

GIT

SECURITY

INTL

MAGAZINE FOR SAFETY AND SECURITY – WORLDWIDE

ACCESS & VIDEO

Gain Expert Knowledge from
Altronix' Ronnie Pennington
and Onvif's Leo Levit p 12/14

GIT SECURITY AWARD 2026

Categories and Highlights p 21

FIRE PROTECTION

Special Focus/Products:
Battery Storage and
Fire Risks p 42/46

Cover Story page 6:

Beyond 21st Century

**From Offices to Villas, Mobile Access
Transforms Facility Security and Management**

**BEST-OF
EXCERPT**



More news, case studies &
tech reports on
www.GIT-SECURITY.com

WILEY



SMARTair® digital access

Your out-of-the-box solution

ASSA ABLOY
Opening Solutions



Switching to digital access has never been simpler. SMARTair has everything you need: battery-powered devices, versatile digital credentials, and intuitive, robust software. With SMARTair, you're ready to go!

Scan the QR code and discover what's inside a SMARTair box

Experience a safer
and more open world

Midyear Check-In

Progress is often seen as a race forward, but through time we learn that real advancement requires moments of reflection, too. As we reach the halfway mark of the year, this June issue comes with a natural halftime pause — a moment to step back, assess the field, and recalibrate. Growth isn't always about something entirely new. Often, it's about making the most of what we already have, reimagining existing tools so they can be fully leveraged to meet modern demands.

The 21st-century experience is all about smart utilization: a perfect example of this is mobile access technology. Imagine unlocking your office, apartment, or hotel room with just your phone — no keys, no cards, no hassle. Our selected cover story, on page 6, explores how Assa Abloy is reshaping access control with mobile-first solutions that blend convenience, flexibility, and security.

While mobile access exemplifies how we can rethink existing tools for smarter living, sustainability offers a similarly powerful lens — one that doesn't restrict progress but redefines it. Since joining Assa Abloy in 2022, Olympia Dolla has led a mission to embed sustainability into every layer of the organization. Her work shows that environmental responsibility can be a creative force—fueling innovation, aligning teams, and opening new paths - more on page 28.

Once technological precision reaches a certain threshold, where footage is sharp, AI is fast, and systems are seamless, quality takes on a new meaning: trustworthiness. The question is no longer just what we see, but whether what we see truly reflects reality. In both private and institutional contexts, the consequences of mistaking manipulated content for truth



Cinzia Adorno

can be severe. Identifying what we see as what it really is has always been a matter of survival. Today, it's a matter of digital integrity: Learn from Onvif's Chairman Leo Levit about the importance of authentication technology - page 14.

The GIT midyear issue also marks the launch of the GIT SECURITY AWARD 2026. Once again, we've gathered standout product submissions across six key categories in safety and security. Now it's your turn to take a closer look at the finalists, explore their innovations, and cast your expert vote. Discover the highlights and features that set these solutions apart, and support the one you believe deserves top recognition. Voting is open from 1 June to 1 September. Find all the details on page 21.

Take a midyear pause,
enjoy your read,
and don't forget to vote!

Register
NOW
for our free
Newsletter



Your
Number 1
for over
20 years

News for
Decision-makers
and Managers in
Safety & Security
Matters

**e-Issue
included!**



WILEY



Cover Story
Beyond 21st Century
 From Offices to Villas, Mobile
 Access Transforms Facility
 Security and Management
 page 6



GIT-SICHERHEIT.DE/EN/PRODUCTS
 PRODUCTS FOR PROFESSIONALS

**Product and Lead Platform
 for Safety and Security**



David Moser



Leo Levit



Ronnie Pennington



Andrew Elvish

3 Editorial
 Cincia Adorno

MANAGEMENT

COVER STORY
6 Beyond 21st Century
 From Offices to Villas, Mobile Access Trans-
 forms Facility Security and Management

EVENT
9 Airside Security 2025
 Expertise First-hand with Dallmeier and Nav-
 tech Radar

ACCESS
10 Noticeably Optimised
 Comprehensive Security in the Chemicals
 Industry

12 The Way Forward is Clear
 Lessons from Altronix's Expert in Access Con-
 trol Solutions

VIDEO
14 Is This Real?
 Deepfakes and Digital Trust:
 Why we need Authentication
 Technology to Secure Video Evidence

SMART HOME
16 Blue Frogs Abound
 The Frogblue International Partner Conference
 2025: Innovations and Perspectives in Focus

INTERVIEW
19 Mission Indispensable
 Building Bridges Through Global
 Marketing And Business Strategy

SECURITY

ACCESS
28 Planet-Friendly from Birth
 How Sustainability Inspires Innovation
 and Product Design

31 Securing Stories
 Rubinstein B.V. Writes a New Chapter in
 Door Management with Uhlmann & Zacher

32 Securing Airports
 A Conversation with Optex's
 Johannes Faber



21 GIT SECURITY AWARD
 Your Vote, Please



Olympia Dolla



Johannes Faber



Karlheinz Biersack



Michael Leppler

34 Fitness on Your Terms

Dom's Tapkey Technology making the Private and Secure Gym Come True

PERIMETER PROTECTION

36 Smart Eyes

Interview with Industry Expert
Karlheinz Biersack

CASH SERVICES

39 Cash Tomorrow?

Prosegur's Commitment to Cash Management and Security

FIRE PROTECTION

**SPECIAL
FOCUS**

42 Special Focus | The Tricky Batteries

Widespread Use of Modern Battery
Technology and the Inherent Fire Risks

FIRE DETECTION

45 Fire Proof is the New Stylish

Hochiki Fire System Installed in the
New AU Vodka Headquarter

LITHIUM-ION BATTERIES

46 Dual Fire Protection

The Ion-Line from Asecos Makes Charging
and Storing Lithium Batteries Safe

INDEX

QUICK-FINDER

ORGANISATIONS, INSTITUTIONS
AND COMPANIES IN THIS ISSUE

A dvancis	10, 29
Altronix	Inside Back Cover, 12
asecos	46
Assa Abloy	Front Cover, Inside Front Cover, 6, 25, 28, 41
Axis	14
B osch	30
D allmeier	36, 9
Dom	34
F rogblue	Outside Back Cover, 16, 25
G enetec	19
H ochiki	44, 45
Honeywell	18
i -Pro	18
M esse Frankfurt	35
Mobotix	15
Motorola	15
O ptex	32, 37
P rosegur	39
S iemens	44
Slat	20, 35
U hlmann & Zacher	13, 31
E agle Eye	24
Priorit	42
Salto	25
Security Robotics	26

© Clenta - stock.adobe.com

**Register for our
free Newsletter**

Now

**e-Issue
included!**

Git SECURITY
MAGAZINE FOR SAFETY AND SECURITY - WORLDWIDE

**Your
Number 1
for over
20 years**

WILEY

News for Decision-makers and Managers
in Safety & Security
Matters

WILEY



Becorp, Barcelona, Spain: Build-to-rent housing relies on mobile access

COVER STORY

Beyond 21st Century

From Offices to Villas, Mobile Access Transforms Facility Security and Management

In many different walks of modern life, digitalization also means moving to mobile. Mobile-first is becoming the norm across regions and industries, including for building access. This rapid growth seems only natural: in terms of access, it is more secure and more convenient, for both building users and managers, when the smartphone also becomes a key.

■ A mobile access solution makes possible two completely different operational transformations. When properly deployed, both are equally valuable in helping businesses meet their challenges. Firstly, for site users, mobile access empowers smarter working. Accessing buildings or other openings with a mobile key helps users to act faster, work smarter and collaborate better. Similar convenience benefits have already transformed banking, travel and food delivery into mobile-first services. With mobile access, staff no longer carry or keep track of physical keys, fobs, badges or cards. No more time-wasting handover meetings are scheduled when a tenancy, employment contract or authorized visit ends.

Secondly, mobile access also streamlines facilities and security management. It simplifies managing the secure, efficient movement of people into and through



© Assa Abloy Opening Solutions EMEA



Like all our mobile access solutions, we hope it helps our customers to realize new possibilities in whatever they do.

David Moser, Senior Vice President & Head of Digital Access Solutions Assa Abloy EMEA

premises. Mobile credentials are easier to amend or de-authorize than a mechanical key, including remotely. Changes to access permissions are made over the air, without dedicated readers or any need to ask a user to check-in their credential.

Mobile remote management can also free security teams from being tied to their desks. They can manage even granular access permissions from a portable device, leaving them more time to interact with other areas of the business or travel between locations. Thus, remote access



Mobile on The Rise

Across Europe as a whole, mobile subscriber penetration in 2022 reached 90%*. In Western Europe alone, there are 459 million active smartphones**. Currently, only a fraction of these are used for accessing buildings and other openings digitally. The situation is evolving fast: recent research projects mobile credentials' CAGR of more than 22% for the next 7 years***.

* www.gsma.com/solutions-and-impact/connectivity-for-good/mobile-economy/wp-content/uploads/2023/03/270223-The-Mobile-Economy-2023.pdf

** www.statista.com/topics/3341/smartphone-market-in-europe

*** www.researchdrive.com/9225/mobile-access-control-system-market

Mobile access boosts security and convenience

management saves hassle and helps facilities staff work more flexibly, benefitting both their well-being and their organization's productivity.

To the benefit of both users and site managers, mobile credentials are more secure: phones are almost never loaned out and are harder to lose than other credentials. If someone does lose their smartphone, an administrator simply cancels their mobile key and it is immediately blocked. Innovative mobile solutions can also offer specific benefits tailored to the premises. For example, at UK luxury car dealer H.R. Owen, the Parking Mode feature in one Assa Abloy mobile solution enables drivers to unlock car park barriers from 3m–5m away¹. They don't need to get out of a car to open the barrier. This reduces the risk of opportunist theft or unauthorized

access, critical for sites with high-value goods inside. It is easy to understand why mobile is, according to one analyst, "the dominant trend in access control".²

Mobile Digital Access Makes Life Easier for Facility Managers

"Digitalization helps organizations to maximize the productivity of their existing assets," explains David Moser, SVP & Head of Digital Access Solutions at Assa Abloy Opening Solutions EMEA. "By additionally adopting a mobile ethos, with innovative access solutions and more, businesses generate further significant ROI. They increase both user convenience and the security of their buildings. That's why so many of our access innovations provide the option to make access not only digital, but also mobile."

From a management perspective, mobile access enables the secure movement of people into and through premises – and simultaneously streamlines daily work for security staff. In the corporate and office sector, for example, a professional welcome is vital, for prospective staff and visitors. Mobile provides this, which is why the founders of ULab, a flexible office space in Alicante, chose Assa Abloy's SMARTair out-of-the-box wireless digital access solution with its Openow mobile key app.

Digitalizing access gave ULab staff real-time control via credentials which are easy to program and reprogram. Workspace users carry virtual keys on their smartphone inside the secure Openow app. ULab's security team update access rights over the air, anytime and from anywhere. In

Please turn page ►

Making the Guest Experience Mobile, Secure and Convenient

Hotel and holiday rental managers increasingly see digitalization as part of a frictionless 21st century guest experience, for room access and beyond*. "When Hotel Flint, one of Assa Abloy's customers in Austria, renovated 19th-century Villa Weiss, extending it with a 21st century structure, they sought an intelligent access solution which would both look good and help hotel staff provide guest services more effectively," explains David.

They needed flexible system administration to keep them in control – even



remotely – and which would future-proof door security and services. The Flint chose Assa Abloy's Tesa Hotel Wireless Online access management solution with 80 i-minimal electromechanical door locks,

wall readers and fire-certified i-max locks. This complete, future-proof technology solution is equally suited to a historic building as to a contemporary structure. These electronic door devices help the Flint to offer their guests an up-to-date hotel experience, including self-service check-in and accessing their rooms by smartphone. The hotel is rated 4.7/5 on Google**, with several reviewers noting the modern amenities and service.

* www.phocuswire.com/digital-id-hospitality-data-collection
** as of 22/4/25



Abloy Cumulus: Cloud platform with easy integration of digital access

case of an emergency, they could also lock or open doors, for example. Mobile access offers ULab both security and flexibility.

An ethos of social responsibility has permeated the corporate sector, too. Motives go beyond just altruism. Incorporating sustainability into an access strategy may also directly benefit the bottom line. Both business and the environment benefit when organizations reduce their power consumption by using battery rather than mains power, or more recent innovations such as energy-harvesting technology, for example. Green building certifications indicate to prospective partners or tenants that sustainability is taken seriously. Switching to mobile access also helps businesses reduce their single-use plastics consumption.

Broad Range of Mobile Access Solutions From Assa Abloy

Multi-residential housing is another sector where the advantages of mobile access have propelled its rapid growth. Fast-growing Spanish build-to-rent housing provider Becorp is just one company that has benefited from its convenience. For a planned new development in Barcelona, they sought

a digital alternative to mechanical keys. Becorp realised that a keyless solution would save property management time, which is often spent handling hundreds of physical keys. The burden on staff is especially great when properties are newly occupied or vacated, a regular occurrence in large build-to-rent complexes.

Residents instead use secure mobile keys in their own Openow app. "Physical key management for any large development puts severe pressure on operational costs," explains Becorp's Xavier Casals. "Choosing SMARTair wireless locks and mobile management via Openow helps us to minimize them."

Assa Abloy offers customers a wide choice of mobile access solutions, both within complete digital access systems and via devices which plug seamlessly into an existing security management solution; with mobile keys and programmable digital keys which users update via mobile.

"We provide customers with a choice of reliable solutions tailored to meet their exact needs, so they do not have to compromise," explains David. "Cliq Connect is a mobile extension to Assa Abloy's Cliq programmable key access solution. A

keyholder no longer needs to update their key's access rights in person. Their system administrator simply opens the Cliq Web Manager – from anywhere – and updates it. The key-holder makes an encrypted connection between their programmable BLE key and the app on the mobile to instantly update permissions from the cloud."

"Yet another mobile solution, Cliq Go, is designed for small and medium-sized businesses. It offers easy access management from a mobile. Cliq Go makes it simple even for non-specialists to manage their own access, digitally and from the palm of their hand."

Adding Mobile Access Capability to an Existing Building Solution

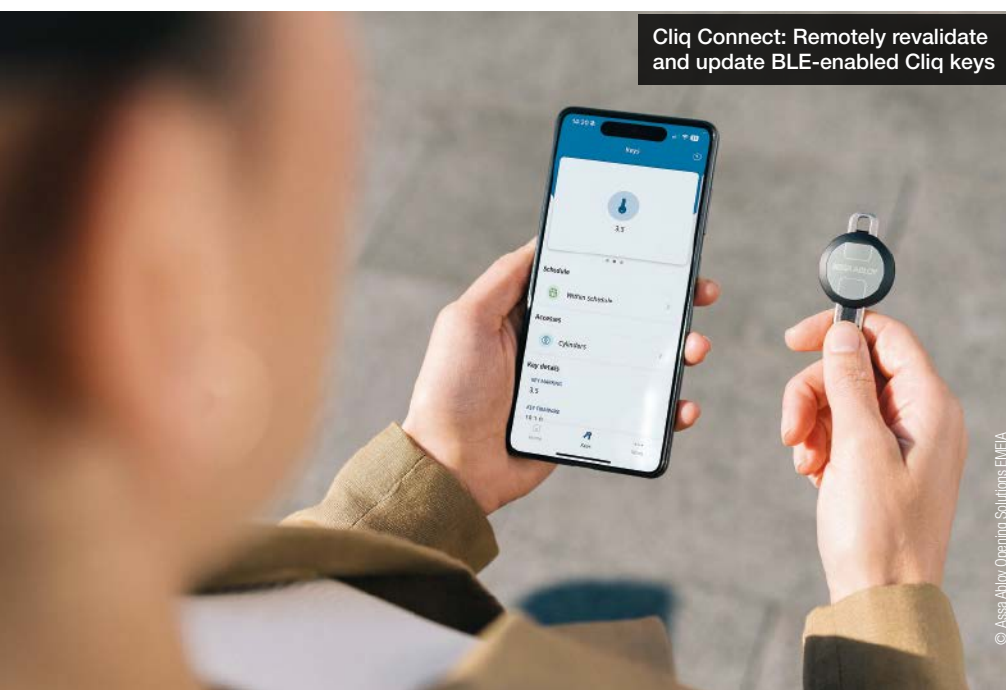
Mobile access is also built-in to Assa Abloy digital access devices designed for seamless integration with existing systems and hardware. Battery powered Aperio locks are compatible with both Bluetooth and NFC mobile wireless protocols. Aperio mobile access offers Seos-based, class-leading cryptography and authentication, plus unrivalled privacy protection. Utilizing HID Seos technology, Aperio also supports employee badge in Apple Wallet, enabling quick, convenient entry to doors, cabinets, lockers, server racks and other openings fitted with Aperio wireless devices.

Abloy Cumulus is another mobile solution, also part of Assa Abloy's suite of connected Digital Access Solutions. With Abloy Cumulus, tailored access rights are issued directly on a user's smartphone. Their personalized, encrypted mobile credential unlocks any authorized opening. In addition, the revolutionary Cumulus Controller brings mobile unlocking via Bluetooth to any electric or electronic lock – from any brand.

"We engineered Cumulus to help businesses increase their mobile capability to really get their access ready for what's ahead," adds David. "It is completely customizable, with APIs and SDKs for smartphone app development. Mobile becomes part of their business. Like all our mobile access solutions, we hope it helps our customers to realize new possibilities in whatever they do." **GIT**

¹ www.assaabloy.com/group/emeia/stories/customer-cases/h-r--owen

² www.ifsecglobal.com/security/the-evolution-of-mobile-credentialing-to-mobile-access-solutions



Cliq Connect: Remotely revalidate and update BLE-enabled Cliq keys

To learn more about Mobile Access Solutions from Assa Abloy, scan code



Assa Abloy Opening Solutions EMEA
www.assaabloy.com

www.GIT-SECURITY.com



EVENT

Airside Security 2025

Expertise First-hand with Dallmeier and Navtech Radar

Dallmeier electronic and Navtech Radar are now offering on-demand access to the presentations and expert sessions from their exclusive Airside Security Event, which took place in February in Bangkok, Thailand. Airport industry decision makers can now access comprehensive specialist knowledge – flexibly and at any time.

■ In February 2025, Dallmeier and Navtech Radar hosted an exclusive educational and networking event in Bangkok. Attendees from the airport industry, air force and air traffic control organisations gained hands-on insights into innovative security solutions for the sensitive airside area.

A highlight of the event was the presentation of the integrated solution approach from Navtech Radar and Dallmeier. Navtech Radar's advanced radar systems enable the detection and tracking of multiple intruders in all weather and lighting conditions – offering much more than just perimeter protection. Combined with Dallmeier's camera systems, this results in a scalable solution that provides comprehensive situational awareness for airside operations. **GIT**



Dallmeier electronic GmbH & Co.KG
www.dallmeier.com

Expert Knowledge Available on Demand

Dallmeier electronic and Navtech Radar are now making the content of their Airside Security Event available as on-demand video recordings. The recorded presentations can be accessed at <https://www.dallmeier.com/airside-security-review>. After a brief registration, interested parties will have free access to the entire programme.

The presentations provide valuable insights into topics such as:

- Use of radar and camera technologies
- Efficient monitoring of apron and runway areas
- Integration of cameras, radar systems, video management software and other sensors
- Best practices and strategies for optimising airside security and operational efficiency
- Innovative approach to air traffic and apron management



Register now to access expert knowledge

The video recordings are available now. After a quick registration at www.dallmeier.com/airside-security-review, users will have free access to all presentations and expert sessions.

Messages from the technical department, which is responsible for maintaining the facilities, can be seamlessly forwarded to the fire department

ACCESS

Noticeably Optimised

Comprehensive Security in the Chemicals Industry

Merck is active in Life Science, Healthcare, and Electronics. Around 63,000 employees work on products and services for the rapid development and production of medicines, methods of treating illnesses, or applications for intelligent devices. Merck has recently introduced the manufacturer-agnostic WinGuard platform from Advancis. The system integrates security, building and IT systems, and visualizes event reports and response procedures.

As in many other companies, the digitization of processes at Merck is a constant challenge that affects all parts of the company. A specialized company-wide IT team for security and crisis management looks after its own network that is sheltered from external influences by a firewall. The systems must run with the highest availability at all times because company-critical functions must run uninterrupted.

In contrast to the general company IT, one cannot rely on the outsourcing of responsibilities in all divisions. This is due to the fact that security requirements must largely be met with specialized and sometimes individual and specific system software and not standard software, for example for fire protection or for the dispatch system for the company fire brigade. For danger management however, Merck is using the open WinGuard integration platform from Advancis. The former danger management system was replaced after an intensive project study period and the creation of a new security concept.

Comprehensive Solution

The introduction of WinGuard led to a remarkable transformation and optimization of various processes. The whole sensor planning, commissioning, and main-

tenance right through to deactivation was digitized. The comparison of the systems and data bases involved was largely automated, although the four-eyes principle was intentionally applied to provide additional security.

WinGuard enabled existing processes to be digitized and thereby considerably shortened, accelerated and even completely removed. This led not only to a significant reduction of errors, but also to a beneficial reduction of manual effort. The reliable presentation of the current status of the connected systems provides the security team at Merck with comprehensive situational knowledge. This enables them to maintain an overview, to initiate predefined measures, and to work through them efficiently.

One main requirement that WinGuard fulfills is ensuring data consistency. Data discrepancies are prevented by the central management system and data entry enabled for the users. This ensures that all relevant information is always up-to-date and completely available when required. A further major advantage of WinGuard is the promotion of cross-team cooperation. Messages from the technology department that is responsible for the building's systems, for example, can be forwarded immediately to

the fire brigade. This problem-free communication and coordination between the departments greatly increases the efficiency and reaction time of the whole team.

Central Security Management

WinGuard handles all the scheduled events and is controlled by the existing web application used by Merck. This already supports the user with the processing of their daily tasks. It has been adapted by Merck so that the required events are communicated to WinGuard and the status of the events is monitored.

The user will be notified if there is any discrepancy from the expected status. Of particular interest here is the use of the authorization definitions from the existing web application, which ensure that only authorized persons can administer events for their defined area of responsibility – right from the moment they are created.

Routine checks can now take place without central supervision, and scheduled events carried out automatically. The supervisor receives a report on completion via the app on their cell phone. This enables significant savings when making regular detector checks and also makes it possible for just one person to do the audit revision of job tickets.

Life Science, Healthcare and Electronics: Merck employs around 63,000 people

Harald Buchner, a site manager at Merck, is very satisfied: "WinGuard supports us with carrying out our daily tasks and displays all the relevant information that is needed to handle an event when required. WinGuard is seamlessly integrated into our existing complex infrastructure and provides the necessary operational security and versatility through its redundancy structure. WinGuard fully meets the

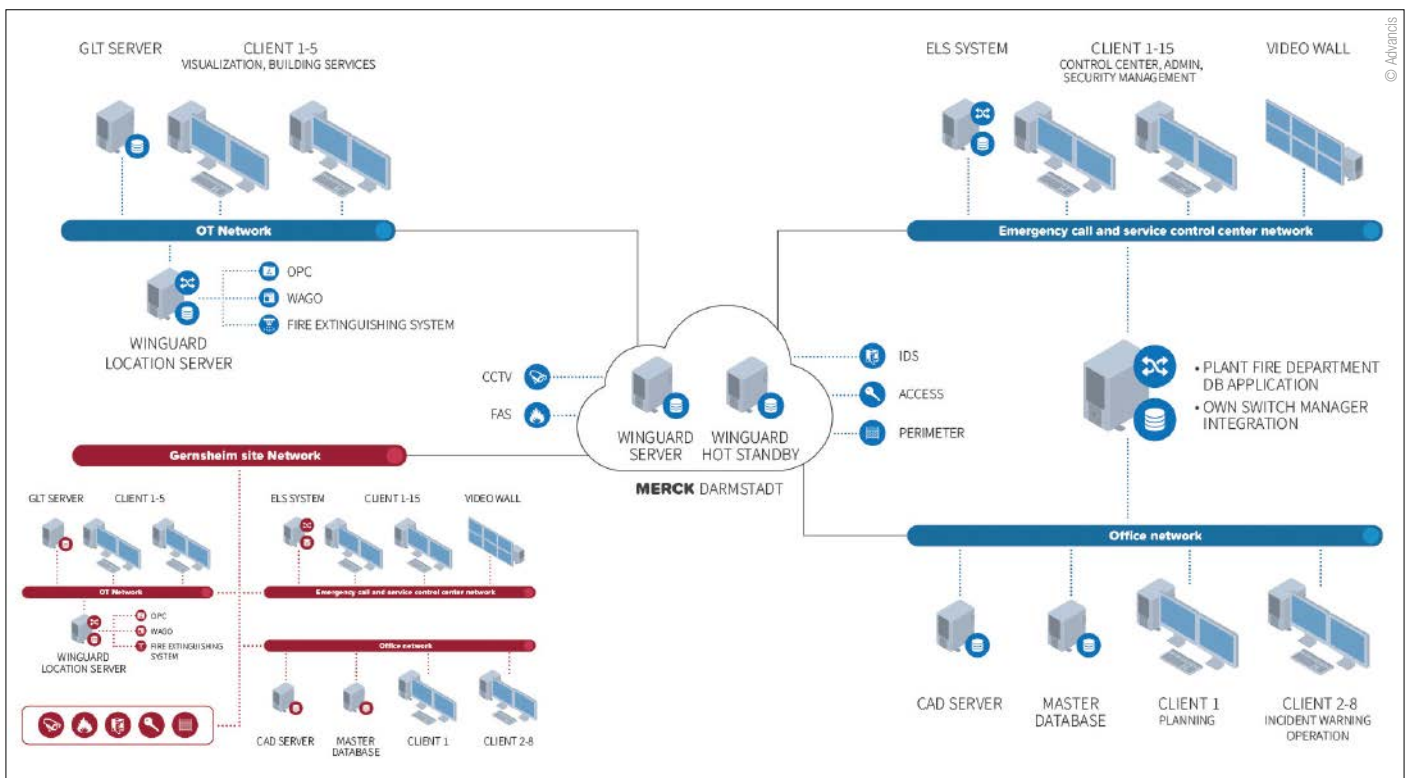
very differing requirements of various user groups and enables each to concentrate on their respective core business. We were able to replace the previous danger management system from initial planning to going live within eighteen months through the work of a highly competent project team. The first positive harmonization effects in processes and in data environments could already be seen during the implementation

phase of WinGuard and, amongst other aspects, measurable optimization could be made through fire watch reduction and time savings in research tasks." **GIT**



Advancis
www.advancis.net

WinGuard at Merck: 36 user stations, 100,000 data points, 16 interface adapters, two locations with more than 400 building sections



ACCESS

The Way Forward is Clear

Lessons from Altronix's Expert in Access Control Solutions

Security installations have long been plagued by hidden costs. Separate power in access control systems mean extra labor, longer deployment times, and expensive maintenance down the line. As facilities expand, these inefficiencies compound, making even minor system upgrades complex and costly. But cost isn't the only concern. Outdated access control infrastructure introduces vulnerabilities that go beyond suboptimal performance and create security risks.

■ Outdated access control infrastructure introduces vulnerabilities that go beyond suboptimal performance and create security risks. Power disruptions, system downtime, and fragmented integrations can lead to unauthorized access, operational delays, and increased liability. Organizations that fail to modernize are not just dealing with outdated hardware, they're exposing themselves to avoidable security gaps that put critical assets at risk. Access control must be designed as a unified, scalable system from the start. This means rethinking how power is integrated, how access control is deployed, and how security professionals can build infrastructure that is both resilient and adaptable.

The Shift to Integrated Access Control

Modern security requirements go beyond simply controlling who can enter and exit a facility. Organizations need systems that integrate power, access control, and networking into a cohesive framework. Traditional access control setups often struggle to support the level of coordination and remote management that modern security environments require. A more integrated approach eliminates these pain points by streamlining installations, reducing labor costs, and improving overall system reliability.

Several key factors are driving this shift. Expanding security systems with outdated infrastructure is expensive and unsustainable. Each new door or access point requires additional power sources, separate enclosures, and complex wiring. These operational setbacks not only increase costs but also introduce vulnerabilities that can weaken security. As security threats evolve, organizations need real-time monitoring and system-wide coordination, which

fragmented access control systems cannot easily support.

Advancements in power technology are also changing how access control is deployed. Power over Ethernet (PoE) has made it possible to distribute power and data through a single cable, reducing installation time and eliminating the need for separate electrical work. Remote power management solutions further enhance operational effectiveness by allowing security teams to monitor, diagnose, and manage power issues remotely. Pre-configured access control enclosures further simplify deployment by consolidating power and access components into a single system.

How Integrated Power and Access Solutions Optimize Performance

Security professionals often focus on the hardware and software components of access control, but the way these systems are powered plays an equally critical role. Installing access control solutions has traditionally been a time-intensive process, requiring separate enclosures for power and access devices, extensive wiring, and coordination between multiple teams. This fragmented approach not only increases labor costs but also introduces more potential points of failure.

Integrating power distribution and access control hardware into a single, pre-wired solution, streamline deployments and minimizes the risks associated with manual wiring. With fewer individual components to install and manage, the time required to bring a system online is significantly reduced, increasing your ROI.



Author: Ronnie Pennington,
Director Sales for the Americas, Altronix Corp

Labor costs are a major factor in access control installations, often exceeding the cost of the hardware itself. Traditional installations require electricians and security integrators to spend hours or even days routing wires, configuring power supplies, and ensuring compliance with various electrical standards. Combining power and access hardware help cut down these costs by allowing security teams to deploy systems faster, with less specialized labor and fewer materials.

The benefits extend beyond installation. Integrated power and access control solutions also improve system resilience by reducing potential failure points. Backup power solutions, including automatic transfer switches, ensure uninterrupted security operations even during power outages. When power distribution and access components are designed to work together within a single enclosure, the risk of misconfigurations, voltage drops, or system downtime is significantly lower. In the event of maintenance or upgrades, technicians can access a centralized power and access control hub instead of troubleshooting across multiple locations.

As organizations scale their security infrastructure, adopting integrated solutions ensures that future expansions remain cost-effective and manageable while improving overall security continuity.

Building Access Control Systems That Grow With Your Security Needs

Most access control systems are designed for immediate needs, not long-term success. They work fine until expansion is required, then the cracks start to show. Each new door, reader, or access point demands additional power, separate enclosures, and complicated wiring, turning what should be a seamless upgrade into a costly, time-consuming project.

This piecemeal approach leads to higher costs, longer installation times, and inconsistent system performance. Modular access control solutions solve this problem by providing a flexible framework that can be expanded as needed. Pre-configured enclosures designed to accommodate multiple access control components allow security professionals to add doors, readers, and power supplies without overhauling the entire system. This approach not only reduces installation complexity but also ensures that future expansions are more cost-effective.

Scalability is especially important for multi-site organizations or facilities with evolving security needs. A standardized, modular access control system allows for consistent deployments across multiple locations while simplifying maintenance and upgrades. Instead of managing a patchwork of different access control systems, security teams can rely on an integrated solution that grows alongside their organization.

Choosing the Right Access Control Enclosures for Optimal Performance and Security

Most security teams focus on credentials, readers, and software when designing

access control systems, but what about the infrastructure holding it all together? The wrong enclosure can turn even the most advanced security setup into a nightmare, complicating installations, increasing maintenance costs, and limiting future expansion. It's a detail that often goes overlooked, yet it directly impacts system performance, reliability, and scalability. Without the right enclosure, organizations risk higher costs, process disruptions, and security gaps that could have been avoided from the start.

One of the most important considerations is facility size and scalability. Small businesses may require a compact enclosure that houses a few access control boards and power supplies for single or even 2-4 door systems, while larger enterprises need modular enclosures that can support multiple doors such as up to 24-doors with power and integrate seamlessly with existing infrastructure. Choosing an enclosure that can accommodate future growth prevents costly retrofits and system downtime when additional access points are needed.

The installation environment is another key factor. Outdoor facilities, industrial sites, and high-security locations require enclosures built to withstand harsh conditions, including extreme temperatures, moisture, and physical tampering. Enclosures designed for these environments offer reinforced construction, weatherproofing, and additional security features to ensure uninterrupted operation.

Compliance and safety certifications should not be ignored. Many industries have strict regulatory requirements for access control hardware, especially in sectors like healthcare, finance, and government. Using enclosures that meet UL, NDAA, and TAA standards ensures compliance while reducing the risk of liability. These certifications also indicate that the enclosure has been tested for safety, durability, and performance under real-world conditions.

Another major consideration is centralized versus distributed power management. Some facilities benefit from a centralized power source, where all access control devices are powered from a single, well-organized enclosure. Others require distributed power solutions, where smaller enclosures are strategically placed to reduce wiring complexity and optimize power distribution. The right approach depends on the size and layout of the facility, as well as the specific security requirements of the organization.

Future-Ready Access Control Starts with Smarter Integration

When access control and power integration are treated as an afterthought, scalability suffers. Organizations that plan ahead with unified, modular solutions can future-proof their security infrastructure by reducing system limitations, lowering costs, and ensuring seamless adaptability as their needs evolve.

By combining power and access control within a modular, pre-configured system, security professionals can reduce installation complexity, streamline upgrades, and ensure long-term reliability. Integrated solutions minimize failure points, eliminate unnecessary wiring, and make it easier to scale security infrastructure without costly overhauls. This approach not only improves operational effectiveness but also strengthens overall system resilience—ensuring continuous security operations even during power disruptions.

The future of access control isn't just about keeping unauthorized individuals out. It's about building a security infrastructure that can adapt, expand, and perform optimally for years to come. Choosing the right power and integration strategy today ensures that **GIT**



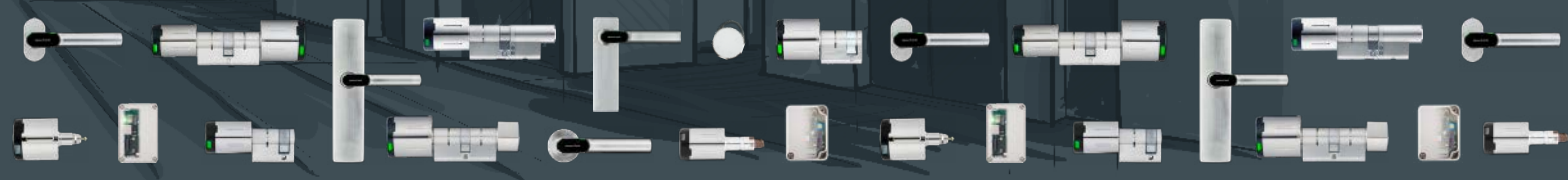
Altronix Corporation
www.altronix.com

Uz Uhlmann
& Zacher
ASSA ABLOY

SCALABLE, BATTERY-POWERED DIGITAL LOCKING SOLUTIONS FOR FLEXIBLE ACCESS MANAGEMENT

- Wireless installation eliminates the need for complex wiring
- Supports RFID, mobile credentials and various access methods
- Seamlessly integrates with existing access control systems

✉ contact@uundz.de
☎ +49 931 40 672-0



VIDEO

Is This Real?

Deepfakes and Digital Trust: Why we need Authentication Technology to Secure Video Evidence

■ However, the influences from generative AI are not all positive, with some presenting serious threats to the integrity of the industry's core set of technologies - video surveillance. One of the most pressing areas of concern is the growing prevalence of manipulated or "deepfake" videos, which are made possible by the mainstream availability of video alteration tools based on generative AI technology. Creating these deepfake videos or altering existing videos used to require expert skills and expensive equipment but can now be done using everyday apps, many of which are free to download or use.

While some instances of deepfakes or manipulated video are easier to spot - think a dinosaur wandering around an office lobby - other alterations to video can be seamless to the viewer because they don't involve obvious changes in the video footage. For example, altering the timestamp of a video clip to a different day or time can provide incorrect information about when the event occurred. Taking out specific frames of a video clip from an event can remove the event or person of interest in the video, which means the clip does not accurately represent the event. More extreme examples include substituting a face with that of another person in a scene or using generative AI to put a firearm in an individual's hand.

The threat of deepfakes has moved from theoretical concern to practical reality in recent years. In 2024, a multinational company in Hong Kong was tricked into wiring \$25 million to fraudsters after participating in a video call with a deepfake of the company's chief financial officer.

Law enforcement agencies have also reported instances where manipulated surveillance footage was submitted as evidence in criminal cases, with timestamps and content altered to create false alibis.

This ability to alter video can ultimately pose significant challenges to organizational trust in video evidence and the industry's ability to maintain the authenticity of surveillance footage, which can have severe consequences in many areas. Video is one of the most crucial pieces of evidence used in criminal investigations, court proceedings, and internal corporate security investigations.

In many countries, there is a very robust chain of custody process required as part of law enforcement investigations and the admission of the video as evidence in court. Public distrust in video can easily lead to



Author: Leo Levit,
Chairman
at Onvif Steering
Committee

concerns about reasonable doubt in the eyes of a jury or judicial ruling in court proceedings and corporate investigations.

If the current legal precedents about the admissibility of video evidence are undermined by AI manipulation, courts may be forced to establish entirely new standards for this type of evidence. This could potentially exclude video evidence in cases where authentication cannot be established.

For corporate security, the stakes are equally high. Internal investigations rely heavily on surveillance footage to resolve incidents ranging from workplace safety violations to theft and harassment claims. Human resources departments and corporate legal teams often base critical decisions on video evidence. If this evidence is in doubt, organizations face increased liability risks, higher settlement costs, and greater difficulty in fairly resolving disputes in the workplace. Insurance companies have also

Generative AI is promising to transform security systems, creating new heights of efficiency, accuracy, and depths of data depth that can be captured by these systems. These positive advancements are dominating our industry conversations about AI's impact on the security industry.

begun expressing concern about the ability to verify claims in an era of manipulable video, with some policies now specifically addressing digital evidence reliability.

The impacts extend beyond the courtroom and corporate settings. Public safety organizations, transportation systems, critical infrastructure protection, and national security applications all rely on verified video for both real-time decision-making and after-action reviews.

As these threats continue to grow, traditional forensic techniques to safeguard video footage will not be enough to protect against generative AI's ability to covertly and overtly alter surveillance video. This growing need for new solutions highlights the importance for industry collaboration and a standardized way to preserve the integrity of video and institutional trust in the footage as an accurate view of a situation.

Finding a Solution with Media Signing

As a global standards organization, Onvif is working on a method of video authentication called media signing that provides proof that the video has not been altered since it has left the specific camera sensor that captured the video. Securing the video at its earliest point, when the sensor in the camera captures the video, is key to ensuring the authenticity and trustworthiness of the video footage from camera to court.

On a technical level, the method involves a camera having a unique signing key that is used to sign a group of video frames, where each frame is accounted for. The signature is then embedded in the video. When the video is played through a media player (like a standalone video player or video management client) that supports media signing and a trusted root certificate from the camera manufacturer, the media player can verify that the video data originated directly from that specific camera and has not been tampered with. If pixels in a video frame have been altered, or frames have been removed or reordered, the signature verification will fail and the video player signals that the video is not valid.

Simplifying Authentication for Law Enforcement

Standardizing video authentication using Onvif enables a common way to verify the authenticity of the video it has received. This can help to streamline processes for video users such as law enforcement and other criminal justice personnel, who deal with video footage generated by systems from many different manufacturers that might use a variety of methods for protecting video. In addition, by securing the video right from the specific camera that captured it, there's no need to prove the chain of custody for the video. You can verify the video authenticity at every step — from the camera to a person viewing the exported recording. With authentication provided at the point of capture, the video can be traced back to the device that recorded it.

Open Source Release

Onvif is planning to release the implementation of media signing as an open-source project. Providing the specification to the open-source community will add transparency to the Onvif method and make it easier for a wide community of developers to use it, helping the standard gain wider adoption in the security industry. Making these standards available via open source will also create transparency in the technical implementation, preserving trust in the authentication process and the integrity of the video itself.

Standardizing this process for the security industry and others that rely on camera footage for other uses will provide consistency and reliability in the authenticity of video. Onvif believes that video authentication at the source (from the camera) through media signing will provide the assurances needed to preserve trust in surveillance video. **GIT**



Onvif

<https://www.onvif.org>

Motorola Solutions Completes Acquisition of Theatro

Motorola Solutions has completed its acquisition of Theatro Labs, a maker of AI and voice-powered communication and digital workflow software for front line workers, that is based in Richardson, Texas, USA. Theatro's software-as-a-service platform provides a suite of collaboration applications that deliver information in real time to help improve their productivity and physical safety. The platform is a strong complement to Motorola Solutions' existing enterprise security technologies and will further enhance support for front line workers, who make up 60% of the addressable global workforce and represent tens of millions of employees in North America alone. Motorola Solutions expects to integrate the company's complementary workflows into its wider portfolio of technologies to provide new value-added services while expanding into industries such as hospitality, health-care, manufacturing and education.

www.motorolasolutions.de

Mobotix: Konica Minolta Sells Stake – Thomas Lausten to Leave

Konica Minolta has announced the sale of its entire 65% stake in Mobotix AG, along with all associated shareholder loans, to Certina Software Investments AG, a 100% subsidiary of the Munich-based family equity investor Certina Group. This division specializes in the development and expansion of technology-driven businesses worldwide. As part of the agreement, Certina has committed to maintaining an investment credit line of €53.2 million extending through March 2026. The purchase price has not been disclosed. Closing is expected to occur in May 2025, and will be subject to customary antitrust clearance. The divestment is part of Konica Minolta's medium plan to divest non-focus business and concentrate on core business areas globally, as outlined in their recent statement. Konica's Imaging-IoT Solutions business will continue to provide highly value-added video solution services centered on security and safety.

www.mobotix.com

SMART HOME

Blue Frogs Abound

The Frogblue International Partner Conference 2025: Innovations and Perspectives in Focus

The International Partner Conference (IPC) of the technology pioneers Frogblue took place in Kaiserslautern from 23–25 February 2025. The event provided a platform for the presentation of innovations, strategies, and future perspectives in building automation and access control as well as a look at camera technology. The team of Dr. Ralf Hinkel and René Hinkel, the company founders, delivered keynotes, technical presentations and interactive workshops for the participants that gave a comprehensive impression of the latest developments and products.



René Hinkel with a frogTerminal

Frogblue provides solutions for the control of lighting, heating, roller blinds, doors, and more. The 'Made in Germany' products of the company from palatine Kai-

erslautern are based on Bluetooth technology and, without needing a central control unit, are easy to install and versatile. The customers include both private households

as well as commercial and industrial users "that value reliable and secure automation solutions", according to company founder Dr. Ralf Hinkel, who had already established other successful companies before Frogblue – among them the IP video system provider Mobotix, that meanwhile belongs to the Japanese concern Konica Minolta Group.



A presentation during IPC 2025

International Partner Conference 2025

Frogblue invited its partners from 23 - 25 February 2025 to its International Partner Conference to see the latest developments and innovations in building automation and access control. The event began with the presentation of some of the most important people in the company, among them the CEOs Dr. Ralf Hinkel and René Hinkel, Software boss Julian Lenser-Hobbs and head of sales Alexander Fuksik. Sales are managed by Christian Heller.

The formal part of the event started with Dr. Ralf Hinkel. In his keynote address, he showed the highlights of the new frogTerminal. This device provides decentralized access control and building automation based on the international SIP standard.

It enables communication between different telephone systems and ensures high security through the integration of cell phone controls.

The frogTerminal – alongside the event, a winner of one of the desirable 2025 GIT SECURITY AWARDS – is an SIP video door station with a hemispherical 180° camera and a resolution of 8 MP. It has an integrated 3.5" touch display that can display numerous calling buttons or function as required, and is ideal for multi-occupant scenarios. Access is granted by a PIN and/or an RFID interface (Mifare DesFire EV2). The connection to the power supply is via a network cable (PoE) or 24 V AC/DC over bell wire and WLAN.

Further interesting presentations followed, among them the sales strategy and marketing as well as a partner presentation of a customer-specific SaaS interface for RFID integration. Technical insights were provided by Julien Lenser-Hobbs, who also explained some further advantages and functions of the frogTerminal in detail.

The concept of the 'Frog' is always highlighted at such events, little Bluetooth modules that make decentralized and versatile building automation possible. These modules 'talk among themselves' and ensure the reliable and secure control of all the connected devices. Coincidentally that are also the source of the company's name: signals hop from one device to the next, just like frogs – and all via Bluetooth – which results in the Frogblue name.

What Are Frogs Again?

For those who do not want to leaf through past issues of GIT SECURITY, we can happily explain again: the Frogs from Frogblue are small, powerful Bluetooth modules that can be installed behind standard light switches of power sockets for example, and only require 230 V. These modules are the heart of the Frogblue system and provide the wireless connection and control of lighting, roller blinds, ventilators, windows, doors, heating, intercom systems, and standard light switches.

The Frogs communicate amongst themselves via a Bluetooth mesh network, which ensures the reliable and secure control of all the connected devices. Each module can carry out switching and dimming commands, take measurements, open doors, and much more. Communication takes place extremely quickly and, importantly, is forwarded encrypted to extend the range.

Major advantages of the Frogs are their simple installation and versatility. As no central server or control unit is necessary, the modules can easily be retro-fitted to existing buildings. Configuration is made via an app so that switching or changeo-

ver events and central commands can be altered later on.

Product Portfolio of Frogblue

The IPC gave all the participants plenty of opportunity to study the complete range of innovations from the Palatinate region, or to have them explained. Frogblue has a broad palette of products that cover all aspects of building automation. They include solutions for lighting, providing



The Frogblue team at the recent IPC 2025, (l-r): Julien Lenser-Hobbs, Sabine Hinkel, company founders Dr. Ralf Hinkel and René Hinkel, Alexander Fuksik

shade, heating and ventilation, alarm systems, access control and communication as well as remote control.

The products are reputedly very cost-effective and use Bluetooth technology to establish a wireless connection to lighting, roller blinds, ventilators, windows, doors, heating equipment, intercom systems, and standard light switches.

Some of the prominent functions and products of Frogblue are:

- Lighting: control of all light sources, including variable dimming sequences with DALI 2 compatibility. Building-wide LED control and color synchronization throughout all rooms.
- Shade: time and weather-controlled shuttering with central and zone functions. Integration of various wind and daylight sensors.
- Heating: Heating control systems that ensure the right temperature in each room, whether from underfloor heating, radiators, or electric heating. Day and time-controlled programs optimize the energy usage of each room.
- Alarm system: Messages about opening of doors or windows or switching on lights

on your cell phone. Push messages by app, e-mail or a call.

- Access and communication: decentralized access control and communication via the frogTerminal. Integration of SIP telephony and direct connection to terminals without additional hardware.

- Remote control: control of all functions from anywhere in the world via a cell phone with an active cloud service.

It is interesting to mention the slight hint that Frogblue will also be offering IP cameras as from 2026 with functionality such as face recognition, license plate recognition, and object identification.

Summary: what can the Frogblue products do?

Frogblue offers a number of advantages that can make your products an attractive choice for building automation. Here are some of the main benefits:

Simple Installation and Flexibility:

- Frogblue products use Bluetooth technology, which enables wireless connections to lighting, roller blinds, ventilators, windows, doors, heating equipment, intercoms, and standard light switches.
- Installation is simple and requires no central control unit or server. The modules can be fitted behind standard light switches or power sockets and only needs 230 V.
- The configuration is done through an app that allows later alteration of switching or changeover events and central commands.

Please turn page ►

Cost Efficiency:

- Frogblue products are very cost effective because they do not need expensive control cables or a central control unit.
- The innovative heating control saves energy costs by ensuring the correct temperature in each room, and provides daily and time-controlled programs to optimize energy usage.

Reliability and Security:

- Frogblue systems are very reliable and have no central point of failure. Parallel transmission via Bluetooth and WLAN mesh ensures a stable connection.
- If the power fails, the system restores the conditions before the failure within one second.
- All data stays in the building and the functions can be used without a cloud subscription or IT infrastructure.

Versatile Control Options:

- The control of all functions can be via Bluetooth or worldwide via a cell phone with an active cloud service.

- Time and weather-controlled blind control with central and zone functions as well as the control of all lighting sources, including variable dimming settings and DALI 2 compatibility are available.

- The system includes an alarm system that sends messages to a cell phone when windows or doors are opened, or light switches are operated.

Innovative Functions:

- Frogblue offers a number of innovative functions, such as the warm feet feature that simultaneously provides comfort and saves energy.
- The products are future-proof and can be adapted years later to changed user requirements.

User-Friendliness:

- The configuration and operation of Frogblue products is license-free and includes free updates.
- Any technically-savvy person can configure the switch functions, changeovers, and central commands themselves using

the app, without having to lay or connect any cables.

Summary of the IPC 2025

The conference provided a good overview of both the current and the new versions and the functionality of the Frogblue systems – and also provided the participants with the opportunity to take part in interactive workshops or join in with feedback discussions and Q&A sessions. Also on offer were technical training and the viewing of a show house to experience the practical application of Frogblue technology first-

Innovative solutions and a real vision for the future of building automation: everyone at the IPC could experience their own wonderful blue frog, and see everything that the products of this German entrepreneur and inventor family Hinkel & Co. can achieve, move, and control in houses and commercial property. **GIT**



Frogblue Technology GmbH
www.frogblue.com

© Frogblue Technology GmbH

**Honeywell Wins Two Research Grants to Advance Avionics and Defense Cybersecurity**

Honeywell has received two research grants to execute projects aimed at advancing avionics and cybersecurity capabilities for the European defense sector. The multi-year projects will be carried out by Honeywell International s.r.o. – a subsidiary of Honeywell International based in the Czech Republic. The work will be conducted at the company's advanced engineering center in Brno. The New Generation Military Integrated Modular Avionics (NG-MIMA) project and the Artificial Intelligence Deployable Agent (AIDA) project have been awarded under the European Defense Fund (EDF), which supports the development of European defense innovation. The NG-MIMA project, coordinated by Spanish company Indra Sistemas, aims to develop next-generation European military avionics in the form of an integrated, modular system for aircraft. The AIDA project, led by CR14 – a foundation established by the Estonian Ministry of Defense – focuses on the development and modernization of cyber defense technologies.

www.honeywell.com

i-Pro Named as One of the Best Places to Work in Europe

i-Pro EMEA (formerly Panasonic Security), a manufacturer of edge computing cameras for security and public safety, is proud to announce its certification as a Great Place to Work for the second year in a row. This prestigious recognition highlights the company's unwavering commitment to fostering an inclusive, ethical, and empowering workplace culture across its global operations. In Europe, the survey revealed that 96% of employees feel welcomed when they join the company, and 98% believe that management is honest and ethical in its business practices. Employees also reported that management is approachable and easy to talk to, with 96% highlighting this as a key aspect of their experience. Great Place to Work is the global standard for workplace culture, employee experience, and leadership behaviors proven to drive employee retention, innovation, and revenue. i-Pro is actively seeking talented individuals to join their team as they continue to expand. **i-pro.com**

INTERVIEW

Mission Indispensable

Building Bridges Through Global Marketing And Business Strategy

From its early days, Genetec has evolved into a global provider of services and solutions in Access Control, Cybersecurity, IT and Physical Security, as well as Cloud Security. With a network of partners and consultants, the company serves over 42,500 clients worldwide. At Intersec 2025, GIT SECURITY seized the opportunity to speak with Andrew Elvish, Vice President of Marketing at Genetec, who shares insights into both his individual and the corporate commitment to the philosophy of unification.



Andrew Elvish, Vice President of Marketing at Genetec

■ GIT SECURITY: Mr. Elvish, Genetec has been a transformative force in the physical security industry for over 25 years. Can you walk us through the company's journey?

Andrew Elvish: Looking back on the past 25+ years, it's remarkable to see how Genetec has evolved. What began as a company focused on security solutions has grown into a global technology leader, shaping the future of physical security and enabling businesses and communities around the world to thrive. Our commitment to innovation and pushing boundaries has been the driving force behind this transformation.

We are a proud Canadian company, but we are also a truly global organization with a footprint in 159 countries. Our flagship platform, Genetec Security Center, along with Genetec Security Center SaaS, unify security functions like access control, video surveillance, license plate recognition, intrusion detection, and analytics—all under one powerful system. More importantly, we've built these solutions with flexibility and cybersecurity at their core. We empower our customers to choose the tools they need without being locked into a single brand and deploy them where it makes the most sense, whether on-premises, in the cloud, or in hybrid environments.

As the Vice President of Marketing, what are your primary responsibilities and your personal goals at Genetec?

Andrew Elvish: As Vice President of Marketing at Genetec, my primary responsibility is to guide our global marketing efforts in alignment with the company's mission to deliver innovative solutions in physical security. I focus on building high-performance teams across marketing, communications, product marketing, and customer experience, ensuring we stay agile and ahead of the curve.

A big part of my role is bringing people together - bridging the gaps between marketing, sales, and product management so that our messaging resonates with our customers and reflects the latest industry trends. I'm passionate about taking a thoughtful, data-driven approach to everything we do, whether it's launching new products, enhancing our digital presence, or strengthening connections with our partners and end-users.

My goal is to help Genetec grow by amplifying our voice in the market and, more importantly, by helping our customers realize the full potential of our technology in ways that truly make a difference for their businesses and communities.

Your role sounds like a comprehensive mission that demands full attention to both customer needs and market trends. What solutions does Genetec's portfolio offer to meet modern demands?

Andrew Elvish: The Genetec portfolio is designed to empower enterprises, governments, and communities to protect people and assets while driving operational effi-

ciency and maintaining a strong commitment to privacy and cybersecurity.

Our offerings include world-leading solutions for video management, access control, and Automatic License Plate Recognition (ALPR), all built on an open architecture that ensures flexibility, scalability, and ease of integration. Beyond these core solutions, Genetec provides advanced tools for intrusion detection, intercom systems, and digital evidence management, enabling organizations to unify their security operations seamlessly.

Our Federation feature enables customers to connect multiple sites and gain a global view of their operations from a single platform. Our solutions are particularly well-suited for customers with complex, multi-site needs or those requiring seamless integration across diverse functions and devices. Additionally, we prioritize stringent cybersecurity measures and respect for privacy, ensuring our systems meet the highest standards.

Through continuous collaboration with customers, we have developed tailored, industry-specific solutions that not only enhance security but also deliver actionable insights to optimize operations and support long-term growth.

Intersec is a major event in the security industry. How was the experience for Genetec, and what is the most advanced solution you presented this year?

Andrew Elvish: Intersec was a really good show for us this year. It provided us with

an excellent opportunity to engage with our customers and partners while showcasing how we are driving the future of security technology. We presented the latest version of Security Center, our cutting-edge platform which was recently approved by Dubai's Security Industry Regulatory Agency (SIRA). This platform features enhanced mapping capabilities and advanced authentication tools, designed to streamline the management of large-scale projects.

We also showcased Operations Center, our new work management solution that simplifies security operations, alongside Cloudlink 110, a compact device that facilitates seamless transitions to the cloud for businesses that are looking for a hybrid approach.

A rapidly transforming market like the security industry requires constant innovation and adaptation. What development can customers expect from Genetec's products soon?

Andrew Elvish: Physical security operations put in substantial efforts to guarantee a secure day, one where everything runs smoothly without anyone noticing. Yet, they frequently lack the necessary tools for effective performance. That's why we have developed Operations Center within our Security Center platform to enhance cross-department collaboration. By integrating workflow management and ticketing systems, security teams can now extend their influence beyond their traditional role. The more security professionals position themselves as enablers of business continuity, efficiency and resiliency, the more they will be seen as indispensable decision-makers.

Staying ahead of trends and adapting to changes is a big part of success.

How do you see security technology evolving in the next five years?

Andrew Elvish: The security technology sector is heading into an exciting period of transformation over the next five years. Organizations are becoming more strategic in how they deploy cloud in their environment. They're finding the right balance, combining on-premises, edge, and cloud solutions wherever they fit best. Our recent State of Physical Security Report 2025 found that 48% of end users in the META region are planning to implement hybrid deployments as their preferred approach within the next five years. That's because there's no all-or-nothing with a hybrid-cloud approach. Businesses remain in total control of how they deploy their systems across various locations. With an open ecosystem, they can implement the best technology—whether on-premises or in the cloud—that meets their business needs and avoid unnecessary compromise, without ever being locked into proprietary solutions. This allows them to deploy, scale, and upgrade systems faster, streamline processes, and strengthen their security posture in the most efficient and effective ways.

AI will also play a significant role in addressing operational challenges through intelligent automation. By focusing on outcome-driven benefits, organizations can streamline operations, enhance efficiency, and build trust with responsible AI practices that ensure ethical and transparent use.

Data privacy and compliance will remain top priorities, especially as the financial and reputational costs of data breaches rise. Security solutions with built-in privacy features, cloud-based updates, and advanced certifications will dominate the market.

Collaboration across IT, facilities, and security teams will become essential as

organizations face talent shortages. Tools that empower cross-team collaboration and simplify workflows will ease operational stress and enhance productivity.

End users are also demanding more from service providers, expecting them to offer comprehensive expertise across cybersecurity, data, and business automation. By addressing these challenges with innovation and adaptability, the security technology sector will continue to evolve as a cornerstone of modern organizational resilience.

While providers strive to perfect and comprehensively optimize their services, that's only half the equation. As a global player, how does Genetec handle local and international regulations?

Andrew Elvish: The global security technology sector is shaped by diverse regulatory frameworks and evolving privacy standards. We've built our solutions to keep up with these changes, helping organizations stay compliant with local rules while following global best practices. By prioritizing secure access controls and giving our customers the tools to manage data responsibly, we help organizations navigate complex regulatory landscapes with confidence. Our commitment to continuous software development and ethical practices ensures that, regardless of regional differences, our solutions remain aligned with evolving legal and privacy requirements, fostering trust and resilience in an ever-changing security environment. **GIT**



Genetec

www.genetec.com

DC UPS Cabinet Boosts Access Control Efficiency and Eases Installation

The tamper-proof DC UPS AXS2 (EN 50131-6 Grade 2), equipped with fault indicators via potential-free contacts, now features a new, modernized design. The updated C35 cabinet offers more internal space than its predecessors, simplifying the installation of customer equipment and securely accommodating the required batteries (7Ah to 17Ah). Versatile connection options are available thanks to one or two integrated circuit boards, offering configurations with 2, 6, or 10 user outputs. A standout addition to SLAT's enclosure range is the new C35 cover, featuring a top-opening design and a sleek locking mechanism. The cover remains safely open in its fixed position until manually released, making installation and maintenance easy. Practical details such as spacers and multiple cable entry points (rear, side, and base) also help with quick and efficient installation. **www.slat.com**



Your Vote, Please

Once again our GIT SECURITY AWARD jury has nominated a qualified shortlist of industry products. Now, it is up to you, our readers, to select your favorite product and vote. We will present the nominated products online only with the advantage that you can vote directly on the presentation platform.

GIT SECURITY AWARD categories

We have asked security and safety product vendors to submit their best products in the following categories:

- A – Machine & Plant Safety
- B – Occupational Safety and Health & Explosion Protection
- C – Video Security Systems & Video Management
- D – Access Control & Intruder Alarm
- E – Security Management, Building, Safety & Perimeter
- F – Fire Protection

Voting

We present the nominated products as listed on the next pages. All readers can vote directly via the voting tool online on www.security-award.com. An easy way to do this is to scan the QR code in this article. To ensure fairness, companies cannot vote for their own product. Moreover, you will have to vote with your company address. Private persons are not entitled to vote. Therefore, a business address is essential. Please select one product in each category. Vote now – Voting is possible from 1 June to 1 September, on www.security-award.com

Reader Prize

Win the reader prize! Select one favourite from each category to take part in the draw for 3 Wiley-branded Ledlenser P7R Work UV.



GIT SECURITY AWARD FINALISTS

**Voting will start 1 June
and will be open until
1 September via
www.security-award.com**



WILEY

Category A: Machine & Plant Safety

Bernstein	SIB sensor for safety concepts
Bihl+Wiedemann	ASi-5 Safety I/O module in IP20, 14SE/2SA (BWU4277)
Georg Schlegel	2BSecure interface protection
K.A. Schmersal	DHS door handle system
Leuze electronic	RSL 200 safety laser scanner
Moxa Europe	EDF-G1002-BP series
Pilz	PSENmgate safety gate system
Pizzato Deutschland	CS AM series safety modules – motor monitoring for optimized control and protection
Rose Systemtechnik	Safe enclosure solutions for the hydrogen industry
Sick	DMM4 extension module
SSP Safety System Products	Smart process guard locking HOLDX R with IO-Link

Shortlist Highlights**Category A: Machine & Plant Safety****Georg Schlegel: 2BSecure – Interface Protection**

Unprotected machine interfaces pose a serious cybersecurity risk, potentially allowing malware or data manipulation. Schlegel's 2BSecure system addresses this by disabling interfaces by default. Only authorized personnel can activate them via key switch or RFID, ensuring no data transmission is possible beforehand. This protects both machine control and sensitive network data. Developed as a compact (50 × 60 × 17 mm), flexible black box, 2BSecure is installed between the interface and the end device—typically well protected inside the machine. It supports USB-A, USB-C, and Ethernet, and integrates easily into existing infrastructures. Controlled via the end device, it enables seamless implementation and can be adapted to various applications. By securing open interfaces, 2BSecure supports compliance with the new EU Machinery Regulation 2027 and the Cyber Resilience Act (CRA), setting a new benchmark in industrial cybersecurity.

Category A: Machine & Plant Safety**Leuze: Safety Laser Scanner RSL 200**

With the RSL 200, Leuze introduces the smallest safety laser scanner on the market—just 80 × 80 × 86 mm—ideal for space-constrained applications like AGVs and compact machines. Despite its ultra-compact size, it delivers top-tier performance: PL d certification, a 275° scanning angle, and protective fields up to 3 m with 50 or 70 mm resolution. Up to 32 field sets, each with one protective and two warning fields, allow flexible adaptation to dynamic environments. The RSL 200 also provides measurement data for AGV navigation. Designed for modern diagnostics, it replaces bulky displays with a Bluetooth-enabled app for fast, detailed insights via mobile devices. Configuration is possible via Bluetooth, USB, or Ethernet using Leuze Sensorstudio. A replaceable configuration memory ensures quick device replacement without expert knowledge. With rotatable M12 connectors and a compact mounting bracket, the RSL 200 sets new standards in safety, flexibility, and ease of integration.

**Category A: Machine & Plant Safety****K.A. Schmersal: Door Handle System DHS**

The DHS door handle system combines intuitive signaling with integrated control and safety functions. Thanks to RGB technology, it can display seven distinct colors to indicate machine status—fully customizable by the user. An integrated push-button, also color-configurable, can be used for functions like reset. The system eliminates the need for separate handles, indicator lights, or control units, reducing installation time. In combination with the flat, modular BDF40 control panel, which offers up to four control/display elements and optional emergency stop, the DHS system ensures all key functions are within reach. It can also be paired with safety components like the RSS260 sensor, which replaces a separate safety relay, or the AZM40 solenoid interlock for applications requiring process protection. The DHS system sets new standards in ergonomic, space-saving, and intelligent machine access control.



Category B: Occupational Safety and Health & Explosion Protection

Asecos	Ion-Line Ultra safety cabinet
Baak	Barefoot safety shoe Pan S1PS FO HRO SR ESD
Blåkläder Deutschland	High Vis long-sleeved shirt with UV protection
Denios SE	AmbiGuard
Düperthal Sicherheits- technik	Battery line safety storage cabinet with Düperthal connect 24/7 monitoring
Ejendals AB	Tegera Oil Grip glove for oily working environments
Munk	FlexxTower SGX one-person scaffolding for working heights of up to 9.55 meters
W.L. Gore & Associates	Pyrad Technology by Gore-Tex Labs

Shortlist Highlights



Category A: Machine & Plant Safety

Pizzato: CS AM Safety Modules – Motor Monitoring for Control and Protection

The CS AM series from Pizzato Elettrica enhances the synergy between automation and safety by offering advanced motor monitoring in a compact form. Key innovations include sensorless speed monitoring, real-time motor data analysis, and software-based parameterization. Standstill is detected via residual voltage, while speed is monitored through motor phase frequency. For systems with mechanical transmission, a third channel using a proximity sensor can detect faults like overload or belt breakage. Available with OSSD (22.5 mm) or relay (45 mm) outputs, the series includes three models: CS AM1 for motor stop monitoring, CS AM2 for speed and direction, and CS AM3 combining both. Each is offered as a fixed or configurable version, the latter featuring a USB-C port and the in-house developed CS AM Configurator software. The CS AM series delivers precise, flexible, and space-saving safety solutions for modern industrial environments.

Category B: Occupational Safety and Health & Explosion Protection

Baak: Barefoot Safety Shoe Pan S1PS FO HRO SR ESD

With the Pan, Baak expands its Barefoot series by combining certified protection with advanced ergonomic design. This vegan S1PS safety shoe, compliant with EN ISO 20345:2024, features a wide toe box, zero-drop sole, and NeoShield penetration protection – enabling natural foot movement while ensuring high safety standards. The patented Go&Relax system, developed with biomechanics expert Prof. Gert-Peter Brüggemann, promotes a healthy foot position, reducing strain on knees and back. Lightweight and flexible, the Pan enhances comfort and supports long-term wearer health. Its breathable textile structure with ventilation zones ensures optimal foot climate. Designed for demanding work environments, the Pan offers durability, flexibility, and economic value by reducing downtime and improving workplace well-being. With the Pan, Baak delivers a forward-thinking solution that meets the evolving needs of modern safety footwear.



Category B: Occupational Safety and Health & Explosion Protection

Blåkläder Hi-Vis UV-Protected Long-sleeved T-Shirt

The Blåkläder 3599 Hi-Vis UV-Protected Long-Sleeved T-Shirt is designed for demanding outdoor work in heat and sunlight. Made from breathable Birdseye knit fabric, it efficiently wicks moisture, dries quickly, and feels soft – avoiding the plastic-like texture of many synthetics. Strategically placed mesh inserts enhance ventilation in key sweat zones, while integrated UV protection shields the skin from harmful rays. Underarm seams are ergonomically positioned to prevent chafing and allow full freedom of movement. Segmented reflective strips ensure high visibility without compromising flexibility. Available in multiple high-visibility color combinations, the shirt combines safety, comfort, and durability. The same functional fabric is also offered in polo and short-sleeved versions for men and women, allowing workers to choose the best fit for their environment and preferences.



Category C: Video Security & Video Management

Axis Communi-cations	Q1728 Block Camera
Eagle Eye Net-works EMEA	Eagle Eye Automations automation solution for security management
Hanwha Vision Europe	Dual-Lens Barcode Reader Camera TNS
i-Pro EMEA B.V.	Active Guard - Intelligent search directly on the camera
LivEye	NSTR - Video security made in Germany
Milestone Sys-tems Germany	BriefCam - Intelligent video analytics
Mobotix	The Mobotix M One camera
Raytec	Network lighting VARIO2 Hybrid IPPoE 16
Toire	Security system for highly sensitive areas
Vicon Industries	Next Modular camera system

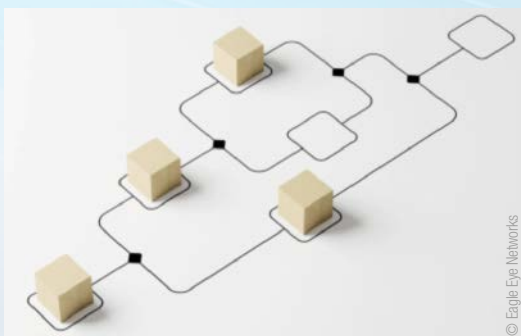
Category D: Access Control & Intruder Alarm

Abus	Tectiq access control system
Advancis	AIM – Advanced Identity Manager
Ajax Systems	MotionCam Outdoor HighMount (PhOD) Jeweller
Assa Abloy	Assa Abloy Access
Bird Home Automation	DoorBird D31x Series IP Video Doorphone
DNAKE	AC02C – Access control terminal
Dormakaba	Skyra access solution
frogblue	frogTerminal with mechanical reliability
Genetec	Security Center SaaS with Cloudlink 210
Paxton Access	Entry and Paxton Entry App
phg Peter Hengstler	Voxio Touch frame RFID reader
Indexa	Smart access system CT300
Salto Systems	XS4 Face - facial recognition for access control
Telenot Electronic	hiplex 8400H – Intruder alarm control panel

Shortlist Highlights

Category C: Video Security & Video Management**Eagle Eye Networks: Automation Solution for Security Management**

Eagle Eye Automations for intelligent video-driven security workflows: the automation solution enhances the Eagle Eye Cloud VMS (video management system) by enabling intelligent, rule-based workflows across connected systems. Users can define triggers—such as person or vehicle detection, or license plate recognition—and automate actions like sending alerts, unlocking doors, or notifying monitoring centers. This reduces manual intervention, streamlines operations, and ensures rapid response to critical events. All rules and actions are managed through a centralized interface, offering full control and scalability for businesses of any size. Notifications can be sent via email, push alerts, or directly to platforms like Immix and Sentinel. Physical actions can also be triggered via webhooks. Eagle Eye Automations transforms video surveillance into a proactive, integrated security solution—boosting efficiency, responsiveness, and situational awareness.

**Category C: Video Security & Video Management****Mobotix: M One – AI-Powered 4K Surveillance for Critical Environments**

The Mobotix M One combines 4K UHD imaging with advanced AI in a rugged, saltwater-resistant housing. Designed and manufactured in Germany, it meets the highest standards for critical infrastructure, healthcare, and transportation. The camera delivers sharp images at 30 fps, with 120 dB WDR and strong low-light performance. Its deep learning-based ActivitySensor One reliably detects people, vehicles, and objects, reducing false alarms and enabling smart automation. The M One supports H.264, H.265, MxPEG+, and M-JPEG, is ONVIF-compliant, and integrates with Mobotix software and cloud platforms. An internal DVR (up to 1TB) allows standalone recording. HD audio with built-in mic and speaker enables two-way communication. With flexible connectivity (RJ45, I/O, USB-C, 12/24VDC) and PoE support, the M One is easy to integrate. Energy-efficient at just 12.95 W, it comes with a 5-year warranty, extendable to 8 years.





Category D: Access Control & Intruder Alarm

Assa Abloy: Cloud-Native, Battery-Free Access Control

Assa Abloy Access is a cloud-native platform that unites two breakthrough technologies: battery-free, energy-harvesting locks (Abloy Pulse) and a mobile-first, keyless access system (Abloy Cumulus). Together, they deliver secure, scalable, and sustainable access control. The locks generate power through physical interaction, eliminating batteries and wiring—ideal for remote or infrastructure-heavy sites. Mobile credentials are stored securely on smartphones, work offline, and sync audit trails when reconnected. Designed for sectors like commercial real estate, healthcare, logistics, and education, the platform scales from single sites to enterprise-level deployments. A unified cloud interface enables real-time access management, multi-site control, and integration via open APIs. With encrypted communication, role-based access, and GDPR compliance, Assa Abloy Access sets a new standard for modern, eco-conscious access management.



Category D: Access Control & Intruder Alarm

Frogblue: Smart Access Control with Mechanical Reliability

Frogblue's frogTerminal is a decentralized, intelligent access solution that now sets new standards in robustness with its latest variant featuring a mechanical bell button. Developed in response to partner feedback, this version meets the demands of industrial environments while maintaining full smart functionality. Based on the open SIP standard, the frogTerminal integrates seamlessly into existing telephone systems and servers. Access is granted via RFID, PIN, or up to 3-factor authentication, with all events recorded in a video logbook. A high-resolution 8 MP camera with a 180° panoramic view ensures complete situational awareness. Designed for easy retrofitting, the frogTerminal can replace existing door stations—such as Mobotix or Siedle—without new cabling or structural changes. Ideal for modernization projects, it brings future-ready access control into the present with minimal effort.

Category D: Access Control & Intruder Alarm

DNAKE: AC02C – Access Control Terminal

The AC02C access control terminal is built for today's high-security environments—corporate offices, smart buildings, and high-traffic facilities. It supports six authentication methods: NFC, RFID (MIFARE), PIN, BLE, QR code, and mobile app, offering flexible, secure access. Temporary QR codes and remote access enhance visitor management. With MIFARE Plus and AES-128 encryption, it protects against cloning, replay attacks, and eavesdropping. Anti-tamper features include instant alerts and a local alarm with visual strobe. Its IK08 impact resistance and IP65 rating ensure durability in harsh conditions. Despite its robustness, the AC02C impresses with a sleek, ultra-slim design (137×50×27 mm) crafted from aluminum alloy and 2.5D tempered glass. It supports RS-485, Wiegand, and TCP/IP (PoE), and enables cloud-based management with real-time logs, OTA updates, and multi-site control. The AC02C merges advanced security, elegant design, and future-ready connectivity in one compact solution.



Category D: Access Control & Intruder Alarm

Salto Systems: XS4 Face – Face Recognition for Access Control

Requiring only the user's face as an access credential, XS4 Face bridges access control and face recognition technology. With XS4 Face, Salto is putting the user experience front and center for a faster, safer, more convenient, and private keyless door access experience. Each user gains access effortlessly through



a genuinely unique access credential – their face – eliminating the need for physical keys or keycards. This innovative technology both streamlines the access process and enhances security by removing the risk of lost or stolen credentials entirely. Salto XS4 Face is more than a security device. Simple to use and install, and leveraging Salto Space pioneering SVN access control solution, XS4 Face is the cutting edge of convenient, streamlined, and secure access. XS4 Face provides an intuitive face-recognition enrollment service, making onboarding users quick and easy – without the need to download an app.

Category E: Security Management, Building, Safety & Perimeter Protection

Bayoosoft	ISMS ISO 27001 Software
Bicker Elektronik	UPSI-2406IP-38AC – Outdoor AC/DC UPS for pole mounting
Commend International	Ivy Live Translation
Dallmeier electronic	Perimeter camera with specially trained AI – Panomera Perimeter
Hexagon	HxGN dC3 LidarVision
Kentix	Kentixone operating system for physical security
Prosegur Cash Services	Cash Today cash protection
Rohde & Schwarz Cybersecurity	QPS Walk2000 360° walk-through security scanner
Record Türautomation	SG Expression, Speedgate people separation system
Salto Systems	XS4 Com - All-in-one platform for door intercom systems
Schmeissner	Cx-1 capacitive field change detector
Security Robotics Development & Solutions	AMSR - Autonomous mobile security robots
tci	Secure touch panels for industry and buildings

Category E: Building Safety & Perimeter Protection

Rohde & Schwarz: QPS Walk2000 360° Walk-through Security Scanner

The QPS Walk2000 is a state-of-the-art 360° walk-through security scanner designed for high-security environments such as airports, power plants, banks, and major events. It enables fast, contactless screening while allowing individuals to pass through naturally, without removing clothing. Using advanced millimeter wave technology and AI-driven detection algorithms, it identifies a wide range of concealed items – metals, liquids, powders, plastics, and more – with high accuracy and minimal false alarms. Detected objects are displayed discreetly on an anonymous avatar, ensuring privacy and reducing manual checks. As the only walk-through scanner certified to ECAC 2.1 standards, it is already in use at Frankfurt Airport, enabling real-time screening “on the go.” The QPS Walk2000 is also deployed in critical infrastructure, customs, VIP events, and logistics centers, setting new standards for efficient, respectful, and future-ready security screening.

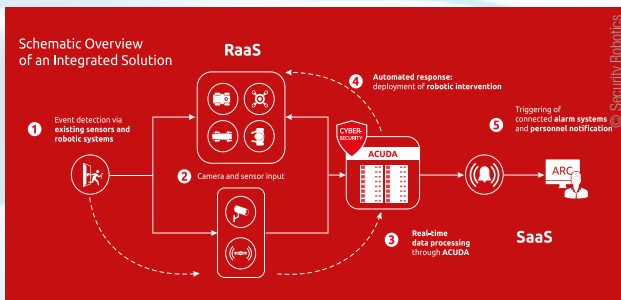
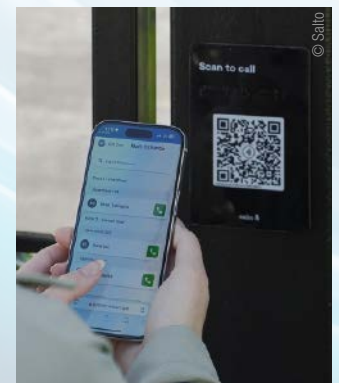


Shortlist Highlights

Category E: Building Safety & Perimeter Protection

Salto Systems: XS4 Com – All-in-one Door Intercom Platform

XS4 is an all-in-one door intercom platform to transform building access and communication by integrating a video door intercom system with the latest in access control. It is a user-friendly system that enables visitors to initiate communication with users by simply scanning a QR code or tapping their NFC-enabled phone on an iGO plate, featuring two-way audio and video verification for entry control. Users can then manage these interactions directly from their smartphones, with the ability to accept calls, visually verify visitors, and remotely grant access if necessary. This innovative technology does not rely on power or internet connection, solving complexity and cost issues from traditional intercom systems. With XS4 Com iGO technology and hardware-free solution, any building can turn a perimeter access point into a connected, yet decentralized, secure entry.



Category E: Building Safety & Perimeter Protection

Security Robotics: AMSR – Autonomous Mobile Security Robots

AMSR - Autonomous Mobile Security Robots is AI-powered autonomous object monitoring using video, sound and anomaly detection in conjunction with networked security systems. AMSR can efficiently inspect buildings and facilities and support security staff with repetitive and dangerous tasks, while connected, zero-emission solutions help reduce the carbon footprint while increasing service quality and reducing costs.

- Security Robotics is a software specialist for artificial intelligence (AI) and robotics. As a pioneer in the market, Security Robotics has developed a major technological advantage. Using its autonomous and intelligent security platform, Security Robotics controls and networks any number of actors (e.g. cameras, sensors, robots) and implements them in the existing infrastructure.

**GIT
SECURITY
AWARD
FINALISTS**

Now it's up to you!
Vote for the
next winners


www.security-award.com


© Bosch Building Technologies

Category F: Fire Protection

Bosch Building Technologies: NEXOSPACE Fire System Observer – 24/7 Cloud Observation

The Bosch Nexospace Fire System Observer brings fire alarm maintenance into the digital age. It continuously monitors Avenar 425 and 520 detectors via a secure cloud platform, using intelligent algorithms to detect anomalies before faults occur. This predictive maintenance approach increases system availability and safety. Only detectors showing irregularities require physical inspection, reducing the need for disruptive access measures like ceiling openings or lifting platforms. This is especially beneficial in sensitive environments such as clean rooms, hospitals, or hotels. The digital test complies with DIN VDE 0833-1 and is certified by VdS Schadenverhütung. Detector data is processed in a VdS-certified secure cloud infrastructure, ensuring both reliability and data protection. Nexospace enables efficient, targeted maintenance and sets a new benchmark for smart, preventive fire protection.

Category F: Fire Protection

Bosch Building Technologies	NEXOSPACE Fire System Observer – 24/7 Cloud Observation
Novar GmbH a Honeywell Company	IQ8Quad self-test detector
Telenot Electronic	hifire 4100 XS – Fire warning system
Wagner Group	Oxygen reduction system OxyReduct F-Line
Wichmann Brandschutzsysteme	Active fire prevention with VPSA technology

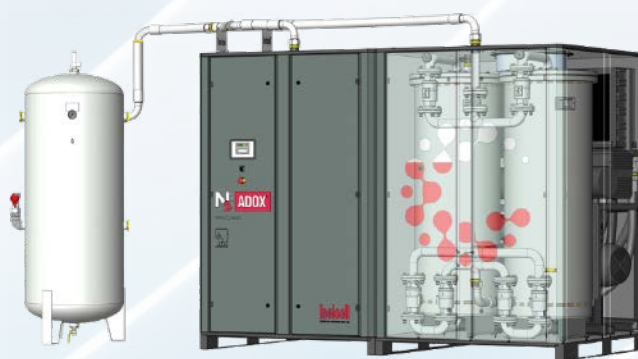


© Wagner

Category F: Fire Protection

Wagner: Oxygen Reduction System OxyReduct F-Line

Wagner's OxyReduct F-Line is a groundbreaking fire prevention system that actively reduces oxygen levels in protected areas by introducing nitrogen, preventing ignition under controlled conditions. The key innovation: integration of hydrogen-based fuel cell technology, enabling carbon-neutral, emission-free operation. The fuel cell generates nitrogen through electrochemical reactions while simultaneously producing electricity and heat, significantly boosting system efficiency. Even small amounts of hydrogen are sufficient. Designed for logistics centers, warehouses, cold storage, and high-bay facilities, the scalable F-Line suits new builds, retrofits, and compact installations. It can also be combined with other OxyReduct systems for hybrid protection. By merging proven fire prevention with sustainable energy supply, the OxyReduct F-Line sets new standards in environmentally responsible fire protection.



© Wichmann

Category F: Fire Protection

Wichmann: Zero Fire Risk with Active Oxygen Control

In sensitive areas like archives, data centers, or automated storage systems, conventional extinguishing methods often pose risks to data, operations, and safety. Wichmann's N2 ORS system offers a sustainable, preventative alternative by reducing oxygen levels to prevent fire ignition. Nitrogen is generated from ambient air using an electromechanical adsorption process and introduced into protected zones without environmental impact. The modular system includes eight VPSA generator sizes that can be flexibly combined and tailored to any building—from compact server rooms to large industrial halls. Three optical sensors per unit ensure precise, low-maintenance oxygen monitoring, significantly reducing operating costs. An integrated IoT interface enables real-time monitoring and data analysis, with optional integration of external systems. N2 ORS is the only fully integrated system of its kind, certified as a complete system in accordance with the Machinery Directive SIL 3 (Safety Integrity Level 3), based on the international standard IEC 61508.



ACCESS

Planet-Friendly from Birth

How Sustainability Inspires Innovation and Product Design

That humankind needs to reduce its emissions, preserve natural resources, and generally reduce its impact on the planet cannot be disputed, thanks to overwhelming scientific evidence that highlights the critical situation in which we now find ourselves. The solutions are well documented. In this article, Olympia Dolla, head of the sustainability program at Assa Abloy Opening Solutions EMEIA, shares how she and her team are embedding sustainability at the core of a global industry leader and why this approach is essential to fostering a customer-centric culture.

With a background as an environmental scientist, and with a Master's in Sustainable Development, Energy, and Materials, Olympia has long been passionate about renewable energy, product life cycle analysis, and a circular economy. Her journey began in Greece, where she completed her initial degree before pursuing her Master's in The Netherlands. An internship at TU Delft ignited her desire to collaborate with businesses to drive effective, sustainable innovation. This passion has guided her through roles in the chemical and construction industries, as well as sustainable R&D and policy roles. Eventually, it led her

to Assa Abloy Opening Solutions EMEIA (AAOSE) where she has been instrumental in advancing the company's sustainability agenda since joining in 2022. Throughout her career, Olympia has also maintained a presence within many influential organizations such as the ECO Platform, Construction Product Europe, and the World Green Building Council.

Olympia and her wider team have played a key role in driving an EMEIA Science Based Targets Initiative (SBTi) pathway towards net zero emissions by 2050. She has led a comprehensive Scope 3 strategy for the company, aligning sustainability

efforts across various parts of the organization such as in procurement, operations, innovation, and product design. The importance of sustainability is redefining how companies operate, from their supply chains to their product designs. At AAOSE, sustainability is not a box-ticking exercise; it is embedded as a core principle within the business. This mindset is transforming the company's approach to innovation, highlighting the strong connection between sustainability and innovation with the primary objective of delivering products and solutions that meet the evolving needs of customers.



Digital access solutions – mobile keys and energy-harvesting smart keys

Sustainability as a Catalyst for Innovation

Enforcing sustainability challenges businesses to rethink their conventional practices and to develop innovative ways to reduce their environmental impact. They can include using recycled materials in products, designing for durability, and ensuring that products can be reused or recycled at the end of their life cycle. These efforts not only reduce waste and minimize the overall carbon footprint of

our operations, but they drive innovative thinking. From discovering new materials to finding creative ways to reuse products and enhancing product quality, sustainability inspires continuous improvement. Throughout this journey, we must remain focused on meeting our customers' evolving needs, delivering solutions that align with their priorities and the planet's future.

A priority at AAOSE is empowering the engineering and design teams to incorporate carbon footprint considerations

into product development. By integrating circularity principles and designing products for easy disassembly and reuse, the company is actively shaping the future of sustainable innovation while minimizing waste. It is also focused on reducing the carbon footprint of its products. Since 2024, all new products developed within EMEA must achieve at least a 20% reduction in CO₂ emissions compared to their predecessors. This ambitious goal is being achieved

Please turn page ►

Organize your Security.

With our Software Solutions
AIM and **WinGuard**.

Get more info
about our
Solutions.



through the use of sustainable materials and innovative design practices, demonstrating the company's commitment to creating products that not only meet today's needs but also support a sustainable future.

Sustainable Products for the Future

Buildings account for around 30% of global energy consumption, according to the International Energy Agency (IEA). By addressing energy use at every stage of a building's life cycle, there is the opportunity to make a significant and immediate impact on global energy efficiency. Energy efficiency drives the development, design, and the manufacturing of the company's innovative solutions. From energy-harvesting technology to mobile keys and energy-efficient devices, the products enhance sustainability performance from the outset, while equipping building owners with the flexibility to adapt to future challenges.

Looking ahead, it is pushing the boundaries of innovation by further exploring advanced technologies such as energy harvesting, which captures energy generated by everyday actions. By integrating these capabilities into its Digital and Access Solutions (DAS) product range, AAOSE is demonstrating how sustainability can inspire groundbreaking advancements in access control.

Regulation as a Springboard for Innovation

The drive for sustainability extends beyond individual organizations: it requires industry-wide collaboration and a collective push toward higher standards. Compli-

ance with mandatory regulations should not be viewed as an encumbrance but as a springboard for innovation, encouraging companies to work smarter and faster. For example, through collaboration with key stakeholders on large-scale projects, AAOSE ensure that sustainability is not just a regulatory requirement but a value-add.

Environmental Product Declarations (EPDs) are crucial for the construction and related industries because they provide transparent, standardized, and measurable information about a product's environmental impact across its life cycle. This in turn drives more informed decision-making. EPDs support sustainable building and construction practices because they are aligned with frameworks such as LEED, BREEAM, and other green certification programs. By the end of 2024, AAOSE had 24 active EPDs published within EMEIA, with more set to follow in 2025. This is just the beginning of the company's commitment to driving greater transparency and sustainability in the industry.

Sustainability at the Heart of Operations

AAOSE's commitment to sustainability extends beyond its products and encompasses every aspect of its operations. It prioritizes energy optimization by implementing solutions such as photovoltaic panels and lean manufacturing practices. A shining example of this commitment is the Rychnov factory, which has achieved remarkable improvements in energy efficiency. Covering more than 17,000 square meters, it requires substantial amounts

of energy to support its heavy machinery, galvanic lines, and the operational needs of its office buildings and warehouses. To address this, AAOSE have integrated a series of digitization initiatives as part of its 'smart factory' program, which supports the Science Based Targets.

HVAC Plus

One project at Rychnov was the implementation of an advanced energy monitoring system. This innovative tool tracks energy usage and identifies areas for improvement. The process involved installing sensors and devices to measure key variables such as temperature, light intensity, and the consumption of electricity, gas, compressed air, and water. This data provided precise insights into the energy demands of each machine, process, and assembly line, enabling AAOSE to make data-driven decisions and to optimize operations.

The results have been transformative: autonomous systems now adjust lighting intensity based on natural light, while heating and ventilation systems activate only when specific temperature thresholds are met. By aligning compressed air production with actual demand, production efficiency has been increased by an impressive 10.6%. These advancements underscore the power of data-driven strategies in reducing energy consumption, minimizing waste, and integrating sustainability into operations. **GIT**



Assa Abloy Opening Solutions EMEIA
www.assaabloy.com

© Assa Abloy



IO Module for More Connectivity in Fire Safety Solutions

Bosch Building Technologies has launched the Avenar 4000 series IO (input/output) module, a new range of interface modules designed to elevate the efficiency and adaptability of fire safety systems. The launch debuts with the FLM-430-I2M1, a smart interface module engineered to enhance connectivity and control across multiple applications. It is fully compatible with the Avenar fire detector 4000 series. Connecting fire alarm systems to various building applications such as fire dampers, signaling devices, and fire doors, the interface modules offer diagnostic features, enabling safety managers to monitor and evaluate how well the system is working throughout the entire building. Unlike traditional single-use modules, Avenar IO modules can be integrated into multiple fire safety functions. Configurable software ensures compatibility with specific application requirements, and the modules include a fail-safe option, enabling safety measures in case of power or communication failures.

www.boschbuildingtechnologies.com

ACCESS

Securing Stories

Rubinstein B.V. Writes a New Chapter in Door Management with Uhlmann & Zacher

The electronic locking systems by Uhlmann & Zacher are not only suitable for big industrial plants, universities or airports. Also smaller objects can be perfectly fitted with a digital system. The company Rubinstein in the Netherlands did so.

■ The publishing company Rubinstein B.V. is situated in the heart of Amsterdam. They publish both books and audiobooks for adults and children and also produce their own audiobooks for children. The company is involved in film and theater productions, too.

They use the system Clex private mobile for three doors in total. There are Electronic

Door Handles Outdoor in use. One Electronic Door Handle is used in the entrance door of the owner's house, Mr. Rubinstein. One Door Handle is for his garage and one for his office.

With Clex private mobile, users of the system can manage their electronic locking units, for example electronic door handles and cylinders, as well as open and close

them. In the process, the smartphone communicates with the locking units via Bluetooth® Low Energy. Alternatively, opening and closing is also possible using RFID transponder. In addition to private homes and smaller offices, the system is also ideal for doctor's offices and law firms.

The management is easy and convenient using the Keyng App. The smart navigation guides the managing person through the app and always provides a clear overview of all the transponders and smartphones. Functions such as disassembly, battery replacement or service opening are also possible in the app. It is easily possible to manage access to different kind of doors.

The end users use the Clex Key App to open and close the electronic locking units. Thereby the smartphone does not have to be connected to the internet. This is advantageous, for example, for doors in underground car parks or similar environments.

About 20 persons have permission to the office door. The employees use a transponder fob or a transponder card. The managing director, Mr. Rubinstein, uses the app to open and close the door. One of his employees manages the locking system via his smartphone. With the system Clex private mobile, he can easily grant and revoke user authorizations.

Another reason was important to Mr. Rubinstein: Due to his multiple sclerosis, using a mechanical key was becoming increasingly difficult for him. The use of the digital transponder was a great facilitation. Mr. Rubinstein with regard to the electronic locking system: „We are very happy with the locking system, because it makes the door management a lot easier.“ **GIT**

The Rubinstein Publishing company in Amsterdam, Netherlands



ACCESS

Securing Airports

A Conversation with Optex's Johannes Faber

As airports worldwide confront mounting security challenges—from increasingly sophisticated intruders to the complexities of large-scale perimeters, innovative technology has become more critical than ever. GIT SECURITY International spoke with Johannes Faber, Sales Manager for the DACH Region at Optex, about how advanced sensing solutions, Lidar technology, and smart system integration are helping airports reduce false alarms, ensure rapid response, and adapt to an ever-evolving threat landscape.



© Optex EMEA Security

■ GIT SECURITY: Mr. Faber, you've been working as Optex's Regional Sales Manager – DACH for almost four years – how are the challenges facing the aviation industry changing?

Johannes Faber: The aviation industry is regaining a sense of normality following the significant challenges brought about by the COVID-19 pandemic. As passenger numbers, flights and freight soar, airports have

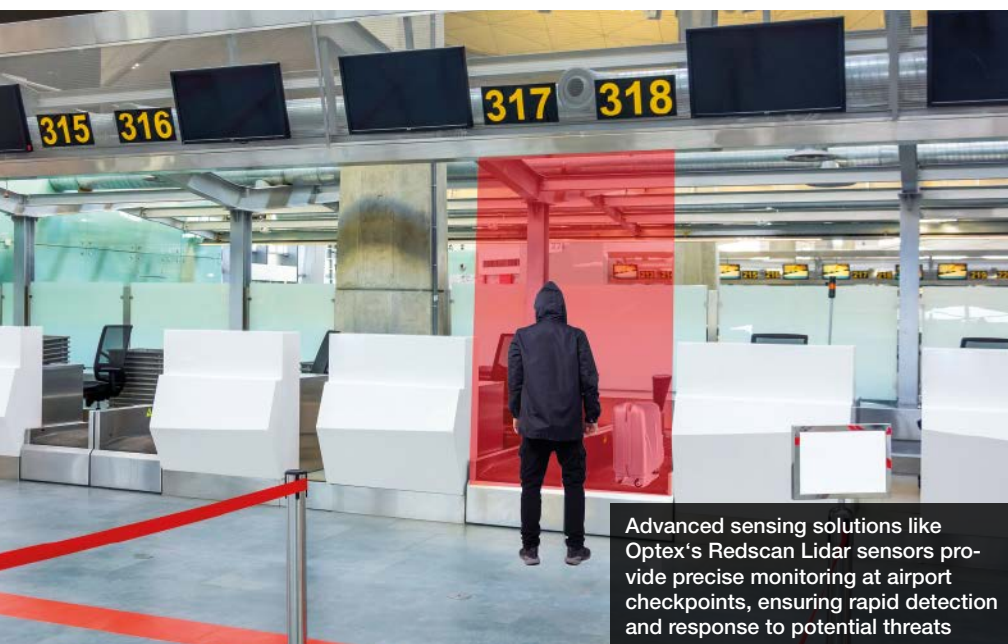
once again become busy, bustling places, which helps fuel national economies and the profitability of the industry.

And while this outlook is positive, rising passenger numbers combined with staffing issues across the industry, constant security threats – with a number of recent high-profile incidents across Europe, the Middle East and Africa (EMEA) and beyond – airport security continues to become more and more complex. With ever-evolving

threats and challenges, there is an increasing need for more advanced technologies and solutions to maintain stringent security standards.

Airports face a range of unique and varied challenges, and this is something that will only continue to evolve with the development of new technologies and artificial intelligence. In recent years, we've seen a rise in activists and protestors intentionally, and blatantly, breaking perimeter lines and entering unauthorized areas with the sole intent of blocking or disrupting air traffic. Equally, there is also a growing level of sophistication and coordination amongst intruders, meticulously planning their route to smuggle contraband or prohibited items in or out of the country, enter/exit a country illegally or even commit acts of terrorism.

Airports typically have large, and often complex, perimeters stretching for several kilometres. This scale makes it extremely difficult to ensure continuous, blind-spot-free surveillance using 'traditional' security methods, like fences and cameras, alone. Building a reliable security system requires combining multiple detection technologies that can distinguish genuine alarms and accurately identify the location of the intrusion. Technologies that allow seamless integration with video management systems (VMS), IP cameras, and access control further enhance the security system,



Advanced sensing solutions like Optex's Redscan Lidar sensors provide precise monitoring at airport checkpoints, ensuring rapid detection and response to potential threats

enabling real-time monitoring that help ensure a faster response to alerts, as well as distinguishing between real threats and false triggers.

When it comes to designing and creating a comprehensive, fully integrated security system, it's important to consider the specific needs of each airport, there is not a one-size-fits-all solution and a combination of different systems and technologies is required.

Given the unique challenges airports face in monitoring extensive and complex perimeters, what solutions does Optex offer to minimize false alarms and ensure rapid response to threats?

Johannes Faber: As critical infrastructure, addressing the unique challenges faced by airports requires a combination of advanced sensing technologies, layered security strategies, and flexible, site-specific solutions to deliver reliable, cost-effective protection.

Effective security starts at the airport perimeter. Fibre optic cable or fence detection systems can be installed to enhance security. Optex's EchoPoint Distributed Acoustic Sensors, part of our leading FiberSensys portfolio, are particularly well suited for protection of large perimeters, with the ability to provide point detection of +/- 6m in a range of up to 100km. The versatility of the system's installation options – including fence-mounted, underground, and hybrid installations – provide the flexibility needed to address varying security requirements across different sections of an airport's perimeter. This adaptability has proved particularly valuable in areas, such as gates, where the system can't be fence mounted, or in areas where traditional security measures would have been impractical or cost-prohibitive due to large civil engineering works.

In addition to fibre optic systems, the versatility of Optex's Lidar technology is such that it is being utilised in a variety of applications to perform multiple functions that go beyond perimeter protection. Lidar works by creating an invisible laser wall and provides accurate, ultra-fast detection of an object's size and location, ensuring nothing gets past. It is being used to protect vulnerable areas within the airport, including checkpoints, where Redscan Lidar sensors have been installed to provide precise monitoring and can alert of any intruders attempting to access the facility via unsupervised luggage checkpoints. The sensors are also being deployed within critical areas of the airport, including roofs and false ceilings around control rooms and server facilities, to enhance the protection



Optex's EchoPoint Distributed Acoustic Sensors enhance perimeter security, offering reliable detection and protection across extensive airport fences

of high-value assets. The technology's ability to work in complete darkness and distinguish between genuine and non-genuine threats has already helped to dramatically reduce false alarms.

Both our Lidar and fibre-based technologies provide enhanced environmental resistance, meaning their performance is not affected by changing and challenging conditions.

Our solutions can be tailored to specific airport zones and to address evolving security risks, including anti-tailgating sensors for staff-only areas, intrusion detection in the baggage claim areas, security checkpoints and boarding gates with laser sensor, as well as implementing specialised detection systems for aircraft hangars and fuel storage areas. These highly targeted applications help prevent unauthorized access and ensure comprehensive coverage across the entire airport.

How does Optex tailor its detection solutions to address these specific risks?

Johannes Faber: Optex tailors its detection solutions through a combination of advanced technologies and algorithms, flexible configuration and multi-layered integration within the wider security system.

To enhance detection and enable a faster response across the entire airport perimeter, a number of Optex's sensors and detectors provide the ability to create multiple customisable detection zones. Our Redscan Pro and Redscan mini-Pro Lidar sensors, for instance, allow the creation of up to eight independent zones with the ability to configure the sensitivity, target size and output within each zone. This enables security teams to adapt detection parameters to the unique risk profile of each area, such

as distinguishing between small animals, humans, or prioritising high-risk zones for faster response. The ability to set different thresholds for each zone minimizes nuisance alarms and ensures that alerts are relevant to the specific threat level and operational context.

Our technologies and solutions are intentionally designed to operate reliably in all environments and terrains, ensuring consistent detection performance regardless of the weather conditions, lighting or environmental changes.

Redscan Pro and mini-Pro sensors are Onvif Profile S compliant and fully integrable with all leading security management platforms. This allows for features like automatic target path fusion, which merges multiple sensor detections into a single, actionable alert, reducing information overload and enabling security teams to focus on genuine threats. Integrated camera modules in sensors like the Redscan mini-Pro provide visual verification and event logs, supporting rapid post-event analysis and fine-tuning of detection parameters.

Looking ahead, what innovations can we expect?

Johannes Faber: Our focus remains on continuous innovations that solve the problems of our customers. We are currently exploring and developing new technologies and solutions within our portfolio, with a focus on smart security, including our latest innovation in fence perimeter security and further evolving our award-winning Redscan Lidar series. **GIT**



Optex Security B.V.
www.optex-europe.com

ACCESS

Fitness on Your Terms

Dom's Tapkey Technology making the Private and Secure Gym Come True

PT Pods is on a mission to revolutionise personal fitness across the UK, offering a unique solution that doesn't require you to go to a traditional gym or work out at home. The brainchild of entrepreneur Mike Mair, PT Pods began as a small backyard gym during the pandemic. Observing how this private, tailored space boosted confidence and eliminated distractions, Mike envisioned a network of secure, private training spaces anyone can exercise with confidence and ease.

PT Pods Westfield Shepherd's Bush in London offers private, bookable gyms with Dom's Tapkey technology, redefining convenience in personal training

At the heart of this innovative concept lies the freedom of mobile access. With the PT Pods app, users can locate their nearest pod, book a convenient time slot, and gain entry with just their smartphone. Key-fumbling and reception-desk queues are a thing of the past. The privacy and simplicity of the pod empowers users to exercise on their own terms, free from the constraints of traditional gyms.

Technology for Inclusive Fitness

Key to this liberating experience is Dom's Tapkey technology, which redefines the relationship between user and fitness space. Tapkey's Web API and Mobile SDK enable the PT Pods app to interact flawlessly with the Guard Digital Handles installed on each pod. This integration transforms a smartphone tap into a gateway to personalised fitness. "Mobile access is at the heart of our business; without it, our business model wouldn't work," explains Mike Mair, founder of PT Pods.

The Guard handles not only offer a sleek aesthetic and durable security, their smart credentials are an integral part of the PT Pods experience. For fitness users, they're a clever handle, but for the business, they're a valuable tool that provides automated booking functionality and tracking of user-device behaviour. The system uses Bluetooth Low Energy technology to communicate securely between smartphones and the door handles, while the Dom Tapkey cloud-based platform allows for real-time access management.

Alexandre Ballet, Product Manager for Tapkey, adds, "Our technology enables businesses like PT Pods to manage access rights flexibly, providing a scalable solution for innovative fitness concepts."

Installed with the help of Dom Keystone partner G. Worrall Locksmiths, the handlesets are an example of how innovative security solutions can bring ambitious ideas to life.





Using the app's Tapkey integration makes it possible to have a private gym experience



A fully equipped pod with curated workouts on-screen, designed for focused sessions free from crowded gym distractions

Access to Business Opportunities

The Dom Tapkey technology offers a step change for gym owners and other businesses with gated access. By reducing the need for on-site staff to manage access, it can significantly reduce operating costs and enable smarter planning and resource allocation. Enhanced security further reduces risk, creating a safe and reliable environment for all users.

The convenience of the business model extends beyond that of individual fitness enthusiasts. PT Pods are increasingly being leased to corporates and business parks as part of wider employee wellbeing and retention strategies. With their ability to be

installed overnight in unused spaces and without major upfront investment, PT Pods offer an appealing and secure solution for companies seeking to enhance their workplace amenities.

This is more than a story about fitness innovation; it is a glimpse into the future of intelligent access systems. Just as contactless payments and digital streaming have become indispensable, Tapkey's integration with PT Pods represents how mobile-first solutions are reshaping industries. It addresses long-standing barriers in the fitness sector – privacy, inclusivity and convenience – with a user-focused approach. Owen Boothby, Head of Sales & Marketing at Dom-UK, comments,

„The scalability of our system means it can be adapted for various applications beyond fitness. We're excited to see how innovators like PT Pods use our technology to create new user experiences.“ **GIT**

For further information about DOM Security solutions, please contact Thomas Grainger, DOM-UK Marketing Manager thomas.grainger@dom-uk.co.uk



Dom Security
www.dom-security.com

© Images: PT Pods

Light + Building 2026: Shaping the Future of Building Security

From 8–13 March 2026 in Frankfurt am Main, Light + Building will spotlight video technology and smart security solutions. The Intersec Building section will showcase innovations in fire protection, access control, and intelligent surveillance, with a strong focus on digital infrastructure and integrated systems for smart buildings. The motto is 'Be Electrified – Electrifying Places. Illuminating Spaces', focusing on the two major core areas of lighting and building services technology. Electrifying Places refers to the constant development and connectivity of urban spaces and the need to efficiently electrify buildings and supply them with electricity in a sustainable way. Illuminating Spaces focuses on the design aspects of lighting technology. Design, material and styling combine harmoniously with architecture and surroundings and characterise the emotional experience of a space. www.messefrankfurt.com/frankfurt/en

www.GIT-SECURITY.com



www.slat.com/en

SLAT
for safer buildings

PERIMETER PROTECTION

Smart Eyes

Interview with Industry Expert Karlheinz Biersack

In this interview Karlheinz Biersack, Director Business Development Airport at Dallmeier electronic, talks about the current security and efficiency challenges facing airports. He discusses topics such as cybersecurity, perimeter protection, remote tower solutions, and intelligent video analysis, as well as how Dallmeier technologies help to reconcile security and efficiency.



■ GIT SECURITY: Where do you see the applications of Dallmeier video technology at airports?

Karlheinz Biersack: Our camera technology is used in a variety of scenarios at airports. These include monitoring large car parks and terminal zones, as well as providing surveillance of the apron and runway and protecting the airfield perimeter against intruders. Our systems have also proven themselves in remote tower solutions.

What role does cybersecurity play for airport operators?

Karlheinz Biersack: The current global political situation has made cybersecurity a very important consideration for customers. As a German developer and manufacturer, we meet not only the European requirements of the GDPR and NIS-2, but also the strict requirements of the American NDAA. The NDAA includes provisions for supply chain control and ethical issues, such as a ban on child labour and exploitation.

To offer our customers the highest possible level of security, we have our products tested by white hackers, taking their comments and recommendations into account during software development.

What are the challenges in protecting the airfield and perimeter areas?

Karlheinz Biersack: Climate activists have highlighted the vulnerability of the security systems and solutions currently in place to protect airports' entire airfields. Fences and

patrols alone are no longer enough to prevent the significant damage caused by vandalism and flight cancellations. In response, Dallmeier has developed the Panomera Perimeter, which uses specialised AI to provide optimum perimeter protection.

In collaboration with radar manufacturer Navtech, we also offer an integrated solution that can efficiently monitor the entire airfield, providing security forces with video information for verification and operational control immediately.

ing smooth ground service operations. However, these processes do not always run flawlessly. As part of airport expansion plans, satellite terminals are often constructed. To avoid the need for building and staffing a separate apron tower at the satellite terminal, airports are increasingly turning to virtual airport solutions. In this context, Dallmeier's unique Panomera multifocal sensor technology stands out, as it enables the coverage of vast areas in high image quality.



In February of this year, we organised and held the "Airside Security Event" in Bangkok with Navtech. The presentations were recorded and are available to interested parties on our website.

How can video technology contribute to the optimisation of ground services?

Karlheinz Biersack: Apron management is responsible, among other things, for ensur-

Could you please explain this multifocal sensor technology in more detail?

Karlheinz Biersack: With our special Panomera multifocal sensor technology, we can cover huge areas with just a few cameras. The small number of camera systems avoids a lot of hassle when planning and approving installation positions. In my experience, it can sometimes be difficult to obtain authorisations from various departments for



installation points and the necessary infrastructure, such as power supplies, network connections and switch ports. The fewer you need, the fewer problems you have...

Cost is another important factor, as lower infrastructure and installation costs, reduced

maintenance requirements and much more efficient operation clearly demonstrate the cost benefits of Panomera technology.

Can you provide any concrete examples of practical applications?

Karlheinz Biersack: Copenhagen Airport, for instance, opted for Dallmeier's Panomera technology following a proof of concept (PoC). We can cover the entire apron area with just 18 cameras! During my visit to the Airside Coordination Centre in Copenhagen, the apron managers told me that the image quality was so good that they sometimes felt as if they were standing right next to the aircraft.

This video information is also made available to other departments and ground service providers to help ensure that services run as smoothly as possible. Additionally, our camera technology can be used by turnaround management software providers, such as Assaia. The video images show the tail area of the aircraft, providing turnaround analytics with an additional angle of view that is not obstructed by large refueling or catering vehicles. This ensures even more precise turnaround analytics results.

What additional benefits does your video technology offer other airport departments?

Karlheinz Biersack: Dallmeier offers apron managers, de-icing managers, air traffic

Please turn page ►



**PROTECTION.
EXACTLY WHERE
IT IS NEEDED.**

Highly precise detection and surveillance with REDSCAN mini-Pro

The new REDSCAN mini-Pro sensor series provides highly accurate and reliable short-range detection of intruders and moving objects within a 20m x 20m range. Providing an extra layer of security intelligence, the REDSCAN mini-Pro features an integrated infrared camera for instant verification, while simultaneously recording and saving images for post-event analysis. Designed to work in both indoor and outdoor environments, the sensors can be mounted horizontally to protect roofs and skylights and vertically to create virtual detection walls to protect narrow spaces and high-value assets.



www.optex-europe.com

ONVIF® | S
ONVIF is a trademark of Onvif, Inc.

INTRUSION DETECTION | VISUAL VERIFICATION
TAILGATING DETECTION | VEHICLE DETECTION
PEOPLE COUNTING

WILEY

Read What Is of Interest



controllers and operations managers the integration of flight data (tail number, call sign, flight number and other information) directly into the video stream. This gives all users better situational awareness and access to more information from a single source.

Users do not need to look at separate radar or airport management system monitors. Even in poor visibility conditions, the position of the aircraft and associated flight data are visible in the video. An increasing number of airports are utilising flight data integration to achieve more efficient management.

Panomera technology also supports security checks. How does it work?

Karlheinz Biersack: Sometimes, passengers who have already completed the security check need to be checked again because doubts have arisen during the scanning process. In addition to the video footage itself, our cameras also provide metadata and searchable attributes that can be accessed in a matter of seconds – even across multiple cameras. This means that someone who has already left the security check area can be located and subjected to a further check in just a few seconds.

What role does video technology play in optimising the passenger experience?

Karlheinz Biersack: It is becoming increasingly important for airport management to enhance passenger experience. The time taken for check-in, security checks and passport control should be minimised – not least to allow passengers more time for shopping and relaxation.

In addition to high-quality video sequences, our camera technology provides information such as people counting data, waiting time data and information on crowd sizes. This enables airport management to adapt and optimise processes as required. Our cameras therefore offer airports a dual benefit: they provide this data alongside video images. Thus, airports save on the purchase of separate people counting sensors, which usually cannot provide usable video information for security purposes. Thanks to optimised AI analytics, we can now also provide this information via the cameras.

To what extent does your technology support the monitoring of runways, taxiways and aprons?

Karlheinz Biersack: An increasing number of airport departments are using video information to help them achieve efficient

and secure operations. Air traffic controllers, apron managers and ground service providers all use video information to this end.

In times of cost pressure and limited personnel resources, you have developed a special remote tower solution. What does it involve?

Karlheinz Biersack: In collaboration with our technology partner, Triac GmbH, we have developed an attractive, flexible, affordable and approved remote tower solution that has been in successful use in Germany since November 2023.

Regional airports, in particular, are under enormous cost pressure and struggle to recruit and retain air traffic controllers in the long term. The fluctuation of air traffic controllers leads to recurring training costs, which can quickly amount to €200,000 per person. Triac's remote tower solution enables air traffic controllers to manage flight operations remotely, creating synergies and increasing efficiency by allowing one air traffic controller to handle the flights of several regional airports.

Triac offers air traffic controllers the option of free seating, meaning they can work at practically any connected airport or in one of the two control centres. This is convenient for air traffic controllers and their families, as they do not have to live and work in a remote location, and controllers are free to choose their workplace.

The more airports that are connected to the remote tower concept, the more efficiently air traffic controllers' shifts can be organised. Our partner, Triac GmbH, will be happy to advise you on how you can utilise these advantages, too. Dallmeier's technical features, such as flight data integration, automated aircraft tracking, and runway incursion mitigation analytics, also support air traffic controllers in their work.

Dallmeier is successful with its airport solutions around the globe...

Karlheinz Biersack: That's right. We offer a wide range of solutions, and we can also meet the specific requirements of airport customers by drawing on our extensive experience and collaborating with our technology partners. Among our satisfied customers are airports such as Bristol (UK), St. Louis Lambert (USA), Milan Linate and Naples (Italy), Copenhagen (Denmark), Istanbul (Turkey), Bangkok (Thailand). **GIT**

To subscribe to the magazine **inspect – World of Vision** simply contact WileyGIT@vuserice.de or register to the newsletter at www.wileyindustrynews.com/en/newsletter-order. And if you chose the e-paper option you do something good for the environment right away.

inspect

www.WileyIndustryNews.com/en



Dallmeier electronic GmbH & Co.KG
www.dallmeier.com

www.GIT-SECURITY.com

Prosegur's armored cash transport vehicles are a common sight in many cities



Michael Leppler, Head of Sales & Marketing at Prosegur Cash Services Germany

CASH SERVICES

Cash Tomorrow?

Prosegur's Commitment to Cash Management and Security

Remember the recent power outage in Spain? Digital payments were suddenly disrupted, affecting ATMs and POS terminals, and forcing many businesses to switch to cash-only transactions. This led to a surge in demand for cash, but ATMs quickly ran out and couldn't be replenished. Online banking and mobile payment apps were also inaccessible, preventing digital transfers. GIT SECURITY spoke with Michael Leppler, Head of Sales & Marketing at Prosegur Cash Services Germany, to learn about the social importance of safeguarding a multitude of payment options and Prosegur's global role in securing valuable assets.

— GIT SECURITY: Mr. Leppler, as Head of Sales & Marketing at Prosegur Germany, you carry extensive responsibilities. Could you briefly explain your professional background and current role at Prosegur?

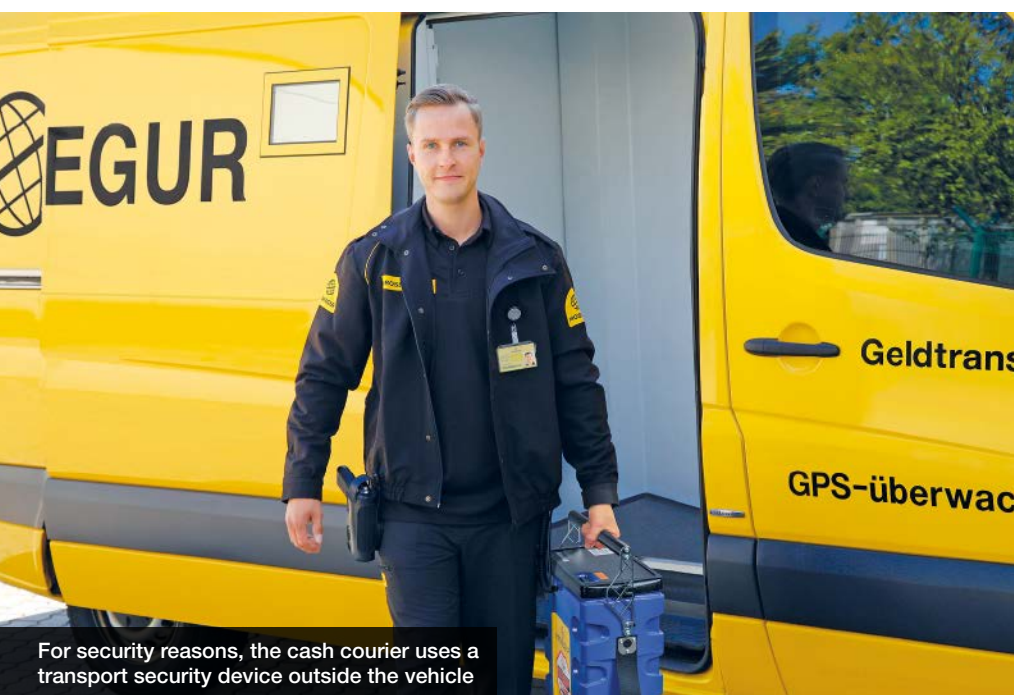
Michael Leppler: As a logistics professional, I have been in a leadership role at Prosegur for 16 years. During this time, I have over-

seen the company's market entry in Germany in 2011, the integration of additional cash and valuables service providers, and the associated market consolidation.

Prosegur is globally known as one of the leading security service providers. What services does Prosegur offer worldwide, and how do you serve the German market?

Michael Leppler: Prosegur operates in 36 countries across five continents with six different business areas. The Prosegur Security division, for example, offers solutions related to security technology and guarding. Colleagues from the Cipher division provide cybersecurity services, to name just a few examples. In Germany, Prosegur is active in the Cash division. We offer solu-

Please turn page ►



For security reasons, the cash courier uses a transport security device outside the vehicle

tions for all areas where cash and other physical or digital assets are in circulation. This includes collecting cash revenues from our retail customers, crediting them to the bank account, and supplying fresh change. For bank customers, we fill ATMs and ensure that self-service devices function smoothly. With a 55% market share, we are the market leader in Germany and operate a nationwide network of locations as the only provider. We cover the entire country with our own resources, without the use of subcontractors. In this respect, Prosegur is significantly responsible for ensuring the German population's access

to cash and the liquidity of businesses. We take this responsibility very seriously.

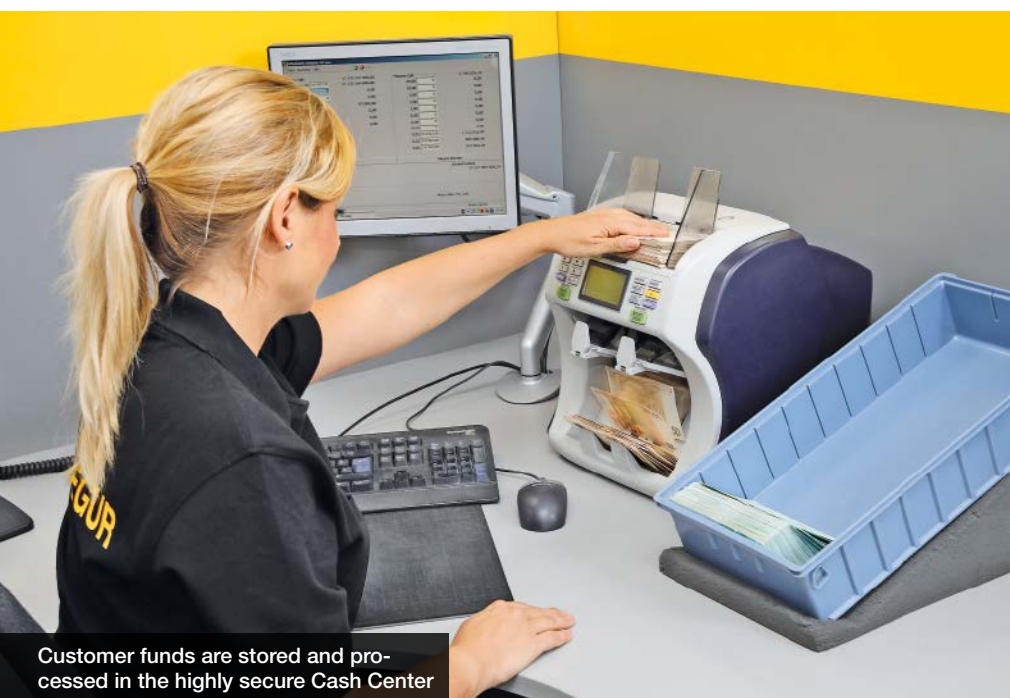
The core business of Prosegur Germany consists of CIT (Cash In Transit) and comprehensive management of the associated processes. Physical cash transport is a central part of this and involves certain risks. What role does security play, and what measures and products do you use to ensure a secure process chain?

Michael Leppler: Where cash is transported, risk is involved. Therefore, no

company with cash flow should send its employees to the bank themselves. This is mandated by the legal duty of care that every employer has for their employees. Companies specializing in cash transport, like Prosegur, minimize risks and increase security for everyone through a mix of measures and standardized processes. The industry has set strict rules for itself with the security regulations of the Federal Association of German Cash and Valuables Services and DIN 77210. These start with recruiting: All employees in cash transport must have a clean record and be trained in the security industry according to § 34a GewO. Cash transport always takes place with at least two armed employees in an armored and GPS-monitored cash transporter. Transport security devices are used for the footpath between the vehicle and the customer company. Security precautions do not end with transport. Even in the cash centers, where the collected or to be delivered cash is managed and processed, strict measures must be followed. These range from structural requirements of the building to seamless video surveillance.

The German economy has undergone significant changes in the past five years, especially due to the pandemic and increased investment in digital technologies. What challenges have you experienced during this time, and what product optimizations have resulted from them?

Michael Leppler: Like the entire society, Prosegur was in exceptional circumstances during the pandemic. Although we were not affected by official closure orders as part of critical infrastructure, many of our customers were. The associated drop in orders was unprecedented. Additionally, the cash transport process is closely coordinated between us and our partners. If cash collection cannot take place, as seen during the pandemic, liquidity bottlenecks threaten the client because cash is not converted into book money. Many companies realized during the pandemic that they need to make their business models and processes more resilient. Digitalization is an important factor here. Even a tangible tool like cash can be digitized. Not only since the pandemic, we have been offering our customers intelligent deposit devices for their cash under the name Cash Today. In addition to numerous advantages for internal cash handling, such as eliminating manual counting, a smart safe offers more resilience compared to a conventional safe: Cash revenues are not only well protected against theft and robbery but can also be credited to the bank account early through



Customer funds are stored and processed in the highly secure Cash Center

their digital connection, even if the cash has not yet been collected.

The digital transformation of business models is currently a top priority for all companies. Last year, the Deutsche Bundesbank published a study on the future of cash, fitting into this discourse. What significance does the use of cash have in our society with a view to the future?

Michael Leppler: Cash is and will remain an important component in the mix of payment methods, I am convinced of that. Every payment method has its justification, whether for the individual person or just for the individual situation. At Prosegur, we are committed to ensuring that the freedom of choice between payment methods is preserved, as it is an expression of the personal freedom of every citizen. Therefore, as a company, we work tirelessly to make the product cash, which is not the core business for our customers, as attractive as possible. As a society, we must ensure that an efficient cash infrastructure is maintained. As consumers, we influence this by not accepting it if we are refused to pay with cash. Because cash is the only legal tender.

Banks tend to strive for a cashless economy. In which areas does coin money still play an important role?

Michael Leppler: Indeed, for credit institutions, cash, especially coin money, is no longer the focus. This environment includes initiatives such as the abolition of one- and two-cent coins by the National Cash Forum founded by the Bundesbank. For cash payments, the amount is to be rounded up or down to the next five-cent amount, as is



With the help of an intelligent deposit device, Cash Today, cash is digitized and in-house cash management is automated

already practiced in the Netherlands or Finland. This can be discussed. The fact is: large quantities of coins are still in circulation, which are needed especially as change. Prosegur alone delivers roughly 5.3 billion coins annually to its customers in Germany. This corresponds to a weight of 25,000 tons. Prosegur can cushion the withdrawal of banks from the coin money issue.

With which projects is Prosegur shaping the transaction world of the future?

Michael Leppler: One focus is on the previously described intelligent and digitally connected devices Cash Today. These are available in two variants: as a smart safe for securely storing cash revenues and as a

cash payment machine at the point of sale. At such a device, customers can pay with cash themselves without the cash personnel coming into contact with it. We particularly want to expand this variant and add cashless payment methods. Our goal is to represent a 360° payment solution. In addition, Prosegur is already working on a crypto business area that will provide a comprehensive solution for the storage and management of digital assets. Furthermore, artificial intelligence will play an increasingly important role in our business processes. As a market leader, we aim to actively shape the market. **GIT**



Prosegur Cash Services Germany GmbH
<https://www.prosegur.de>

© Images: Prosegur Cash Services Germany GmbH

Elegant and Powerful Digital Access Control

The Aperio H100 from Assa Abloy packs the security and convenience of digital access into an award-winning wireless door handle. Now, to meet demand from the architecture, design and construction sectors, the H100 is also available in black. The model is already deployed in design-forward settings across Europe, including H-Farm's innovation campuses in northern Italy. The H100's new black design adds appeal for designers who want to equip workspaces and other contemporary interiors with a stylish, powerful digital access solution. It was named Winner at the Iconic Awards: Innovative Interior. With easy retrofitting to almost any interior door, broad RFID and mobile access compatibility, and reliable performance in diverse settings, the H100 makes extending control easy. It integrates seamlessly with a vast and growing range of third-party access and security systems. **www.assaabloy.com**



The Tricky Batteries

Widespread Use of Modern Battery Technology and the Inherent Fire Risks

SPECIAL
FOCUS



Common language usage does not distinguish between one-time batteries and rechargeable accumulators, calling them both just 'batteries'. While this has caused a number of domestic non-rechargeable cells to explosively splatter their carbon cores and gel because someone has not read the small print on the side and tried to recharge them, even the common lithium-ion (Li-ion) or nickel-cadmium (NiCad) rechargeable types can sometimes leak or even catch fire when incorrectly charged or physically damaged. A small fire can be contained by dropping the device into water and standing well back to avoid inhaling poisonous fumes, if it is discovered early enough. A stack of cells or a large pile of rechargeable batteries in a warehouse, however, presents an entirely different problem. Once one cell has caught fire, it will quickly overheat adjacent cells and cause an almost logarithmic growth of the conflagration – the dreaded runaway effect.

Latent Power

Batteries for vehicles by design must have a high energy-density and be able to rapidly provide a high current. They must be able to be recharged quickly too, which is why manufacturers of car batteries are predominantly using lithium-iron-phosphate, nickel-cobalt-aluminum, or nickel-cobalt-magnesium chemistry in their products. Fire brigades have a significant problem when these catch fire because the batteries are mounted underneath the vehicle and they cannot be extinguished with conventional mobile fire-fighting equipment. They are dealing with an exothermic chemical chain reaction that is unaffected by most foam extinguishants, and really can take days to become inactive. The ever-present danger is that a damaged battery will re-ignite even after apparently having been extinguished.

Mobile baths have been introduced to drop a whole electric car into and cool down the battery, a highly effective method of suppressing the reaction, stopping the fire from getting completely out of control, and transporting the vehicle away to a safe place. There are also car-sized fireproof container hoods available that can be dropped ... sorry, lowered by crane over a vehicle. Alternatively, a multi-faceted approach using fire blankets, aerosols and a fine water spray is offered by T-Iss from the Netherlands with their Fire Isolator concept.

Mobile baths have been introduced to drop a whole electric car into and cool down the battery, a highly effective method of suppressing the reaction, stopping the fire from getting completely out of control, and transporting the vehicle away to a safe place. There are also car-sized fireproof container hoods available that can be dropped ... sorry, lowered by crane over a vehicle. Alternatively, a multi-faceted approach using fire blankets, aerosols and a fine water spray is offered by T-Iss from the Netherlands with their Fire Isolator concept.

Cool Solution

So how do you put out a battery fire? CO₂, powder or foam extinguishers will only have a limited effect and will probably not

extinguish the fire, but one method is universally used: cooling. Helbig Feuerschutz supply a gel that forms an airtight seal over a fire and cools it. It can be sprayed onto the battery fire and it sticks to the surfaces it touches. This is of course ideal for recycling centers for example, where objects made of many different materials are heaped together. Smaller gel-based extinguishers are also affordable and applicable for the initial firefighting of small domestic battery fires.

Extinguishers have been developed to fight lithium compound fires that apply a watery silicon crystal mix. The working principle – also that of aqueous vermiculite dispersion (AVD) – is that tiny sheets of silicon expand with the heat and melt to form an impenetrable layer that reduces the surrounding temperature and prevents further thermal runaway. LionCare will be happy to advise you further about these as well as fire blankets and so-called 'pyrobubbles'. These are often used in granulate form during the transport of lithium-based cells and can withstand extremely high temperatures.

Stateside, StatX can provide you with a simple aerosol-based method of suppressing fires. They have various models appropriate for the size of the risk and the



© Image: Priorit AG

Videos of electro-scooters and electric cars bursting into flames while charging have been seen around the world. They make headlines, at least locally, almost every time, and have been responsible for significant damage and even loss of life. For all those that do catch fire, there are of course many thousands more that do not. Nevertheless, the inherent fire risk is there with every battery-powered – or more accurately, accumulator-powered – vehicle or device. Has fire-fighting and fire-containment technology kept up with the technological progress of these ‘batteries’?

industry, and these can be either manually activated, automatic, or coupled with a separate fire detection system.

Stick ‘em Up

The Fire Safety Stick has been fully certified by independent third party European testing houses to extinguish fires of types A, B, C, F, and consumer voltage electrical fires. The stick contains mostly potassium nitrate, and is started by igniting the top compound with the striker. A chemical reaction breaks the potassium nitrate down into nitrogen gas and potassium free radicals, pushing the potassium ions out to rapidly oxidize in the air and remove the oxygen from the fire. The resulting tiny inert potassium oxide particles simply dissipate into the atmosphere, without any harmful effects. The stream of extinguishant lasts from around 45 to 90 seconds. These sticks are marketed under various different names around the world but all use the same principle to suppress and possibly – hopefully – extinguish a fire. Subsequent cooling is still essential though. If you are in South Africa, you could contact Firebreak SA who have these sticks among their extensive range of safety devices, while you will find comprehensive descriptive information and where to obtain them elsewhere on the Fire Safety Stick website.

Bag It

In some cases, it makes no sense to actually fight a lithium fire once it has established itself, but only to limit the damage it can cause. This can be achieved by using fire blankets, which are available in various sizes depending on the expected risk: box size, forklift truck size, car size, and bigger. They will withstand over 1,000°C to 2,500°C for a short time, and 700 – 1,500 °C continuously, depending on the model. These blankets provide a valuable delay in a lithium fire spreading before the firefighters arrive. The not very Norwegian-sounding company Bridgehill has a useful selection of blankets and other fire containment products available.

For smaller battery packs such as those used in hand tools or garden tools, radio-controlled models, or portable audio devices, there are LiPO bags available for the transport of the cells/batteries. These are especially beneficial when the battery has just been charged and has its highest fire potential. The bags do not put out a battery fire, but they do contain it and bring some valuable seconds to quickly move the bag away from nearby inflammable materials or outside. The aptly-named Brimstone company has fire bags to fit all sorts of smaller contemporary electronic devices

for safe transport to minimize the risk of expensive material damage or consequential court proceedings.

If you’re handy with a sewing machine, you might like to make your own custom-sized bag using material from SVT Global. They can provide a non-woven glass fiber fabric with an integrated intumescent [viz. swelling] fire protection coating that provides passive fire protection in diverse e-mobility battery environments.

Yet Another Battery Risk

Large concentrations of batteries are now found at solar panel and wind turbine installations to buffer unused energy when the sun shines bright and the wind blows, and also at other more traditional types of power generation plant for the same purpose. The recent fire disaster at one of the hitherto largest battery power storage facilities worldwide at Moss Landing in California with 3,700 MWh of energy capacity has clearly demonstrated that there is still a lot of work to be done before this technology becomes totally trouble-free.

Battery energy storage systems (BESS) are rapidly being built around the world close to solar and wind-generated electricity

Please turn page ►

plants to buffer the production and demand imbalance. Despite using the best engineering practices and as demonstrated in the example above, fires do still occur at such sites, either in the generating equipment, in overheated cables, regulation equipment or switchgear, or in the cabin of a wind turbine. They have proven stubborn to extinguish so far, and just letting them burn does not qualify as acceptable fire suppression.

Almost all storage systems built to date use lithium-ion cells, with the corresponding fire risk. Recommended alternatives however would be sodium-ion, zinc-based and iron-air batteries, which are less prone to thermal runaway. Gesip have decades of experience in mitigating such risks and can provide a helping hand when you are wading through all the options, the legislation and the implementation of industrial safety solutions. Fire Trace International in N. America have a whole arsenal of fire-fighting solutions available for the protection of solar/battery storage installations. Nobel Fire Systems supply various different extinguishing technology solutions – gas, water mist, foam, or chemical – appropriate

for the risk, directly in the UK and through their many distributors worldwide.

Lock 'em Up

To really be on the safe side, all rechargeable batteries should be placed in a fire-proof container when they are not actually being used, i.e. overnight or during transport. The attractive overnight accommodation offered by some companies will ensure that the guests do not burn the place down if they get a little too warm. We are talking about fire-proof cabinets and even rooms that will contain any battery explosion and/or fire. Although Protecto offer safe spaces from cabinets to walk-in rooms, you will have to be multilingual to understand their website and appreciate all their lithium battery storage products. Denios offer a similar range of customized storage solutions – even for batteries stacked on pallets – that are available in more than 22 countries worldwide. You will find that safety cabinets from Priorit can be equipped with ventilation systems, smoke detectors and cableways, and painted in your own favorite color too. Cabinets from Düperthal are already delivered in a luminous green – Pantone 389C for those in the know – and are specially

designed for the safe storage and charging of lithium-ion batteries with the option of sending you an email or SMS if things go awry inside. The many battery safety boxes and charging cabinets from Cemo can be turned into trolleys with the optional castors available, while the Ion-Line cabinets from Asecos are fundamentally available in either storage or charging versions, and can be further customized with temperature sensors and fire suppression systems as needed.

Wind of Change

There is thankfully a slow progression underway in domestic usage from lithium-ion technology to more modern and more efficient nickel metal-hydride (Ni-MH) and lithium iron phosphate (LiFePO₄) types, both of which are much less susceptible to thermal runaway and will probably not catch fire when damaged. In the pipeline are even more new methods of storing electrical energy, such as solid-state and lithium-sulphur batteries which, although not good for the sales statistics of the companies that we have mentioned here, will be a great relief to firefighters and insurance companies worldwide. **GIT**



Training for Safer Fire Protection Solutions

Hochiki is celebrating the first anniversary of its Training Academy. This milestone marks a significant achievement in Hochiki's commitment to education and advancement within the fire safety industry. Over 789 registered users and more than 514 courses completed at the Hochiki Training Academy. With over a century of experience, Hochiki has earned a reputation for manufacturing reliable and innovative life safety products. The Training Academy builds upon this legacy, providing fire safety professionals with the knowledge and skills necessary to effectively design, install, commission, and maintain Hochiki systems. The past year has seen remarkable growth and engagement, with over 789 registered users and more than 514 courses completed, both online and in person. The academy offers a diverse range of courses catering to all levels of experience, from engineers new to fire safety to seasoned experts.

www.hochikieurope.com



Siemens Introduces a New Training Wall

Siemens continues to invest in its partner training program with the announcement of the introduction of a 'training wall' to enhance practical experience at its dedicated facility in Manchester. The new wall features the Siemens fire safety panels - Cerberus PRO and Cerberus FIT - along with detectors and sounders, including the FDA241 and FDA262 from the aspirating smoke detection (ASD and ASD+) range, all networked to allow engineers to see how the different elements can work together. Justin Leeks, a Siemens Fire Product Trainer, recognizes the importance of those undertaking the training to get experience of using the systems. I understand how getting your hands dirty by being 'under the hood' and seeing how these systems operate is the best way of learning. One of the benefits of the systems is that a lot of the work can be done in advance, pre-configuring a whole site and thereby offering significant savings in on-site installation and commissioning time.

www.siemens.com

FIRE DETECTION

Fire Proof is the New Stylish

Hochiki Fire System Installed in the New AU Vodka Headquarter

AU Vodka, the rapidly expanding premium spirits brand renowned for its distinctive gold bottles, has selected a fire detection system from Hochiki Europe for its impressive new head office in Swansea. The system, installed by South Wales-based fire safety and security specialists H3 Group, provides reliability and seamlessly integrates with the building's ultra-modern design.



Hochiki's ESP system blends effortlessly into AU Vodka's dynamic office environment

■ The new AU Vodka HQ is a testament to the brand's ambitious vision and rapid growth. As widely reported in national media, the two-story facility is a unique and dynamic workspace designed to accommodate over 150 employees. Beyond sleek, contemporary offices and communal areas, the building boasts a bustling kitchen, a mini golf course, and even a maze, presenting a diverse range of fire safety requirements.

Tasked with safeguarding this prestigious and complex environment, AU Vodka entrusted the project to H3 Group, a long-standing partner of Hochiki Europe. H3 Group recognised the need for a fire detection system that not only offered reliability but also complemented the building's striking aesthetic.

Simon Goneso of H3 Group commented, „When we secured the AU Vodka contract, it was clear that we needed a fire safety solution that mirrored the brand's commitment to quality and design. Hochiki's ESP addressable range emerged as the ideal choice. We have consistently found their devices to be exceptionally reliable, which is crucial in minimising the risk of false alarms within a busy and dynamic environment like AU Vodka's headquarters. The ease of installation and maintenance offered by Hochiki's systems is also a significant advantage for our engineers.“

The Hochiki ESP addressable system was specifically chosen for its performance and the ability to blend seamlessly with the contemporary architectural design of the AU Vodka offices. For a brand that places

significant emphasis on visual appeal, the sleek and unobtrusive nature of Hochiki's devices was a critical factor in the decision-making process.

Furthermore, the two-floor layout of the headquarters necessitated a robust and reliable networking capability. Hochiki's system provides seamless communication and control across the entire building, ensuring comprehensive fire safety coverage throughout all areas, from the main office spaces to the unique recreational facilities. This integrated approach guarantees that all zones are continuously monitored and protected. **GIT**



Hochiki Europe (UK) Ltd
<https://www.hochikieurope.com>



The wide range of models in the Ion-Line from Asecos offers the right safety cabinet for every application

LITHIUM-ION BATTERIES

Dual Fire Protection

The Ion-Line from Asecos Makes Charging and Storing Lithium Batteries Safe

At this year's Feuertrutz on June 25 and 26 in Nuremberg, Asecos will present its Ion-Line product range. These are Type 90 safety cabinets designed for storing and charging lithium-ion batteries. They provide double fire protection: both from the outside in and from the inside out. Additional features include a multi-level warning and fire suppression system, smoke detection, and alarm forwarding. The cabinets are also equipped with a transportable base and quick-release connectors to enable easy evacuation in the event of a fire. This minimizes damage to property and risk to people.

■ Lithium-ion batteries are installed in numerous devices and power tools and are generally considered safe. However, due to their high energy density, they can also pose a fire risk in the event of technical defects or mechanical faults. In particular, unattended charging outside working hours or overnight can then have consequences. The solution? Special safety cabinets for storing and charging batteries, such as those in the product portfolio of asecos, an expert in the storage and handling of hazardous materials. In order to reduce the potential risk when handling lithium-ion batteries, asecos offers a safe and tested state-of-the-art storage and charging solution in the form of Ion-Line safety storage cabinets. Martin Diebel, Managing Director and owner of the Berlin-based company see you rent GmbH, has also opted for such an Ion-Line safety cabinet. The company specializes in the rental of film equipment – and the storage and charging of lithium batteries is part of its daily business.

Back to the Roots: Battery Technology in Cameras

Thanks to services such as see you rent and the switch to digital technology, the production of video films is now easier than ever. But that wasn't always the case: Just a few decades ago, film cameras with power-hungry mechanisms and analog film reels served as recording devices. These cameras were larger, heavier and louder than today's models. Also, lead-gel battery technology was not powerful enough to keep old analog cameras and their successors in operation over a longer period of time. This changed in the early 1990s when a Japanese electronics company developed the first commercial and rechargeable lithium-ion battery. As one of the company's main products at the time was video cameras, lithium-ion batteries were used in these devices for the first time. The design of the battery made it possible to significantly reduce the weight



At See you rent, lithium-ion batteries are safely stored in Ion-Line cabinets from Asecos



The safety cabinets allow lithium-ion batteries to be securely stored and charged simultaneously

of the video cameras. However, the energy storage devices only had a low capacity and amperage at the time, but this has changed considerably since then.

A Look Behind the Scenes

To ensure that see you rent GmbH's equipment is always available to customers on time for the start of work, all batteries must be charged and ready for use. To this end, the Berlin-based camera rental company stores around 300 lithium-ion batteries of various capacities directly on site and ready to hand in its store. Because Managing Director Martin Diebel wants to keep the risk of a potential fire as low as possible, he has opted for a lithium-ion safety cabinet from asecos: "In order to not only protect our neighbors, but also to make our storage area safer, we have purchased two safety cabinets for our large, powerful lithium-ion batteries, but

also for smaller, less powerful batteries." Today, the safety cabinet has become an integral part of the company's day-to-day work: "All our employees have access to the safety cabinet so as not to disrupt our work processes. Interestingly, the cabinet is opened around 40 times a day, which shows how important and indispensable it is for our company," reports Martin Diebel.

Would you like to see the Ion-Line cabinets for yourself? Then visit the experts from Asecos from June 25–26 at FeuerTrutz in Nuremberg, Germany (Hall 4, Stand 4-436).



Asecos GmbH
www.asecos.com

Fire Safety Summit Gibraltar 2025

On 15th May 2025, fire safety professionals from Gibraltar and beyond gathered aboard the Sunborn Gibraltar Hotel for the first Fire Industry Association (FIA) Fire Safety Summit Gibraltar. The event was a showcase of collaboration, expert knowledge, and a shared drive to elevate standards across the fire sector, designed not only to bring people together but to create opportunities for learning and professional development. Attendees could watch various keynote talks, technical discussions, and a panel discussion. Introducing the event was Ian Moore OBE, FIA CEO, whose opening remarks underlined the Association's commitment to raising competency and uniting fire safety voices across regions. He was joined on stage by a line-up of respected speakers including Colin Ramirez, Chief Fire Officer at Gibraltar Fire



and Rescue, Sir Ken Knight, former Government Chief Fire Adviser for England, and other senior figures from across the industry.
<https://www.fia.uk.com>

This month at GIT-SECURITY.com

IMPRINT

Published by

Wiley-VCH GmbH
A Company of John Wiley & Sons, Inc
Boschstrasse 12 · 69469 Weinheim
GERMANY
www.GIT-SECURITY.com
GIT-GS@wiley.com

Bank Account

J.P. Morgan AG, Frankfurt
Account No.: 6161517443
Routing No.: 501 108 00
BIC: CHAS DE FX
IBAN: DE55501108006161517443

GIT SECURITY is published
4 times per year.

Editorial

• Cinzia Adorno
+49 6201 606 114
cinzia.adorno@wiley.com

• Matthias Erler
+49 (0) 6129 5025300
matthias.erler@wiley.com

Managing Director

• Dr. Guido F. Herrmann

Publishing Director

• Steffen Ebert
Tel.: +49 (0) 6201/606-709
steffen.ebert@wiley.com

Sales Managers

• Miryam Reubold
Tel.: +49 (0) 6201/606-127
miryam.reubold@wiley.com

• Dr. Michael Leising
Tel.: +49 (0) 36 03/8942800
michael.leising@wiley.com

Product Manager Safety & Security

• Dr. Timo Gimbel
Tel.: +49 (0) 6201/606-049
timo.gimbel@wiley.com

Wiley GIT Reader Service

65341 Eltville / Germany
Tel.: +49 6123 9238 246
Fax: +49 6123 9238 244
E-Mail: WileyGIT@vuser.de
Our service is available for you from
Monday to Friday 8 am – 5 pm CET

Production

• Jörg Stenger
• Andi Kettenbach (Layout)
• Elli Palzer (Lithography)
• Claudia Vogel (Sales Administrator)

The publishing house is granted the exclusive right, with regard to space, time and content to use the works/ editorial contributions in unchanged or edited form for any and all purposes any number of times itself, or to transfer the rights for the use of other organizations in which it holds partnership interests, as well as to third parties. This right of use relates to print as well as electronic media, including the Internet, as well as databases/data carriers of any kind.

All names, symbols etc. mentioned and/or printed in this issue may be registered trademarks of their respective owners.



Printed by
westermann DRUCK | pva
Printed in Germany | ISSN 2190-4367

WILEY



Comfortably read
your e-Issue of
GIT SECURITY on
your sofa:



Register
here

NEWS · LATEST ARTICLES · PRODUCTS · MAGAZINE · BUSINESS PARTNER · EVENTS · DE · EN

GIT SECURITY

Management Security Fire Protection IT-Security Safety

Read the latest issue online
GIT SECURITY 1/2025 as e-paper and for
download

Sign up for GIT SECURITY Newsletter:
Get the latest news, trends and background
information

Products and ad formats
Media data with information on our
channels, special formats and prices



Security
Airport Security and Efficiency with Dallmeier

Alarm.com Hosts Esteemed
Partner Event in Ibiza

SPONSORED • Fire Protection
The NEXOSPACE Suite from Bosch
Gets the Best out of Fire Systems

ADVERTISEMENT

Need SaaS that can do it all?
We've got you.

Discover Security Service Suite



News



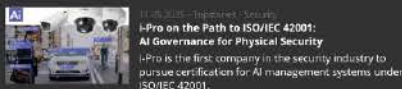
Latest Articles



Newsletter & e-edition
News, trends and background
information as well as the latest issue of
GIT SECURITY

Your email address:
By registering you agree to our data
protection guidelines.

ADVERTISEMENT



eCUQ
Your key to
digital access



Artificial Intelligence

Corporate Security

Logistics



Pierre Razc: "Real Artificial Intelligence Does Not Exist"
In part one Pierre Razc, President of Genetec, is addressing why IP network video systems were the game changer in the industry and why he does not like the term AI.

Corporate Security at BMW Group
GIT SECURITY in conversation with Alexander Klotz, Head of Corporate Security at BMW Group.

Global Security Strategies of the DHL Group
Interview with Frank Ewald, Senior Vice President, Head of Corporate Security & Crisis Management at the DHL Group.

Products



Drake's Projects Worldwide

Portier: portier X - Unified Access Management

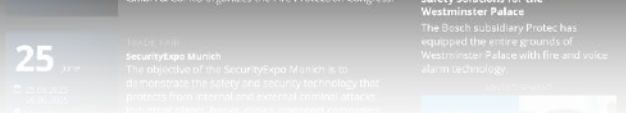
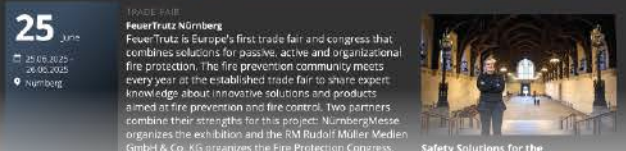
Frogblue: frogTerminal with mechanical bell button

Zargus: ZAP Masterflex Plus 5

Drake's New Home Security Solution: H516 B

Events

Fire Protection



SECURITY MANAGEMENT

Security Management



Ksenia Security S.p.A.
Strada Provinciale Valtesino, 49
63065 Ripatransone (AP), Italy
Tel. +39 0735 751646 · Fax +39 0735 652281
info@kseniasecurity.com · www.kseniasecurity.com
Security and Home & Building Automation

Security Management



NSC Sicherheitstechnik GmbH
Lange Wand 3 · D-33719 Bielefeld
Tel. +49(0)521/13629-0 · Fax +49(0)521/13629-29
info@nsc-sicherheit.de · www.nsc-sicherheit.de
Fire Alarms, CCTV, Voice Alarm Systems

FACILITY SECURITY

Facility Security



Dictator Technik GmbH
Gutenbergstr. 9 · D-86356 Neusäß
Tel. +49(0)821/24673-0 · Fax +49(0)821/24673-90
info@dictator.de · www.dictator.de
Drive units, hold open systems and smoke detectors,
door control solutions

Facility Security



frogblue · Smart Building Technology
Luxemburger Straße 6 · 67657 Kaiserslautern
Tel.: +49-631-520829-0
info@frogblue.com · www.frogblue.com/de

Frogblue is a leader in the development of wireless, Bluetooth®-based electrical installation solutions for professional use, which are produced entirely in Germany. (Access control, security, SmartHome, energy-efficient building technology)

Facility Security



SimonsVoss Technologies GmbH
Feringastr. 4 · D-85774 Unterföhring
Tel. +49(0)89/99228-180 · Fax +49(0)89/99228-222
marketing-simonsvoss@allegion.com
www.simons-voss.de

Digital locking and access control, intelligent locking components with the latest software. System 3060 plants fulfill highly complex requirements in large buildings. They are simply and quickly expandable and work consistently wireless.

VIDEO TECHNOLOGY

Video Technology



Dallmeier electronic GmbH & Co. KG
Bahnhofstrasse 16 · 93047 Regensburg
Tel. +49(0)941/8700-0 · Fax +49(0)941/8700-180
info@dallmeier.com · www.dallmeier.com
Video security technology made in Germany:
multifocal sensor technology Panomera®,
IP cameras, recording servers, intelligent video
analysis, video management software

Video Technology



EIZO Europe GmbH
Belgrader Straße 2 · 41069 Mönchengladbach
Tel.: +49 2161 8210 0
info@eizo.de · www.eizo.eu/ip-decoding
Professional monitors and solutions for 24/7 use in
video surveillance, IP decoding solutions with easy
installation and computerless operation.

Video Technology



i-PRO EMEA B.V.
Laarderhoogtweg 25 · 1101 EB Amsterdam
Netherlands
https://i-pro.com/eu/en
High-quality CCTV solutions (IP & analogue),
Video Automation and IA, Sophisticated technologies (FacePro, people masking), Cyber Security
Protection for GDPR compliance, VMS: Video Insight

Video Technology



Video surveillance • Video door intercom

TIME ACCESS

Time + Access



AceProx Identifikationssysteme GmbH
Bahnhofstr. 73 · 31691 Helpsen
Tel.: +49(0)5724-98360
info@aceprox.de · www.aceprox.de
RFID readers for access control,
T&A and identification

Time + Access



ASSA ABLOY Opening Solutions EMEA
Digital Access Solutions
Dukes Court, Dukes Street
Woking, GU21 5BH · Great Britain
www.assaabloy.com
Access control, Access management, Wireless locks,
Electronic Access Control Systems

Time + Access



Bird Home Automation GmbH
Uhlandstr. 165 · 10719 Berlin
Tel. +49 30 12084824 · pr@doorbird.com
Access Control; Building Automation;
Biometric Verification; IP Video Door
Station; IP Intercom; RFID; Customized
Intercom Systems; Made in Germany
www.doorbird.com

Time + Access



Cichon+Stolberg GmbH
Wankelstraße 47-49, 50996 Köln
Tel. +49(0)2236/397-200 · Fax +49(0)2236/61144
info@cryptin.de · www.cryptin.de
Operational data collection, time recording,
access control

Time + Access



DNAKE (Xiamen) Intelligent Technology Co., Ltd.
No.8, Haijing North 2nd Rd., Xiamen, Fujian, China
Tel.: +86 592-5705812
sales01@dnake.com · www.dnake-global.com
Intercom System, IP Video Intercom, 2-Wire IP
Intercom, Cloud Intercom Service, Access Control

Time + Access

FEIG

FEIG ELECTRONIC GMBH
Industriestrasse 1a · 35781 Weilburg
Tel. +49(0)6471/3109-375 · Fax +49(0)6471/3109-99
sales@feig.de · www.feig.de
RFID Readers (LF, HF, UHF) for access control,
vehicle identification, perimeter protection,
payment systems and much more

Time + Access

 **primion**
AZKOYEN Time & Security Division

primion Technology GmbH
Steinbeisstraße 2-4 · D-72510 Stetten a.K.M.
Tel. +49(0)7573/952-0 · Fax +49(0)7573/92034
info@primion.de · www.primion.de
Time management, access control and
management, staff deployment planning,
graphic alarm management, SAP communications
solutions, pass and ID card production, Biometrics

FIRE
PROTECTION

Time + Access

gantner 
INSPIRED ACCESS

GANTNER Electronic GmbH
Bundesstraße 12 · 6714 Nüziders · Austria
Tel. +43 5552 33944
info@gantner.com · www.gantner.com
access control solutions/biometrics,
time management, data capture, locking systems

Be Part of the Section **BusinessPartner**
The Purchasing Section for direct contact

Just send a mail to
miryam.reubold@wiley.com

We will be glad to advise you!**PLANT**
SAFETY

Time + Access


Die richtige Verbindung

phg
Peter Hengstler GmbH + Co. KG
D-78652 Deißlingen · Tel. +49(0)7420/89-0
datentechnik@phg.de · www.phg.de
RFID components for access control, timekeeping, factory
data collection, canteen data, leisure applications, surface-
mounted devices, flush-mounting components, biometrics,
identification media and accessories

Time + Access

 **STid**

STid EMEA Headquarter
20, Parc d'activités des Pradeaux
13850 Greasque · France
Tel: +33 (0)4 42 12 60 60 · Fax: +33 (0)4 42 12 60 61
stid-security.com
access control, mobile access, electronic
identification, mobile ID readers, vehicle access

Plant Safety

 **PEPPERL+FUCHS**

Pepperl+Fuchs SE
Lilienthalstraße 200 · 68307 Mannheim
Tel. 0621/776-1111 · Fax 0621/776-27-1111
fa-info@de.pepperl-fuchs.com
www.pepperl-fuchs.com
Security sensors, inductive, capacitive, opto-
electronic and ultrasonic sensors, vision sensors,
identification systems, interface modules

**Register for our
free Newsletter****Now**

Your
Number 1
for over
20 years

**e-Issue
included!**

News for Decision-
makers and Managers
in Safety & Security
Matters

WILEY



**WE'RE WITH YOU EVERY
STEP OF THE WAY**

As the industry leader in power and data transmission innovation, Altronix designs and manufactures electronic products that ensure security systems run at optimal performance. We pride ourselves on providing the best technical and customer support in the business. That's the Altronix advantage.

Run With It™

THE NEXT GENERATION OF SMART BUILDING AUTOMATION

Future-proof. Innovative. Energy-efficient.

MADE IN GERMANY



**WIRELESS.
LIMITLESS.
MAXIMUM SECURITY.**

For projects of any size!

Meet us at
SICHERHEITSEXPO Munich
Hall 1 · Stand D20
25 - 26 June 2025



 **frogblue**TM
SMART BUILDING TECHNOLOGY GERMANY

Luxemburger Straße 6
D - 67657 Kaiserslautern
frogblue.de
info@frogblue.com
+49 631 520829-0