobstructed view of the entire port operational area. The camera's long-wave infrared sensor is capable of detecting a small 0.5 x 1.5m RHIB or similar craft, day or night, at distances over 2.5km. It can detect larger 10x8m vessels at over 6km, a fighter jet at 13km and a tanker at 20km, even in adverse weather conditions such as fog and rain. To augment the surveillance capabilities, the port-deployed Spynel-C 2000 was equipped with a sophisticated Moog Acoustic Deterrent System which broadcasts a sharp, targeted warning sound beam to intimidate intruders.

Automation For Relaxation

In addition to providing complete 24-hour, all-weather surveillance, the Spynel systems are also easy to operate, even for civilian personnel with no experience of using infrared technologies. User profiles provide a simple display for operators, while system administrators can access advanced functionalities. The intuitive, user-friendly software interface reduces operator fatigue, which in turn reduces the potential for human error during surveillance procedures. Detection settings are automatically set by the system. Sound alerts can be produced when intruders are located and highly customizable detection zones can be activated to avoid alarm overload.

The interface is pre-programmed with monitoring algorithms that are optimized for the maritime environment. This maritime optimization helps to eliminate false alarms and allows users to easily distinguish between swimmers, boats and buoys without interference from wave patterns or solar reflection. The position of intruders and tracks, as well as images from the Spynel, were easily integrated into a third-party software used by the port to centrally manage all their sensors. In initial tests, swimmers, boats and additional watercraft were rapidly and accurately detected. The system consistently provided surveillance data with enough time for leadership to coordinate interdiction forces when quick action was necessary. Since the system has been deployed, port officials have seen dramatic improvements in detection ability and overall maritime security.

CONTACT
HGH Systèmes Infrarouges
Igny, France
Tel.: +33 169 35 46 17
gildas.chauvel@hgh.fr · www.hgh.fr

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SECURITY FOR AIRPORTS

Hidden Benefits

Lifting the Airport Experience with Network Video

For a long time, video surveillance at airports was only a matter of security. Now, with the shift from analog to digital technology, numerous different airport operations can benefit from using network video cameras to improve daily operations, revenue opportunities and the overall passenger experience. Patrik Anderson, Director of Business Development, Transportation at Axis Communications explains.

It's the distinct connection it makes with travelers – offering adventure, luxury, service, convenience and enjoyment – that sets an airport apart today. But making that connection requires an enormous, coordinated effort across every function of an airport. Using live and recorded video to help the different user groups with their day-to-day task of running the airport smoothly, video cameras are now also helping some airports to optimize luggage handling, to shorten check-in queues and to estimate the waiting times for passengers. It is the shift from analog to network cameras that has made this use of video for additional non-security applications possible.

Analog CCTV cameras sit in a closed system, whereas IP cameras are connected to an open network system and deliver the video images digitally over standard IP connections. This means different user groups can be given access to various parts of the live and/or recorded video stream from selected cameras. Based on their user rights, they can view video streams from any device that is connected to the network, making the video much more accessible. Being IP-based also allows the cameras to be integrated with other systems on the network, such as access control or smoke detection systems.

And, as the video is delivered in the form of digital data, it can be read and processed by intelligent software applications that can, for instance, automatically detect incidents such as a person entering a restricted area, a baggage jam or luggage falling off a conveyor belt. What's more, network cameras with built-in intelligence capabilities can not only send automatic alerts, but also provide analytics, such as traffic or passenger statistics – including numbers and flow patterns.

Flow Control

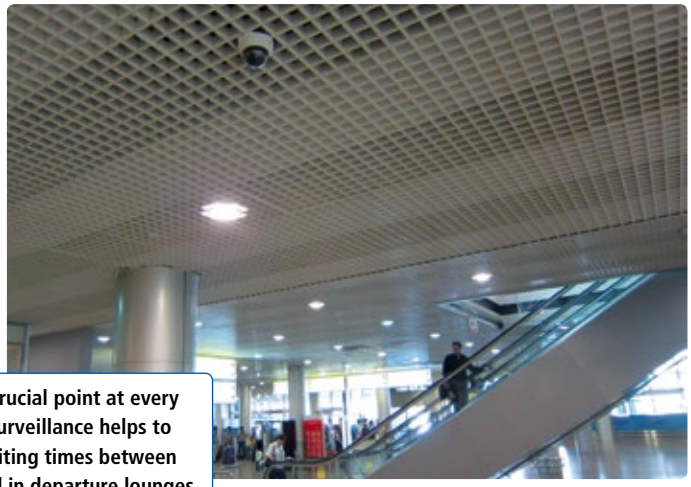
For example, at Sheremetyevo International Airport, Russia's largest and busiest airport with more than 26 million passengers each year, the video surveillance system serves not only as a security solution, but also as a means for controlling operations such as check-in, boarding, luggage loading control and other processes at all stages of aircraft servicing. The solution is neat as it simply uses the camera network that's already in place for security purposes. The IP cameras installed at the airport generate a single video stream, which is then processed by two systems – security and operational – according to the required tasks and algorithms.

One of the greatest benefits of network video is that it makes it possible to connect all cameras in an airport to one network. Being able to virtually place themselves at any location of the airport and see what is happening at any given time is essential to a number of user groups apart from airport security such as the police, customs, border control, flight services and even the airline companies. Live video from relevant areas provides each of these user groups with real-time information, helping them to make informed decisions fast to optimize performance and efficiency, such as by increasing staff levels or opening another check-in counter.

Situation Report

Tasks that previously required phone calls or manual checks can now be handled directly from a computer or even a mobile device. Munich airport in Germany already uses IP cameras to closely monitor aircraft servicing processes and simplify them. For example, ground and ramp services can use the cameras to establish whether a plane has docked at the gate, whether the baggage has been loaded, catering delivered and whether refueling is completed – all without having to physically go to the gate, make phone calls or use mobile radios.

Cameras can also help provide information to the control tower. Air traffic control can see



Video Surveillance: A crucial point at every airport" and "Video surveillance helps to indicate estimated waiting times between security checkpoints and in departure lounges

how many planes are in the queue for a runway, whether lights on taxiways are working properly, and whether the runway is clear of snow and obstacles. In the long term, network cameras – gather with modern air traffic control systems and other computer-based systems that can be set up and run from any location – may even make traditional air traffic control towers redundant. Tests are ongoing with remote and virtual towers (RVT) for smaller airports in regions where the air traffic service can be centralized for efficiency.

Getting passengers to their gate in time to avoid flight delays is another key consideration. Shortening waiting times at check-in or security checks reduces passenger stress and boosts the overall passenger experience. Both can be achieved with a better understanding of passenger numbers and passenger flows, using cameras with a built-in people counting function. At Lyon's Saint Exupéry Airport in France, a network video system of close to 50 cameras is used to give passengers more information as they move around, including the estimated waiting times between security checkpoints and in departure lounges.

Concession Argumentation

Beyond improving operations, IP cameras are increasingly used in airport car parks and retail spaces. The aim is to provide a better passenger experience, but also to increase revenue opportunities. Denver International Airport in the US has installed a number of cameras that include optical character recognition to identify and store license plate numbers. When customers lose their parking tickets, attendants can quickly search the airport's data files by license plate number to determine when a specific vehicle entered the parking lot – a feature that helps prevent revenue loss.

Understanding customer statistics and conversion rates on the other hand is key to the retailers renting space at the airport. By offering surveillance as a service to airport concessions as part of the installed video camera network, as well as valuable footfall statistics, airports can generate additional revenue and add value for the retailers. The surveillance as a service model can also be extended to offer services to other tenants, such as airlines and freight companies.

Ultimately, using network video can help in running a more efficient and reliable airport: providing the right service to the right airplane at the right time, getting passengers and their luggage to where they need to be on time, avoiding flight delays and lost luggage, and opening up new business opportunities. As Frédéric Besson, Information Systems project leader, Aéroports de Lyon, puts it: "Beyond the satisfaction of the passengers that we achieve, we can see that the network video solution is a daily work tool that allows us to enhance our organization and assist our development."

CONTACT

Axis Communications AB
Lund, Sweden
Tel.: + 46 46 272 1800 · www.axis.com

IFSEC International
LONDON, EXCEL
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The four cameras deliver both the complete overview and zoomed-in detail

SECURITY FOR AIRPORTS

Highly Focused Overview

Just Four Cameras Watch Over 7,000 Cars at Billund Airport

It is frustrating, at the end of a tiring day of traveling to finally get to your car in the airport car park, only to discover that someone has vandalized or even broken into your vehicle. In one fell swoop, all memories of a successful business trip or a relaxing holiday are swept away in the flood of insurance questions, making arrangements for repairs and filing a police report. Working together, APCOA Parkering and Dallmeier's Danish partner Scanview have set up an impressive surveillance system to help prevent such occurrences at Billund airport, using Panomera cameras from Dallmeier.

„Before we took over as operators of the parking areas in 1997, patrons were filing over 500 reports per year. These days, it is just a few isolated incidents – in fact, in 2014 not a single report was filed regarding a car being broken into while it was parked here" declares Thomas Holm, Technical Director for APCOA Parkering, the company that now runs the parking areas at the airport. The company, formerly called Europark, raised the level of security significantly by introducing enclosures, security guards, barrier systems and systematic video surveillance. In cooperation with Dallmeier and its Danish partner, Fredericia-based company Scanview, which has been working with APCOA Parkering on video surveillance since 2002, a new era of operation was commenced last year.

„As part of a major expansion and reconfiguration of the parking areas, we wanted to set up a surveillance capability for zones P6, P7, P8 and P9. After thorough deliberations, and having taken advice from Scanview, we decided to go with the Panomera system from Dallmeier. And we have not regretted it", says Mr. Holm. The Panomera cameras enable a razor-sharp surveillance of very large expanses. All are fitted with several lenses (the models used at Billund have 14), each of which covers a section of the area of interest. These „picture squares" are joined together seamlessly by the manufacturer's software program to form one large picture that can be viewed comfortably by the watchman in the control room.

Pin Sharp

The system delivers detailed images of the entire coverage area, taken at a rate of 25 pictures per second. Up to about 175 meters, the image is so sharp that, for example, a car number plate can be read with ease. This means that one multifocal sensor system Panomera camera can replace several conventional HD cameras. „In our case,

One central observation point is sufficient

all we needed to cover a vast expanse for almost 7,000 parking spaces was one mast with four Panomera cameras trained in different directions. According to our calculations, with a conventional solution we would have needed a total of seven masts and about 30 cameras! So it goes without saying that we have realized substantial savings with regard to excavation and embedding work, cable laying, camera maintenance and so on", Mr. Holm continues.

This innovation also represents a great improvement for the watchman sitting in the APCOA control room in one of the car park buildings. „We can track a vehicle or an individual without having to change cameras, and we can zoom in on an incident without losing the general view of things that are happening elsewhere. With the conventional, controllable cameras, there was always the risk that we would be concentrating on one location and would have no pictures when something happened somewhere else. Now, we always have pictures of the entire area, which is a major advantage and makes us much less vulnerable", the technical director emphasizes. The police have already used video material from APCOA several times, and in one case even the staff of Billund airport looked at material related to one incident (although this turned out to be a false alarm), and both said how impressed they were with the quality of the surveillance.

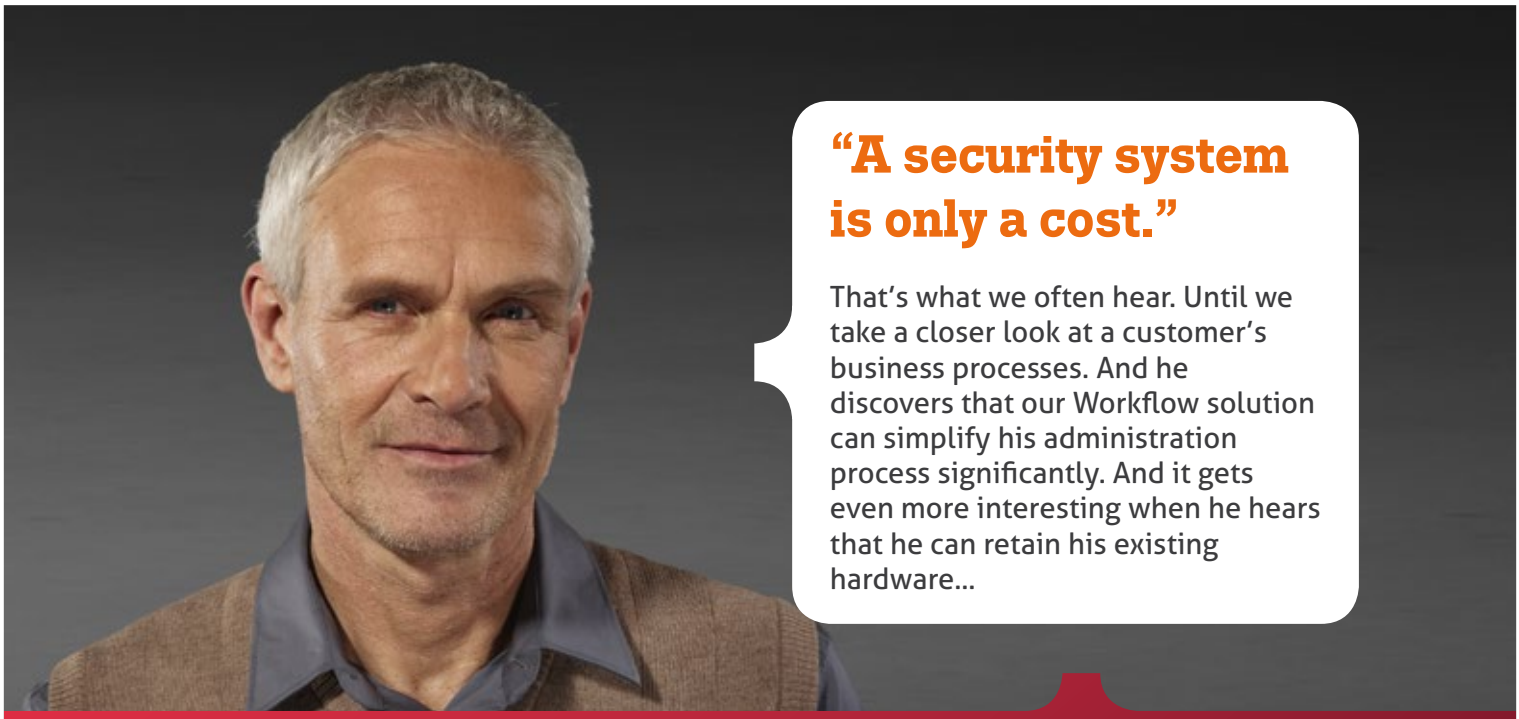
Integration with other cameras

Of course, the new cameras can be used in conjunction with existing Dallmeier products. „We still have a large number of older cameras in operation; the oldest date back to 2002. We have cameras at every barrier installation, for example, in case someone ‚forgets' to pay, and at the ticket dispensing machines in case anyone needs help. We also have more than 1,200 spaces inside the car park buildings, and these have to be watched too" says Mr. Holm.

APCOA has also installed a camera that takes in the frontage of the entire garage complex opposite the terminal building. „We would have had to set up four cameras at different locations to do the same job as this one Panomera camera. Consequently, installation and setup were much simpler here too; we only have to watch one picture, which also happens to be of much better quality". Thomas Holm is very enthusiastic about how much detail is reproduced in the narrow but ‚deep' surveillance area that provides a clear overview of the entire section, day or night.

CONTACT

Dallmeier electronic
Regensburg, Germany
Tel.: +49 941 8700 0
info@dallmeier.com · www.dallmeier.com



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SECURITY FOR AIRPORTS

System Rejuvenation

Fresh Software Provides Additional Terminal Functionality

London Gatwick is the UK's second largest airport serving more than 38 million passengers a year flying to around 200 destinations in 90 countries. A security upgrade for the CEM AC2000 access control and security management system has been carried out to incorporate the company's latest innovations.

CEM Systems has carried out a major upgrade of the long-standing AC2000 access control and security management system at London Gatwick Airport. The project was phased throughout 2014 and involved an upgrade of the AC2000 Airport software, as well as the upgrade of more than 700 card readers throughout the airport terminals to support Picopass smart card technology. The intelligent emerald access terminal has also been installed at the Airport.

„Over the last year we have worked with the manufacturer to seamlessly upgrade our existing AC2000 security system", said David Rees, Gatwick's Business System Manager for Operations. „As a large system with more than 80,000 card holders and due to the critical nature of the airport environment, we needed a phased upgrade that ensured zero system downtime. CEM support was second-to-none with the software upgrade performed remotely and quickly".

Philip Verner, Regional Sales Director EMEA at CEM Systems said, „We have been working in partnership with Gatwick Airport for over 25 years, during which time their AC2000 security management system has been continually upgraded and customized to meet their unique aviation requirements. This recent upgrade was a significant project that required all existing S610e card readers to be upgraded to support the highly secure Picopass smart card technology. We are also delighted that our new emerald IP access terminals have been installed to enhance operations at Gatwick Airport's arrival gates and to act as an information point for ID staff and flight agents".

„The AC2000 access control and security management system for airport usage"

All-In-One

Emerald is a touch screen reader, door controller, VoIP Intercom and system terminal, all in a single box. The touch screen LCD greets cardholders by illuminating as they approach and provides a user-friendly security experience. Used here as an intelligent, multi-functional IP access terminal, it allows airport security to use remote apps on the terminal to update personnel records, perform reader maintenance and display airport adverts and messages.

Gatwick Airport are also using the device's flight arrivals door mode, which enables flight arrival gates in both the North and South Terminal to intelligently route domestic and international passengers accordingly. Upon a valid card swipe, flight agents intuitively select a predefined flight carrier number on the emerald terminal. The terminal then interlocks the appropriate doors to allow international passengers to be routed to passport and border controls, with domestic passengers simply routed to baggage collection.

CONTACT
CEM Systems
Belfast, United Kingdom
Tel.: +44 2890 456 767 · www.cemsys.com

Werra EntraQuick II quick folders (or quick folding gates)

PERIMETER PROTECTION

Beer, Day and Night

Bosch Implements Fully Automated Access to Brewery

Founded in 1731, Oettinger Brauerei is one of the leading German brewery groups, with four sites in Germany. The head office is located in the residential town of Oettingen in Bavarian Swabia. Its products are enjoying increasing popularity worldwide and about twenty beers and beer beverages are offered nationwide at approximately 10,000 sales outlets. The company therefore brews around the clock in shifts and focuses on direct sales channels using its own logistics.

This 24-hour operation requires – in addition to traditional perimeter security – not only a smooth flow of entries and exits but also easy access for employees to the factory premises at any time of day. Therefore it was crucial not to hinder or interrupt essential operational processes when implementing an appropriate security solution. Here the choice fell on the customised security products and systems of Bosch Security Systems from Dusseldorf, part of the global Robert Bosch group. So the security specialist's consultants implemented a fully automatic driveway and automatic visitor registration at the Oettinger site in Monchengladbach and operates the installation itself.

Visitor Administration

After entering relevant data into a terminal, visitors get a card with which they are authorised to pass through a Werra Turnsec I turnstile on foot or to drive through quick-folding gates. Here Bosch rely on the TÜV type-tested products of their long-standing partner, Perimeter Protection Germany from Salzkotten, a manufacturer of products and systems for perimeter and outdoor protection. Their quick-folding Werra EntraQuick II was predestined to meet the requirements for smooth workflows at the Oettinger plant due to its extremely high opening and closing speeds of up to 1 m/s, which allow closing immediately after every entry or exit. When leaving the site, the visitor's card is collected by a draw-in reader that is integrated into the turnstile or in the media column of the EntraQuick II. For employees and other authorised persons, access and exits are verified by long range readers.

During the installation phase it was necessary to avoid interruptions of workflows as much as possible. PPG Sales Representative Helmut Napp explains: „It really was a challenge to install the entire system during the brewery working day between all the trucks that were constantly entering and leaving." Necat Deveci, systems consultant in project business for access control of Bosch Security Systems adds: „The security concept that has been implemented here fits Oettinger like a tailored suit. In addition to the fully automated and unmanned visitor management, all visitors are guided through a process-integrated safety briefing. This ensures seamless auditable documentation of visitor traffic. The dynamic authorisation management is precisely adapted to the internal operations of Oettinger. For example, suppliers are allowed to leave the premises only after electronic legitimacy by staff. It is important to our customer that their high safety standards are maintained without affecting daily operations. This can only be guaranteed with a professional working team. We therefore like to fall back on the extensive know-how and the high-quality product portfolio of our partner Perimeter Protection Germany."

CONTACT
Perimeter Protection
Salzkotten, Germany
Elkosta Export Department
Tel.: +49 5258 500 70
info@elkosta.com · www.elkosta.com

Over two million visitors are expected in Turin over the six day event

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VIDEO SURVEILLANCE

The Most Important Image

Protecting People and Artifacts During the Viewing of the Turin Shroud

It is estimated that more than two million pilgrims will be in Turin for the Exposition of the Shroud which is taking place in the city's cathedral from 19-24 June 2015. As it did in 2010 for this extraordinarily wide-reaching event, the Enzo Hruby Foundation, in collaboration with Samsung Techwin, is once again providing support to protect the relic and the route taken by visitors by utilizing video surveillance technology.

Turin based Centro Sistemi Antifurto designed and installed the video surveillance system required to monitor the areas dedicated to the Exposition, as well as the route to be taken by visitors and the surrounding areas. The images captured by the Samsung Techwin cameras are being recorded and transmitted in real time to an operations center at the police headquarters in Turin to enable a quick response to any incidents. Legnago based Riello UPS has contributed to the success of the project by supplying the emergency power supply units for the system.

"The Committee was firmly dedicated to ensuring absolute peace of mind for everyone involved while the event took place," explained Maurizio Baradello, Director General of the organizing committee for the exposition. "It was an objective that all the parties involved in the project aimed to meet within a climate of positive cooperation between partners." Surveillance and security services provided by law enforcement agencies are in place in the Exposition area and they are supported in their task by the surveillance network made available by the committee.

"We are proud to have been able to offer our support in protecting the Exposition of the Holy Shroud for the second time," said Carlo Hruby, Vice President of the Enzo Hruby Foundation. "The project is gratifying not only because of the object on which it is focused, but also due to the excellent cooperation that has been forged between public entities and the companies that joined us. This project is unique, dedicated to an event with a global reach and a very high symbolic value."

Treasures at Risk

"However, it is also part of our Foundation's commitment to protecting ecclesiastical treasures, which alone make up about 70% of Italy's entire cultural heritage. A heritage which, together with the most important and well-known treasures and monuments, consists of a myriad of churches and oratories scattered throughout the country, very often without adequate protection against theft and vandalism. As a matter of fact, in 2014, as in previous years, churches were the places that saw the greatest number of thefts of cultural objects. Our hope is that a project focused on protection on such a large scale may also represent a stimulus to communicate the possibilities that technology offers us today with affordable costs to protect these buildings."

Tools for the Job

Samsung Techwin SNP-5430H 1.3MP high definition weatherproof PTZ auto-tracking speed domes are among the cameras deployed. The powerful

The Full HD SNO-6084R bullet camera has built-in IR illuminators

The long zoom SNP-5430H dome camera gives auto-tracking capability

43x zoom capability of this model is enhanced by an auto-tracking feature which allows operators to monitor the movement of people or vehicles, whilst remaining hands-free to control other cameras. SNO-6084RP 2MP Full HD bullet cameras have also been installed. Part of the WisenetIII range, this camera is equipped with a motorized varifocal lens and, with built-in IR illuminators, is able to capture high quality images whatever the lighting conditions.

The images from the cameras are recorded onto an SRN-1000 NVR. With 24TB of on-board video storage capacity, the Linux-based device is more than capable of storing all the images captured by the cameras during the event, as well as providing operators with the ability to quickly search and review video of any incidents.

"Our technological contribution to this project is part of a wider context that sees our company involved in making the latest innovative security and video surveillance technology generally accessible," said Fabio Andreoni, Samsung Techwin Europe Country Manager for Italy. "This philosophy is fully consistent with the intentions and goals of the Hruby Foundation with which we are pleased to cooperate with in order to offer our expertise and our technology for these important projects. Our contribution to protecting the immense Italian artistic and cultural heritage is also supported by the idea that all this can be of help in feeding a virtuous circle which is able to generate benefits for all involved, including the institutions, law enforcement agencies and private companies, and especially the visitors to the Exposition who are able to safely enjoy the experience with peace of mind."

CONTACT

Samsung Techwin
Weybridge, United Kingdom
Tel.: +44 1932 82 6700
stesecurity@samsung.com
www.samsungsecurity.co.uk

ACCESS CONTROL

Digital Locking for Newcomers

SimonsVoss Launches Small Access Control Solution

Since the market launch of its 3060 digital locking and access control system in 1998, SimonsVoss has remodeled its locking technology, which had previously focused on mechanical systems. It is now regarded as a technology leader for battery-operated electronic locking and access control systems. Whereas many larger companies have already embraced digital locking systems, smaller companies have had reservations about the cost-effectiveness of such systems till now.

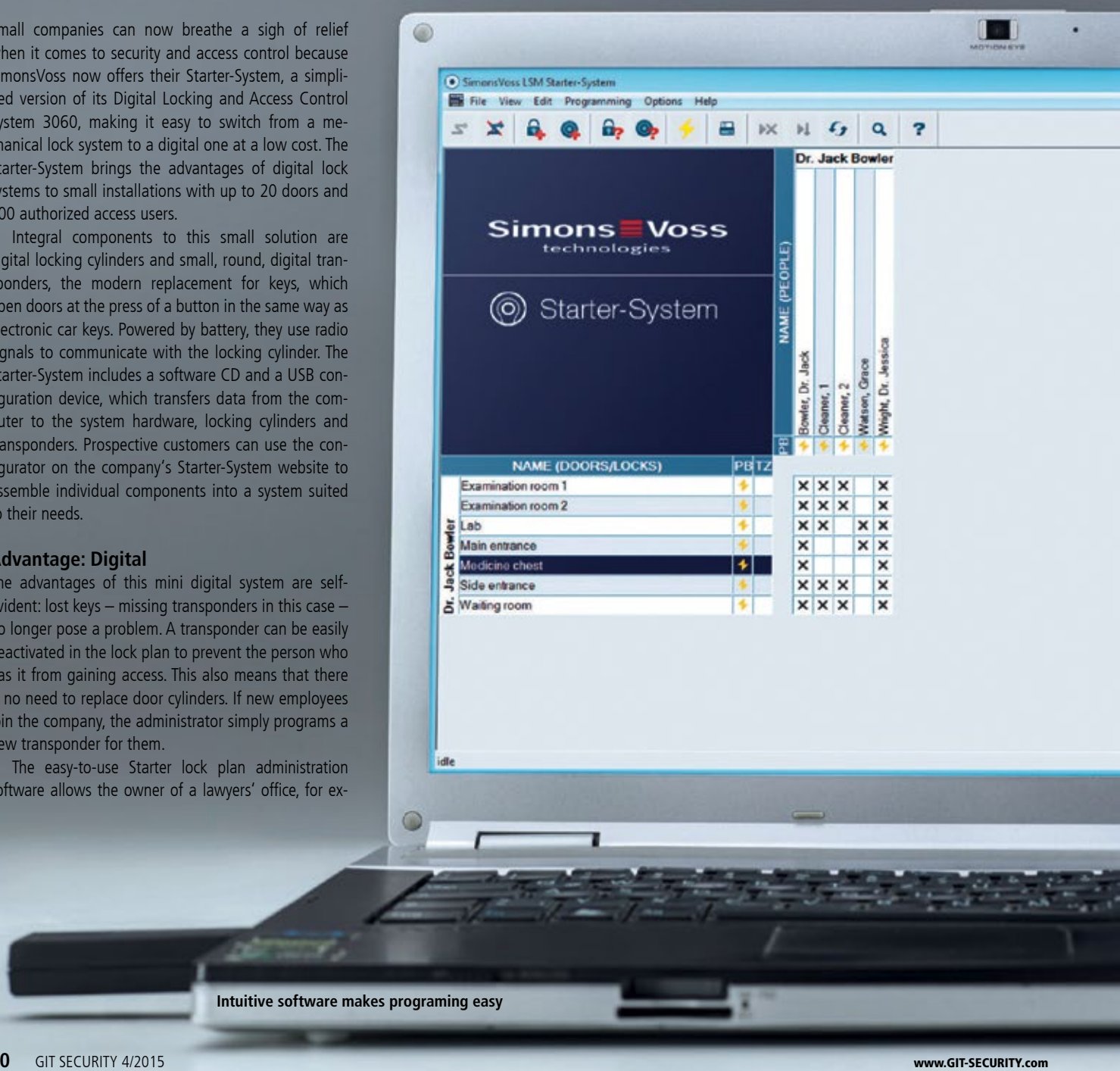
Small companies can now breathe a sigh of relief when it comes to security and access control because SimonsVoss now offers their Starter-System, a simplified version of its Digital Locking and Access Control System 3060, making it easy to switch from a mechanical lock system to a digital one at a low cost. The Starter-System brings the advantages of digital lock systems to small installations with up to 20 doors and 100 authorized access users.

Integral components to this small solution are digital locking cylinders and small, round, digital transponders, the modern replacement for keys, which open doors at the press of a button in the same way as electronic car keys. Powered by battery, they use radio signals to communicate with the locking cylinder. The Starter-System includes a software CD and a USB configuration device, which transfers data from the computer to the system hardware, locking cylinders and transponders. Prospective customers can use the configurator on the company's Starter-System website to assemble individual components into a system suited to their needs.

Advantage: Digital

The advantages of this mini digital system are self-evident: lost keys – missing transponders in this case – no longer pose a problem. A transponder can be easily deactivated in the lock plan to prevent the person who has it from gaining access. This also means that there is no need to replace door cylinders. If new employees join the company, the administrator simply programs a new transponder for them.

The easy-to-use Starter lock plan administration software allows the owner of a lawyers' office, for ex-



Intuitive software makes programing easy

All the simple Starter-System components

ample, to determine authorizations for each transponder, thus enabling them to issue fully personalized access to the office premises. The software also includes an access review function, which allows the owner to identify which users opened particular doors at particular times, an important security feature for many businesses. The key's validity can even be restricted in terms of time: for example, cleaning staff may only gain access to the office between 4 p.m. and 6 p.m. on Tuesdays. The software allows the administrator to set up a simple lock plan without complicated building sections and person groups. He or she only needs to enter doors and authorized access users. They do not need to attend long training sessions to learn how to configure a system because operation is intuitive.

Simple Retrofit

Anyone who wants to change over to this digital lock system will find it easy. SimonsVoss digital locking cylinders have no wiring and can be fitted without drilling holes. The only thing the user needs to do is measure the door thickness. If necessary, a specialist retailer can carry out quantity surveying. The same applies to installation and the lock plan configuration, including programming.

CEO Bernhard Sommer said: „We have been aware for a long time that there is a demand from doctors' practices, lawyers' offices or other small firms for a digital lock system providing greater access security for their premises. Until now, this target group was put off by the high cost and all the programming. That is why we are pleased to offer a streamlined solution that we have called ‚Starter-System', which meets the demand for a simple, low-priced system."

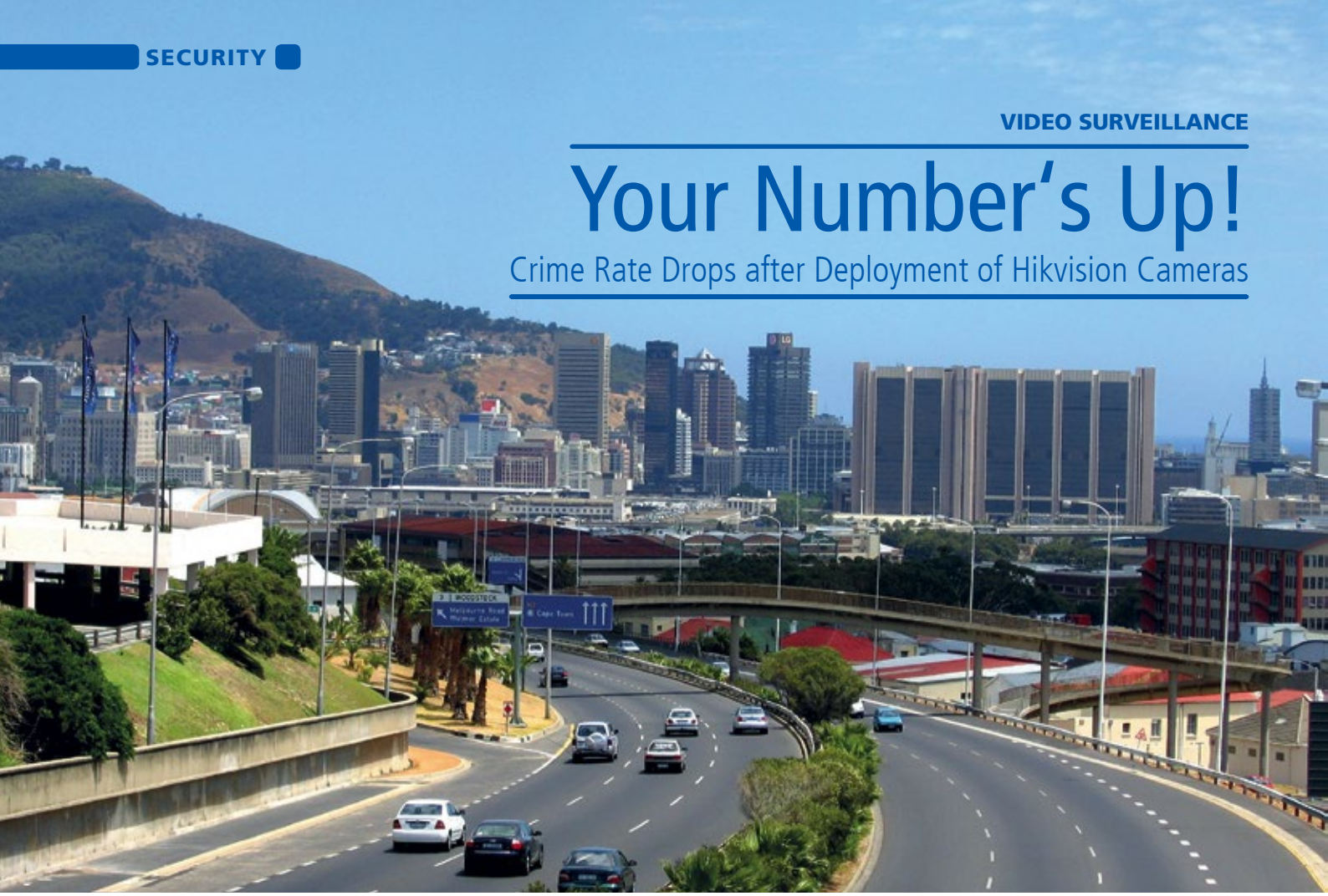
CONTACT

SimonsVoss Technologies
Unterföhring, Germany
Tel.: +49 89 992 280
marketing@simons-voss.com
www.simons-voss.com

VIDEO SURVEILLANCE

Your Number's Up!

Crime Rate Drops after Deployment of Hikvision Cameras



Sea Point is one of Cape Town's most affluent and highly developed suburbs, the only one in fact to have high-rise development of any significance. However, it is not that long ago that the area was regarded as less desirable, even dangerous. Many of the apartment blocks had been neglected by absentee landlords. The result was a very high crime rate, much of which was attributed to vehicle-borne criminals.

Some of Cape Town's busiest roads, leading to one of the wealthiest suburbs, are now monitored by an automated License Plate Recognition system installed by LPR Solutions. At its heart is a network of 42 sophisticated day/night cameras from Hikvision, whose iVMS video management software streams the video data to the LPR software. The increased surveillance has led to a dramatic drop in crime within the suburb, down an indicated 65% following the introduction of the cameras.

The area's oceanside location and general level of affluence now make it very popular with city residents who enjoy the beach front promenade, a paved walkway along the beach-front used by residents and tourists for walking, jogging and socializing. It is also attracting a large amount of investment in second homes and apartments.

Monitoring Access

Located just a few kilometers west of the city's Central Business District, the roads that access Sea Point are some of the busiest in the entire peninsular. Many arterial roads lead in and out of the area, providing drivers with a wide variety of route options and they are used both by residents and legitimate visitors. However, the sheer number of route options means that the criminal fraternity has also been able to enjoy only partially restricted access to this valuable real estate.

Recognizing the potential to improve the safety and security of the area, the Sea Point City Improvement District, a joint Municipal/Police entity, decided to establish a license plate recognition system to monitor Sea Point's access roads and highways. Their aim was to identify and track every individual vehicle entering or leaving the area and co-ordinate law enforcement activity to combat crime. To design and implement the system, they turned to local company LPR Solutions.

First LPR Installation in Cape Town

„This project is the first large-scale LPR solution to be installed in Greater Cape Town," said LPR Solutions' Chris Hobbis. „With an average of over 300,000 vehicle movements per hour being expected for the network of just over 40 cameras, the sheer intensity of traffic movement represented a considerable technical hurdle for the system designers to overcome. On top of this, the LPR system had to be robust enough to cope with the speed of the passing traffic on these major link roads in all weathers and be operational day-and-night. Therefore, our emphasis for the camera was on build quality, reliability, weather protection, image quality and true day/night capability." The LPR team also installed the network's wireless and cabled links to feed the camera streams to a dedicated central control room located within Sea Point, which is manned around-the-clock by a staff of six.

The focus of the design was to record every vehicle movement into and out of the Sea Point area from the minimum number of cameras. After analyzing the road infrastructure, the engineers at LPR Solutions identified 42 points for the cameras, with each camera dedicated to monitoring one lane of traffic. Once these points were calculated, the demands to be placed on the cameras were investigated.

Selection Process

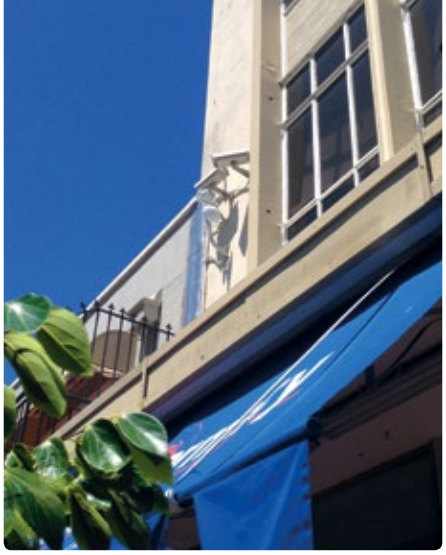
Although the primary imaging requirement was for a rugged and reliable, true day/night camera capable of withstanding the environmental conditions in this busy seafront neighborhood, the team's stringent assessment protocol and selection crite-

ria also included aspects such as the camera and video monitoring software features, the product availability, the warranty and level of technical support and of course the price and with it the total Cost of Ownership. Their final choice was the Hikvision DS-2CD4012F-A Smart IPC day/night box camera, with every camera protected from the environmental stresses by an IP66 housing. Each camera's video stream is recorded on a dedicated server through the manufacturer's iVMS video monitoring software suite and fed from there to LPR's itrack license plate recognition software.

Reflecting on their choice of camera, Chris says, „The main challenges we faced on this project were the changes in lighting conditions as we passed from day to the dark of night, the speed of the passing traffic and ensuring the utmost in reliability. We opted for one of the new breed of Smart cameras from Hikvision, which offers excellent image quality under all lighting conditions and fast, remote focusing capability whilst more than meeting our needs for efficient bandwidth and storage utilization. Visitors to South Africa will know that daytime conditions can be very bright but the DS-2CD4012F-A copes with everything."

Moving Target

The bright lens produces brilliant 1280 x 1024 HD720p video at up to 60 fps, critical for an application where image detail is highly important.



Combined with the Smart Focus capability, which allows the cameras to automatically adjust the image sensor position to guarantee optimal focus without user intervention, accurate rendering of license plates no matter what the vehicle speed has not been an issue. This model also has a comprehensive suite of features including Smart Codec, Smart VQD (video quality detection), Smart Face Detection and Smart Audio Detection. The codec is particularly significant in a network situation as the encoding algorithm streams images at a very low bitrate without compromising quality. Compared to traditional cameras, these cameras enhance image quality by up to 30% while minimizing the system's load and storage requirements. If necessary, up to 64 GB of on-board storage can be utilized. The result is crystal-clear images under the most challenging of environmental conditions, making it suitable for all forms of surveillance, from large scale projects to small businesses.

The installation of Cape Town's first large-scale License Plate Recognition solution has had „an immediate impact", according to Chris. „Crime in the area has dropped dramatically. Early indications are that there has been a 65% decrease in recorded crime within the Sea Point suburb. The roads in Sea Point are now being used by those with a legitimate interest in traveling to and from the area, and this is likely to have a significant impact on those that live, work and play within its confines. The contribution of the Hikvision cameras to this increased quality of life cannot be underestimated." Another immediate result of the success of the Sea Point installation is the award of a 75-camera contract from the City of Cape Town Metro, which involved a change from the originally specified camera manufacturer to Hikvision Smart cameras.

CONTACT

Hikvision Digital Technology Co. Ltd.
Hangzhou, China
Tel.: +86 571 88260577 · www.hikvision.com

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Feringastr. 4 · D-85774 Unterföhring
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info@nsc-sicherheit.de · www.nsc-sicherheit.de
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Facility Security

Walter Wurster GmbH
Heckenrosenstraße 38-40
D-70771 Leinfelden-Echterdingen
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info.de@deister.com · www.deister.com
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ABUS Security-Center GmbH & Co. KG
Linker Kreuthweg 5 · D-86444 Affing
Tel. +49(0)8207/95990-0
Fax +49(0)8207/95990-100
info.de@abus-sc.com · www.abus.com
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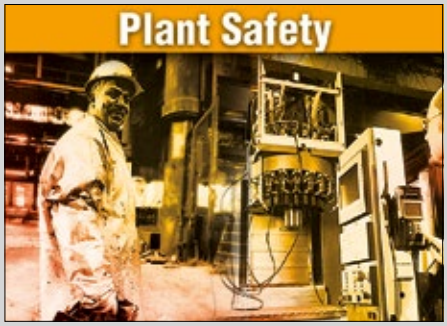

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info@gitverlag.com · www.gitverlag.com

Managing Directors
- Dr. Jon Walmsley

Publishing Directors
- Dr. Heiko Baumgartner
  Tel.: +49 (0) 6201/606-703
  heiko.baumgartner@wiley.com
- Steffen Ebert
  Tel.: +49 (0) 6201/606-709
  steffen.ebert@wiley.com

Sales Managers
- Regina Berg-Jauernig
  Tel.: +49 (0) 6201/606-704
  regina.berg-jauernig@wiley.com
- Dr. Katina Leondaris
  Tel.: +49 (0) 6201/606-734
  katina.leondaris@wiley.com
- Dr. Michael Leising
  Tel.: +49 (0) 36 03/89 31 12
- Manfred Höring
  Tel.: +49 (0)61 59/50 55

Wiley GIT Reader Service
65341 Eltville / Germany
Tel.: +49 6123 9238 246
Fax: +49 6123 9238 244
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Our service is available for you from Monday to Friday 8 am – 5 pm CET

Editorial
- Matthias Erler
  Tel: +49 (0) 6723/9 94 99 82
  matthias.erler@wiley.com

Editorial Assistant
- Sophie Platzer
  Tel.: +49 (0) 6201/606-761
  sophie.platzer@wiley.com

Production
- Christiane Potthast
- Andi Kettenbach (Layout)
- Elli Palzer (Lithography)
- Claudia Vogel (Sales Administrator)

European Representatives
- Dave Harvett, Direct Media
  Tel.: +44 (0) 121 705 2120
  daveharvett@btconnect.com
- Oliver Haines, Impressive Marketing
  Tel.: +44 (0) 1743 369611
  impressive.marketing@virgin.net

Bank Account
Commerzbank AG Mannheim, Germany
Account No.: 07 511 188 00
Routing No.: 670 800 50
BIC: DRESDEFF670
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