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**For Manufacturers, Distributors, Dealers,
System Integrators & Installers of Security,
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An year into the pandemic: Video surveillance gets smarter and more connected



The global pandemic has triggered considerable innovation and change in the video surveillance sector. Last year, organisations around the globe embraced video surveillance technologies to manage social distancing, monitor occupancy levels in internal and external settings, and enhance their return-to-work processes.

Forced to reimagine nearly every facet of their operations for a new post-COVID reality, companies were quick to seize on the possibilities offered by today's next-generation video surveillance systems. Whether that was utilising motion sensing technologies to automatically close doors or switch on lighting in near-deserted office facilities. Or checking if people were wearing masks and adhering to distancing rules. Or keeping a watchful eye on

streets and public spaces during mandated curfew hours.

Beyond surveillance and monitoring use cases, organisations also took advantage of a raft of new Artificial Intelligence (AI) applications to undertake a range of tasks. Everything from automating their building management and optimising warehouse operations, to increasing manufacturing output and undertaking predictive maintenance. Behind the scenes, three key trends all contributed to the growing ubiquity of video surveillance observed in a variety of government, healthcare, corporate, retail, and industry settings.

Last year the shift to digital working led organisations to rapidly embrace cloud-enabled services, including cloud-hosted Video Surveillance As A Service (VSaaS) solutions

that provide tremendous economies of scale and flexibility. Alongside significant cost savings, these solutions make it easier for organisations to enhance their disaster recovery and manage their video surveillance estate in new and highly effective ways.

For example, in addition to enabling remote access and maintenance, today's cloud-powered systems eliminate any need to invest in local storage technologies that all too often fail to keep pace with an organisation's growing data storage requirements. Indeed, data from our worldwide customer base survey reveals how in 2020 an impressive 63% of organisations had abandoned using any on-premises storage option and were instead only storing all their video surveillance recordings and data in the Cloud. A deeper review of

the global stats shows that the average cloud recording retention period for this stored data was 28.2 days, with organisations in Asia topping the global average at 38 days – 33% higher than was observed in any other region.

Improvements in

bandwidth and scalability engendered by the Cloud have also helped boost the growing utilisation of audio recordings in addition to visual image capture. Indeed, our research found the number of surveillance cameras with an audio recording facility used by customers jumped more than 200% between 2016 and 2020.

The enhanced ease of connectivity and scalable bandwidth made possible by the Cloud is stimulating more companies to connect a lot more video surveillance cameras to their networks. The top motivation for doing so is to generate live metrics and data that can be utilised to deliver enhanced business insights and operational intelligence.

In recent years, a rich choice of video analytics solutions have been developed for a variety of industry verticals. The range

of functionalities on offer is impressive and covers a variety of applications. Everything from making it easy to classify and track objects and behaviour patterns in real-time, to undertaking anomaly detection, or generating predictions based on past and present events/activities.

Data collected via today's cloud connected cameras can now also be used to feed deep learning training and AI analytics, utilising the unparalleled virtualized processing capacity of the Cloud to convert Big Data into usable information quickly. By integrating this information with data from other enterprise data capture systems, organisations are now able to gain a 360-degree view of their operations – in almost real-time.

No longer the sole preserve of on-site security staff, the wider appli-

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Dear Reader

The events industry is built on bringing people together. But with the Covid-19 pandemic forcing social distancing upon us, the fundamentals of the events industry worldwide seem to be changing rapidly since last year to serve the needs of stakeholders in a dynamically evolving marketplace. The past year has left an indelible mark on how we gather, learn and network.



When the global pandemic started to become clear in early February 2020, there was little in the way of formal, comparable data to help the events industry understand its immediate and long term impact on business.

However, the pace at which change is happening, both technological and sociological, is incredible, as the whole world adapts to the restrictions Covid-19 is placing on how we connect and move around. This is especially the case in the events industry, which has pivoted from a firm base in physical space to one in cyberspace.

The pandemic has had a profound impact on how people live their lives, and is accelerating changes in consumer behaviour. How we work, shop, entertain, communicate and inform ourselves have been transformed, in large part by our willingness to adopt new digital tools and services, a change that has rapidly evolved in less than twelve months. This switch from physical to virtual places new emphasis on technologies like VR, AR, AI and robotics.

While the studies conducted across a wide audience show that COVID-19 has not diminished the value of in-person events for participants who desire to return to the exhibition floors and conference rooms as soon as restrictions are lifted, purely for the energy that they bring. However, they are also increasingly open to the idea of engaging with virtual content alongside face-to-face events, in a new hybrid model for events which is emerging.

ASIS International, the preeminent global association for security management professionals, has already announced its decision to move its annual flagship event, the Global Security Exchange (GSX) 2021 to a hybrid experience with in-person and digital features to take place later this year.

With much of the excitement surrounding the physical events embedded in the networking coffee breaks and luncheons, the gala evenings with cocktails, sumptuous spreads, and live entertainment, virtual events would really have to churn up a lot of innovation to keep the participants engaged and leave them with a good end-of-the-show experience.

At physical exhibitions stands are designed to catch the eye of the visitors and invite people in for a closer look, live demonstrations and face to face discussions give people another reason to engage. But what happens to all of this activity when there is no exhibition hall and no coffee breaks?

Event organisers have been quick to respond to the challenges of COVID-19, and have made remarkable progress developing and deploying technology to keep customers connected and informed. Early in the pandemic, webinars dominated the virtual landscape, but the past few months have seen a significant increase in the provision of meeting platforms, live content streaming, interactive directories, digital showcases, online networking tools, content hubs and more.

In the race to go virtual, many events have attempted to recreate the exhibition hall and conference room experience online, these attempts have had mixed results. In countries like India, where the pandemic's second deadly wave is wreaking havoc, even webinars are now getting cancelled as the mood has completely changed, in the face of mounting casualties.

Health and stability need to be restored before events, physical or virtual, can be enjoyed by the participants.

Till we meet next month, Stay Safe and Keep Others Safe.

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SECURITY UPDATE is a focused educational publication on protection technology, products and solutions. It reaches the business community of manufacturers, distributors, dealers, installers, integrators and consultants of security, fire and safety systems. Printed monthly as a lightweight tabloid, it is easily carried and read on the move, reaching the remotest corner of India, even where the internet may not have reached!

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SAFR® launches Version 3.4 featuring passive liveness detection & anti-spoofing



SAFR from RealNetworks, Inc. announced a new version of SAFR, the world's foremost facial recognition solution for live video, offering accurate, fast, unbiased face recognition and additional computer vision features. SAFR version 3.4 introduces new passive liveness detection and anti-spoofing features, for both masked and unmasked faces, to enhance security for face biometric authentication solutions. The new version also includes SMS watchlist alarms.

Further hardened against spoofing, SAFR's AI-powered liveness detection can quickly (within 0.3 seconds) and accurately (95.27% True Positive Rate) verify that a real, live person is in front of any standard

RTSP or USB camera, and not a photo or video clip is presented.

In version 3.4, the SAFR algorithm analyzes texture and context, based on the RGB visual spectrum field from a standard 2D camera – be it an IP camera embedded in an access control terminal, an ATM camera, or a USB or laptop camera used to authenticate the user.

Ideally suited for a broad range of applications such as touchless access control or authentication for applications like electronic wallet or online test-taking, SAFR's passive liveness detection feature is very intuitive to operate since users are not required to do anything specific such as turn their faces, look left, or right, smile, or

even take off their mask if they are wearing one.

A unique feature in SAFR version 3.4 is its ability to automate alerts to security personnel when a spoofing attempt or a fraudulent attempt to gain access is detected. The new version also allows security personnel to set specific thresholds for liveness that allow them to balance end-user convenience and specific levels of liveness veracity they require, depending on use cases. With SAFR 3.4, users can view the video and liveness analysis results in real-time or review event-based history records.

Compatible with any available IP camera, SAFR's Passive Liveness Detection offers a low total cost of ownership and can be rapidly deployed on existing data and networks.

SAFR provides SMS alerting functionality for Windows customers and integrated out-of-the-box for Cloud customers. This represents a great solution for small to medium-sized businesses

that want the ability to configure SMS notifications so that staff responsible for security can be alerted, whether they are onsite or away from the office.

SAFR users have the flexibility to configure SMS notifications that are triggered on a set of event conditions. Event conditions may include whether the person is a VIP or person of concern or if the individual is in a specific area. "The new version of SAFR adds significant new levels of security for access control, whether it is authentication for physical access or validation of a person's identity for eKYC purposes." "SAFR's passive, AI-based approach, works with 2D RGB video streams, supports BYOD- (bring your own device) based engagements and dramatically lowers the costs and complexities associated with hardware-based solutions," said Eric Hess, Sr. Director Product Management - SAFR Face Recognition & Security Solutions, RealNetworks

ShotSpotter launches SiteSecure gunfire detection solution to enhance retail security for malls



ShotSpotter, Inc. a pioneer in precision policing technology solutions that enable law enforcement to more effectively respond to, investigate and deter crime, launches its ShotSpotter SiteSecure™ for Retail program to provide outdoor gunfire detection for retail chains and malls.

ShotSpotter SiteSecure is a gunfire detection solution that alerts retail security personnel within seconds of a shooting incident around their stores and parking lots, protecting retail shoppers and asso-

ciates by enabling faster response by security, law enforcement and medical personnel.

Fatalities and violent incidents in retail spiked to an all-time high in 2020, increasing 40 percent since 2016, according to the latest D&D Daily retail crime report. The findings revealed that 88% of the fatalities were from gunfire and that parking lots experienced the highest retail violence, followed closely by stores and malls.

ShotSpotter's own gunfire data also showed a significant increase in

retail area shootings, rising 42 percent from 2019 to 2020 in areas with ShotSpotter coverage. The increase includes 5,141 confirmed gunfire incidents within a quarter mile of retail establishments in 2019, to 7,299 in 2020. The retail establishments represented a mix of grocers, discount/dollar stores, big box retailers, home improvement/DIY, and supply chain/distribution centres that fell within U.S. coverage areas for ShotSpotter.

SiteSecure for retail is a new program that provides US-based retailers with dedicated security experts, custom-tailored solutions for enhanced perimeter security, simplified pricing bundles, and seamless integration into existing video surveillance, access controls, and other security technologies. It complements similar programs for corporate facilities,

government buildings, and college campuses.

SiteSecure's core technology uses acoustic sensors to listen for loud, impulsive sounds that could be gunshots. Using a combination of machine learning and human review, incidents are quickly verified and alerts are sent to law enforcement and security teams including a precise location of the incident, a number of rounds fired, and tactical information.

The alerts provide a critical time advantage that enables security officials to quickly mobilise and safely mitigate the threat. SiteSecure's technology is already used in over 100 cities across the U.S. to provide public safety personnel with a critical time advantage needed to act quickly and confidently in a crisis situation.



PRESENT

TOP INDIAN WOMEN INFLUENCERS IN SECURITY



26th August 2021

Globally women are playing a key role in the advancement of the profession of security in all sectors, verticals and levels of the industry.

In order to recognise and honour the accomplishments, value and contributions of women in this vital sector of the economy, SECURITY TODAY & SECURITY UPDATE in association with InfosecGirls and WISECRA announce the "Top Indian Women Influencers in Security" recognition for the year 2021.

In 2020, this accolade was developed to help recognise women in security in India who made significant contributions in shaping the industry and shaped the path for future generations of professionals. 20 torch bearers were recognised from 272 nominations received in a virtual ceremony by the nation's 1st, most famous & iconic lady IPS officer, Her Excellency, Dr. Kiran Bedi, the then Hon'ble Lieutenant Governor of Puducherry. Distinguished senior people from different sectors were carefully chosen as 'members of the jury' for this event.

For further announcements please visit our website:

<https://securitytoday.in> & <https://securityupdate.in>

SUPPORTING PARTNERS



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An year into the pandemic: Video...



cation and business use of video surveillance means that IT is increasingly taking the lead role where the management and control of these systems are concerned.

Aside from the fact that IT has a vested interest in addressing the cybersecurity implications that come with attaching a growing range of IoT devices to the enterprise network, they're also increasingly being asked to integrate video surveil-

lance into key enterprise platforms to generate the data that business leaders need.

As organisations expand their integration of video with other business applications, such as point of sale, access control, process control and manufacturing systems, this trend is only set to accelerate.

Right now, the video surveillance industry is at a key tipping point, as video systems become

increasingly strategic for enabling the enterprise to boost productivity, stay compliant, and fulfil its obligations to protect employees and customers.

As the technology's contribution to enhanced data-driven decision-making and problem solving continues to increase, expect the adoption of IP connected video cameras to burgeon as organisations look to capture more data from their day-to-day business operations.

Gallagher announces global distribution agreement with Invixium



Gallagher, a global leader in access control and perimeter security solutions, and Invixium, a premier manufacturer of innovative touchless biometrics, have announced a global agreement where Gallagher will distribute Invixium products for access control.

This distribution agreement aligns with Invixium and Gallagher's continuous efforts to modernize and adapt physical security in light of the ongoing COVID-19

pandemic. This agreement also follows the successful integration of Gallagher's Command Centre with IXM WEB. The new integration unlocks the full potential of Invixium temperature screening, mask detection and face recognition while wearing a mask.

The joint solution, provided by integrating Gallagher's Command Centre with IXM WEB, delivers a complete answer for visitor screening, access control or healthy

workforce management, including temperature screening, mask detection and more. The Command Centre platform will notify administrators of elevated body temperature or mask-related access events in the Alarm Viewer. Along with Invixium's flagship healthy access solution, Gallagher will re-sell Invixium products to provide their global customers with a range of products to satisfy their most demanding health and safety requirements.

PAC upgrades address lockdown challenges

PAC has incorporated some of the most comprehensive upgrades in its new versions of Access Central and Easinet Residential software

management platforms since they were launched. Enhancements include a range of dynamic features that will enable commercial and residential prem-

ises to maintain high levels of occupant safety as lockdown begins to ease.

Designed primarily for the commercial, educational and healthcare



sectors, Access Central acts as a central resource for keyholder records and access privileges, with the ability to set pre configured alarms, track activities and maintain a full audit trail.

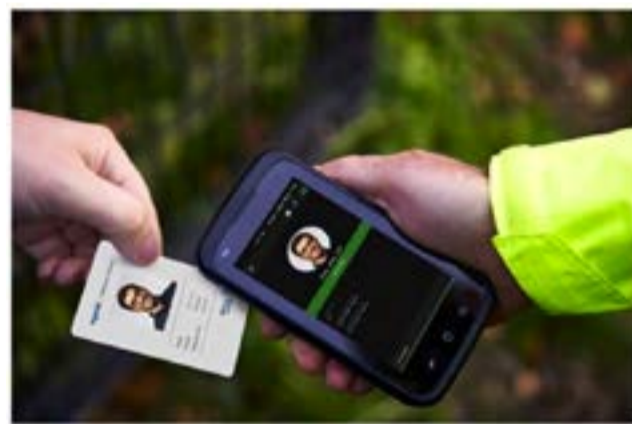
To build on its existing capabilities, Access Central v5.3 now has additional occupancy management features including managed entrance, occupancy tracking and global anti-passback for accurate tracing of keyholders. This will help make sure occupants adhere to designated one-way flow systems through buildings and do not overpopulate specific areas. Furthermore, a keyholder's access privileges can be temporarily disabled if they do not read out when exiting an area.

Access Central v5.3 also boasts enhanced building management and security features such as a guard tour that configures set routes around a building for security officers. Using pre configured parameters, automated event notifications send PC pop-up notifications when occupancy limits are reached and/or exceeded, restrict entry and provide a live display of the number of people in an area. This can form part of a broader health and safety policy, for example, temperature and mask checks or use of sanitisation stations, and can be used to configure a traffic light style system, while time periods are configurable to enable one or multiple managed entrances per day.

Similar innovations are found in Easinet Res-

idential v5.3, which combines high security access control with advanced keyholder configuration and management, which can be supported through PAC's secure Residential Cloud. Easinet Residential v5.3 enables cost effective expansion into building management systems through the use of PAC input/output controllers to facilitate third-party equipment integration, allowing building services such as heating, ventilation and air conditioning systems to be centrally managed. In addition, lift control means that keyholders are only assigned access to specific floors to maintain social distancing. These features can all be managed via Control Centre – PAC's new 'single pane of glass' management tool for operators.

Johnson Controls releases portable all in one reader



Johnson Controls is launching the new C-One2 mobile terminals from Coppennic for the innovative Tyco Software House C-Cure Go Reader. C-Cure Go is an application that extends the capabilities of the C-Cure 9000 security and event management system with portable, secure access control functionality, even in remote or disconnected areas.

The Coppennic C-One2 handheld Android device, featuring a multi-technology HID read head, is an ideal mobile solution for controlling an individual's

access rights at any time and from anywhere. The C-Cure Go Reader application validates credentials, performs roll calls and can even enforce anti-passback on a per-device level and also in an online mode in conjunction with I-Star controller areas.

C-Cure Go Reader can operate in offline mode, caching personnel records and clearance data, as well as buffering offline transactions and synchronising instantly with C-Cure 9000 when back online, making this ideal for construction sites, temporary en-

trances, offsite events or roaming security checkpoints for spontaneous badge checks.

For emergency situations, the C-Cure Go Reader features a roll call system administrator to produce a list of all users currently within a specified area, a crucial function for any emergency or evacuation plan. Cardholders simply present their QR code, Iclass, Mifare/ Desfire EV2 or proximity card to the handheld reader. Once presented, C-Cure Go Reader shows the associated portrait image, cardholder status, clearance information, and whether the individual can be admitted or rejected. For quick tracking, the C-Cure Go Reader can easily create checkpoints and track IN and OUT status for personnel, as well as capture the GIS location of each card and show locations on C-Cure 9000 workstations.

Nice launches Mercury 310 Residential Gate Operator Controller



Nice, a global manufacturer of Smart Home and Building Automation products, has announced the release of the Mercury 310 residential gate operator controller, a simple-to-install controller engineered for UL325 compliance for automated gate systems.

"With the release of Mercury 310, we are setting a new standard in ease of installation and use," says Jon Eiche, Product Manager, Residential & Commercial Gate for Nice North America. "We designed the Mercury 310 to keep automated gate control as simple as possible providing installers and owners a safer and more streamlined experience."

With no programming required, a simple user interface, and cutting-edge safety features,

UL325 compliance has never been simpler. Installers familiar with Nice gate controllers will find familiarity in Mercury 310, which is as straightforward to install as previous products but now includes new features. Mercury 310 is an upgrade to existing residential gate controllers as it natively meets the UL325 compliance by including two methods of entrapment detection (Type A and Type C).

This industry standard exists to protect people and property from powerful and potentially harmful automated gate movement. By integrating sophisticated internal motor frequency sensing, along with traditional current sensing, Mercury 310 is the first Nice offering with two

forms of entrapment detection built into the controller, enabling installers to achieve UL325 compliance with a single solution. For added protection and maximum safety, Nice recommends using external photo eyes or edge sensors. Mercury 310 also automatically detects Nice BlueBUS photo eyes when connected. Additional state-of-the-art safety features include speed regulation for soft-start and soft-stop functionality.

The simple user-interface of the Mercury 310 controller includes a function selector knob, a USB port for easy firmware updates, and a battery health alert LED that informs technicians when battery service or replacement is needed. Mercury 310's standby mode reduces power draw during periods of low usage, making it one of the most power-efficient controllers on the market. Mercury 310 comes solar ready but can be installed on AC power using 'AC-BOX', a new controller enclosure that includes a backup battery. On either solar or AC power, if the system battery should run low, Mercury 310 engages failsafe mode, which automatically opens the gate to hold in place, so owners are not locked in or out of a property.

OPTEX launches new REDSCAN PRO LIDAR Sensor for high accuracy detection near and far



OPTEX is rolling out the launch of its new REDSCAN PRO laser detection sensor, featuring its longest range yet, making it the perfect solution for the highest security sites. The latest evolution in its award-winning REDSCAN LiDAR series, REDSCAN PRO can very accurately detect intruders to a range of 50mx100m, without any 'gaps' or the detection reliability 'fading' with

range. By creating rectangular as opposed to circular (fan-shaped) detection patterns, there are no unnecessary overlaps, providing great coverage for virtual wall applications such as façade and fence protection, and for virtual planes to cover open areas, ceilings and roofs.

To meet the individual needs of every site, REDSCAN PRO features intelligent multiple zones logic. This means that for each detection zone, the sensitivity, target size and output can be configured independently, allowing the zone's risk and location to be adapted and provide maximum capture rate with minimum

nuisance alarms.

The sensor's camera module brings visual assistance for configuration and post-alarm analysis. When an alarm is created, a file is saved with an alarm log and video image. It helps security teams reviewing the alarms and checks if any action needs to be taken or if the settings need to be adjusted.

REDSKAN PRO features a sleek, new design, with a flexible mounting option (+5 to -95-degree tilt), simple set up and easy-to-use web configuration. The sensors are also ONVIF (Open Network Video Interface Forum) Profile S compliant.



Yogesh B Dutta passes away due to Covid 19 complications

The private security industry in India has lost a shining star who had the promise to revolutionize the industry. Mr Yogesh B Dutta, COO - CP PLUS INDIA and Aditya Infotech fell victim to the cruel hands of Covid 19 on May 2, 2021. Yogesh is survived by his wife and a son.

An experienced business leader with a demonstrated history of working in the electronic surveillance, information technology and services industry, Yogesh excelled in his domain. His foresight and industry expertise had been monumental in redefining the brand's image. It was his out of the box ideas and efforts that made CP Plus and its campaign a household name thus paving the way for CCTV to become virtually a consumer item.

He shall be deeply mourned and missed by all whom he came in contact with. SECURITY UPDATE offers its heartfelt condolences to the bereaved family and staff of CP Plus and prays that he achieves eternal peace in his heavenly abode.

Revolutionary new security product to protect security officers



Following successful trials with police and security staff in South Yorkshire, SmartTag® is now being made available to Security Industry Accredited (SIA) security officers working in the wider Yorkshire area.

The award-winning forensic scientists at SmartWater Group created SmartTag following the increase in attacks on frontline workers during the Covid lockdown. Each security officer will be equipped with a uniquely formulated handheld spray for their exclusive use. However, they are required to sit an online training course and pass an examination before they receive their SmartTag spray.

SmartTag is another

later date.

Detective Superintendent Lee Berry, who launched a pilot last year with security guards when at South Yorkshire Police, said: "Our aim was to create a deterrent for door staff to defuse violent incidents before they escalated. Over 100 canisters were deployed across the country following a successful trial in Sheffield. We received great feedback from door staff who said they had diffused situations by warning those involved that they would be forensically marked."

Gary Higgins, COO of SmartWater said: "SmartWater is a powerful deterrent as it provides the police with the evidence they need to prosecute, and hundreds of criminals are behind bars as a result. The trial in Yorkshire with the police and security staff went very well and we believe that SmartTag will be a standard piece of equipment for all professional SIA accredited security officers." SmartWater is the only product of its type that has been independently accredited as being compliant with the requirements of the Government's Forensic Science Regulator.

Bosch launches X2 Connect Video Partner Program



Bosch has introduced the X2 Connect Video Partner Program designed to connect system integrators with the sales tools, education, and practical business support to help them grow their businesses. The program is open to all system integrators purchasing Bosch video products in the U.S.

“The new Video Partner Program is based on shared goals and shared success,” said Brian Wisner, President of Bosch Security and Safety Systems, North America. “It’s

built to bring us closer to our channel partners and provide them with benefits to help them design, sell, and maintain Bosch video systems. As our industry moves toward the next generation IoT that combines artificial intelligence with the Internet of Things (AIoT), this level of support will be essential for system integrators aiming for growth with the opportunities offered by intelligent video systems.”

AIoT solutions from Bosch will help users respond to possible risks

before situations occur and deliver business intelligence beyond security by bringing together rich contextual and behavioral information. Built-in AI, like video analytics, enables Bosch cameras to understand what they see and add sense and structure to captured video with metadata. This is an important first step in converting video data into actionable insights and building predictive solutions that help users anticipate unforeseen events and prevent them from happening.

The X2 Connect Bosch Video Partner Program is built to ensure channel partners have access to the sales and after-sales assistance, training, and marketing tools needed to be successful as the industry transitions to offering AIoT solutions. The program includes four partner levels – Silver, Gold, Platinum, and Diamond – with tiered benefits in these areas. As partners increase their sales of Bosch video products, they are rewarded with additional benefits to accelerate growth.

Solium S600 Solar Security Camera: Home security, powered by the sun



One of the challenges with outdoor surveillance is powering your camera. It’s usually not feasible to run electrical wire to a camera mounted near your roof, which means relying on batteries. The problem is that batteries must be recharged, which means periodically breaking out a ladder a few times a year. With its model S600 Wi-Fi security camera, Solium offers a classic solution: solar power.

The 1080p camera is

loaded, starting with a pan/tilt motor that lets you rotate the camera on demand through 320 degrees horizontally and 90 degrees vertically. The camera offers a record-on-detected-motion feature, but the camera does not automatically follow objects as they move.

The S600 includes two forms of night vision, accessible on demand: A black-and-white version lit up by infrared LEDs, or a “color night

vision” feature which actually just fires up four white LED spotlights to illuminate the scene—at least to a range of 32 feet. Recordings can be saved to an onboard microSD card (cards with capacities up to 64GB are supported, but one is not included) or to Solium’s subscription-based cloud service.

There’s also a large solar panel attached, as well. The 10 x 7-inch (HxW) panel is mounted on a swivel/hinge system, and while Solium doesn’t provide the wattage of the panel, it does seem capable at keeping the 9000mAh battery topped up. Solium says the panel should keep the battery charged for a year of regular use.

Clips stored on your memory card can be accessed beneath the main

camera screen by tapping the cloud icon, which changes to show what’s stored on the memory card. If you’re on the app’s home screen, on the other hand, the “Cloud video” icon can only be used to access online clips,

while the “Album” icon is used to capture clips and snapshots you’ve saved to your phone. Thumbnails showing the content of the video image would also be a nice feature when skimming through your history.

The overwhelming size and complexity of the Solium S600 ultimately makes it a niche product best suited for locations where curb appeal doesn’t matter and access is generally limited.

Hikvision iDS-TCV907-BIR 9 MP ANPR All-Rounder Traffic Camera



Hikvision, an IoT solution provider with video as its core competency, announced its latest traffic product offering - the All-Rounder ITS camera - designed to improve road safety and optimise traffic flow. As the name implies, the camera encompasses different skills and abilities, boasting speed detection, traffic violation detection, automated plate recognition, and vehicle attribute analysis in one housing.

“Hikvision is always pushing the boundaries of video technologies. Beyond the visual range that is perceived by video cameras, the abilities to understand other kinds of “senses” would allow even more precise monitoring and reporting of events or accidents,” says Frank Zhang, President of International Product and Solution Center at Hikvision. “This is multi-dimensional perception, a trend that we think will affect the security industry in the future.”

The new ITS camera is designed and developed with this multi-dimensional concept in mind. It is Hikvision’s

first camera to integrate three otherwise separate modules in one unit with no compromise on performance, making the camera neat and flexible to be deployed for demanding environments, all in an easy and cost-effective manner. The product provides an HD camera, speed radar, and light array inside one housing.

Specifically, it works with a multi-tracking radar that continuously monitors up to two or three traffic lanes - depending on the camera model, and identifies the speed and position of objects in the monitored area at a speed of up to 300 km/h. If a vehicle violates the speed limit, the embedded radar triggers the connected camera and a picture is taken of the vehicle and its licence plate.

In the event of infringements of traffic rules such as wrong-way driving, improper lane usage, or even failure to use a seat belt, the camera will capture images of the corresponding vehicle, recognise its licence plate and relevant information including vehicle

type, colour, brand, and direction of movement, which can be addressed to the authorities in real-time or stored on board. Incident detection helps to improve overall driving standards, which ultimately reduces the number of accidents, improves road safety and further evens traffic flow.

Employed with Deep Learning algorithms, the camera is able to recognise a much higher number of licence plates and with higher efficiency than conventional ANPR systems. Its GMOS sensor further ensures brighter and smoother images to be reproduced in challenging lighting conditions, especially in low-light environments. The camera’s embedded supplemental light features a 16-bead light array, offering an IR range of up to 40 metres at night.

As all of these functionalities are integrated, the single product itself outperforms conventional ITS products with space-saving and less cabling for easier installation. It supports flexible pole- or side-mounting, which makes onsite configuration effortless. The Hikvision All-Rounder ITS camera is ideal for various scenes such as urban roads, highways, tunnels and toll stations.

Genetec launches latest upgrade of Security Center



Genetec has released a new version (v 5.10) of its flagship unified security platform, Security Center. Among many new enhancements, this major new release allows more system components to run in the cloud, reducing the gap between cloud and on-premises security systems. It also

makes it easier to connect external systems and tap external data for use in dashboards, maps and investigations without relying on complex, specialised integrations.

This latest version offers new options to facilitate migration to the cloud as well as support flexible hybrid-cloud architectures. Taking a step further towards unified, enterprise Video-Surveillance-as-a-Service (VSaaS), the new version of Security Center Omnicast-the video management system of Security Center-enables the seamless use of tiered cloud and on-premises storage to manage short- and long-term video archives according to customer needs. It gives configuration flexibility and reporting capability and supports various scenarios for real-time or on-demand access to video footage stored in the cloud.

Depending on its recency and criticality, video can either be stored in high-performance storage for fast access or long-term storage to support flexible cost options, as well as data compliance. To ensure maximum security, ingested video blocks are encrypted on-premises

and then moved to the cloud using encrypted communications channels. Sipelia Communications Management, the module of Security Center that enables SIP-based communications between operators and intercom devices, has also been enhanced to offer support for cloud-based deployment.

Security Center 5.10 introduces a new, no-code solution to connect external data sources to enhance an operator's situational awareness. The new Record Fusion Service feature offers a simple, fast path to integrate third-party data streams from private or partner record publishers, such as traffic, utilities, or weather feeds to name only a few. Users can define tailored record types and consume data from a variety of sources including KML, JSON, and CSV documents, or set up a REST application listening point to which these external services can push records.

The Genetec Record Fusion Service can be used across the entire unified platform to enhance awareness and response, provide contextual information on dynamic maps, be visualised in operational dashboards,

investigative reports, or in the unified monitoring interface. The service supports a broad range of applications, from displaying user-defined and filtered information on a map with custom graphical elements, to combining various records from a wide variety of sources to create custom aggregate records that are useful to specific operators or roles. The Record Fusion Service increases agility, enables highly specific and relevant data to be quickly and easily added to the platform, and makes security operators more efficient in accessing timely, contextual information.

Security Center 5.10 further taps mobile devices to reinvent the way organisations accomplish routine tasks on-the-go. Genetec Mobile, a unified app that enables users to access cameras, doors, and automatic license plate recognition (ALPR) units from their smartphones, now supports Genetec Mission Control incidents and standard operating procedures. This allows users to trigger or view active incidents on maps or in list format, and record incidents in the field to notify colleagues in the operation centre.

AMG unveils new AMG570 series Ethernet switches



AMG Systems are releasing the new AMG570 Series, their latest, UK designed and manufactured, layer 2+ Ethernet switches. AMG Systems have been manufacturing transmission hardware in the UK for over 25 years, but what is unique with this new series is that the software has been developed in-house by the AMG engineering team in the UK, making it, according to the company, a more secure, trustworthy, and reliable network transmission partner.

The AMG570 Series provides 100Mbps, Gigabit, and 2.5 Gigabit

Ethernet switching for industrial (-40 to 75°C) network applications. It is available with 8x RJ45 Gigabit ports supporting optional 30/60/90W PoE and 3x 100Mb, 1Gb, and 2.5Gb SFP ports.

With options for DIN rail or wall mount housing, the AMG570 has a unique IP40 rated thermal enclosure design enabling it to dissipate heat more effectively at high temperatures, ensuring maximum reliability even when under full PoE load in extreme environments.

Supporting a wide range of management functions, including Rap-

id and Multiple Spanning Tree as well as Ethernet Ring Protection Switching (ERPS) protocols for network redundancy. Along with a comprehensive suite of the latest security features, IGMP functionality is also supported, enabling multicast traffic which is commonly used in IP CCTV deployments. Developing this switch, AMG have focused on integrating functions and security features that are optimised for Video over IP.

Where some other suppliers are known to import their products from overseas, often with critical operational software that has been written elsewhere, AMG are now designing and manufacturing the complete solution through their internal UK and USA hardware and software engineering teams.

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Hanwha Techwin Wisenet XRN-6410DB4 / mXRN-3210B4



Hanwha Techwin America, a global supplier of IP and analog video surveillance solutions, unveiled two new Wisenet X series NVRs that support the industry's first video playback and recording of up to 8K super-high-resolution images. 8K recording can cover large areas with sufficient pixel density to allow operators to zoom in digitally and investigate image details in real time or forensically and still retain a clear image.

The new NVRs in the Wisenet X series (XRN-6410DB4/ XRN-3210B4) are scalable to a total of 160TB (Terabytes) of available SATA HDD recording capacity. Both units support a recording bandwidth of 400 Mbps and include dual HDMI video outputs. The NVRs will be available in 64

channel (XRN-6410DB4) and 32 channel (XRN-3210B4) configurations and support simultaneous playback of all channels on a local monitor. The 64 channel (XRN-6410DB4) includes dual redundant power supplies to ensure continuity of recording for mission critical applications. Both models support RAID 5 and RAID 6 configurations which provide redundancy for video storage data.

New UI/ UX features greatly enhance convenience, allowing users to configure events and alarms of all channels or edit each channel from a single page. Users can also mouse over the video for a preview, making video and event search from multiple channels easier than ever. A new bookmark management function allows for easy retrieval and protec-

tion of video clips during an investigation.

Integrated with Hanwha Techwin's Wisenet P series AI cameras, the new NVRs are able to read AI metadata generated by the edge device from deep learning algorithms, enabling operators to quickly search for objects (such as person, face, vehicle and license plate) and attributes associated with them. Support for dynamic events allows the system to receive alarm event triggers based on current license-free analytics as well as new analytics released in the future without requiring a firmware upgrade.

The new Wisenet X series NVRs demonstrate our industry-leading technological power by offering superb quality images of up to 8K super-high-resolution with precise and efficient monitoring through an integration with AI cameras. The new UI/UX makes analytics configuration across all channels easier and faster than ever before.

ASSA ABLOY delivers flexible and futureproof access control at Hean Castle Estate



ASSA CLIQ® Remote has proven to be the perfect partner for the Hean Castle Estate in southwest Wales, delivering assured key control and much-needed flexibility when managing access control across the site.

Covering over 1,200 acres, the Hean Castle Estate owns and manages a diverse portfolio of land and property around the village of Saundersfoot in Pembrokeshire, Wales. The Estate operates a range of different enterprises, including beef farming, forestry and biofuel production, two substantial holiday caravan parks and a beach centre, together with a significant portfolio of leased commercial properties.

Previously, the Estate used a mechanical master key system, which posed a number of specific challenges. The first of these was around lost keys, with one lost key potentially compromising the entire system. The second challenge was around the inflexibility of the mechanical master key set-up. Due to the number of different departments on the Estate and the areas they each required access to, this often involved members of staff having to swap keys or members of the management team having to attend remote sites in order to provide access.

The solution was ASSA CLIQ® Remote from the ASSA ABLOY Door Hardware Group. Supplied and installed by local distributor Lock-Tech, ASSA CLIQ® Remote is an award-winning electromechanical solution, using high-end micro-electronics and programmable keys and cylinders to help

the Hean Castle Estate stay in control of access rights across the site, at all times. The solution enables the team to grant key holders, regardless of their location, remote access to properties and facilities on the estate, saving time and money around key control.

The system was first installed in the Estate's administrative office and a series of adjoining workshop buildings and has been expanded across Hean Castle Estate ever since. Almost 80 cylinders and padlocks have been fitted across the site, with 40 CLIQ® keys in use and seven wall PD units installed, which allow users to update their key credentials without having to visit an administrator.

David Lewis, Trustee at Hean Castle Estate, explains: "ASSA CLIQ® Remote has proven to be a great success across the Hean Castle Estate. Firstly, lost keys are no longer an issue. For instance, we had one case where an employee forgot to return their key when leaving the business. With ASSA CLIQ® Remote, this problem was quickly remedied, by simply revoking their access rights. From a security and peace of mind perspective, it's difficult to fault."

"Secondly, the ease with which access rights can be set up is a big benefit. For example, we programmed the system so that our staff's access credentials end half an hour after their shift has finished. And with many different contractors, such as electricians and engineers, visiting our site, ASSA CLIQ® Remote lets us give these professionals access to only the areas they need. In comparison, with a

mechanical master key system, a member of our team would have to escort them to the building and wait for the job to be done. Given how geographically dispersed the Estate is, this would waste a lot of our team's time, but this is no longer an issue with ASSA CLIQ® Remote."

"Finally, as the Estate expands, the ASSA CLIQ® Remote system can grow with it. The system is now simply part of the infrastructure of the Estate; should we need more cylinders or padlocks added to it, then this is an easy and hassle-free process. We have worked with Lock-Tech for a long time and always receive excellent service, and the same can be said of ASSA ABLOY too, who have been very quick to respond to any questions we may have."

Nojmol Islam, Category Product Manager – El Mech & New Technologies at the ASSA ABLOY Door Hardware Group, adds: "We are delighted with the success of the ASSA CLIQ® Remote system at Hean Castle Estate. It's a perfect example of how versatile the solution is, with it being used in a range of applications, from outbuildings and doors to gates and residential properties."

"This includes ASSA CLIQ® Remote's weatherproof padlocks, which have been fitted to a number of gates and car park barriers across the site. Meeting the highest rating for IP68, these padlocks are ideally suited to withstand harsh outdoor conditions, in applications that are exposed to the elements all the year round."

Aiphone provides their IX Series video intercom for a better communication link

A Southeastern U.S. company operating rock and asphalt quarries required a reliable, simple, and cost-effective way for truck drivers and dispatchers to communicate, often while in different states. Aiphone IX Series IP video intercoms provide an instant sight-and-sound connection via the company network.

After loading their trucks at one of 10 Southeastern U.S. rock and asphalt quarries, drivers are required to stop at scales, weigh their loads, and check in with quarry dispatchers. Not all quarries had on-site dispatchers, sometimes the nearest dispatcher might be more than 100 miles away.

For years, the quarries used IP-based video cameras to allow dispatchers to record licence plates and other truck information and landline telephones to talk with drivers. But some drivers new to a quarry didn't see the phone and would sit and wait as the lineup to use the scales grew longer. The almost constant line of trucks also made it difficult for a dispatcher to step away from the desk, even for a few minutes.

Noise from the trucks' diesel engines and nearby quarry operations made communication difficult. And dispatchers required ad-

ditional phone lines in order to talk with one another. Connect truck drivers and dispatchers with an easy-to-use, networked communications system that could stand up to an often harsh, and always noisy environment. Requirements of the Quarries were as follows.

- An intuitive system simple for all drivers to use, including those making their first visit to a quarry
- The ability to connect drivers with any currently available dispatcher on the company network
- A system able to operate outdoors in extreme heat and cold while delivering powerful, clear audio

"The same Aiphone IX Series system intercoms are used to connect the dispatchers to each other, alleviating the need for several telephone lines. Our customer hadn't even asked for that," says Rex Free, President, Amber Video & Audio Services.

"From my standpoint, there is nothing more pleasing than working with a company that supports you. The fact I can pick up the phone and talk to somebody that knows what I do, is great," said Rex.

The Aiphone IX Series video intercom provided the necessary

communications link. Dispatchers gained additional video information, while accepting or initiating calls to walk drivers through the weigh-in process.

Calls from a quarry can now be handled by any dispatcher on the network — no matter how far away. Before leaving their desks, dispatchers can set stations to transfer calls to another office to avoid delays in processing drivers. To overcome ambient noise, the quarries' systems integrator, Amber Video and Audio, added an amplifier and horn speaker to the first installed IX Series intercom.

However, the extra equipment was eliminated from future installations as the intercoms provided sufficient volume on their own. Also, the stainless steel IX Series models stood up to the rugged environment including limestone dust, extreme temperatures, and even the occasional grazing from a truck side view mirror. As an added plus, the integrator suggested dispatchers use the IX Series intercoms to communicate with one another, resulting in the elimination of several costly telephone lines. The systems have performed so well there are plans to add more locations to handle intercompany communications.



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Genetec safeguards RB Bank data centres



Reiknistofa Bankanna (RB) is a provider of mission-critical IT systems for Icelandic financial institutions, responsible for the country's central clearance and settlement system and a number of multi-tenant core banking solutions. It also operates an e-invoicing and e-payment system for corporates and consumers.

It is jointly owned by the three main Icelandic banks, two saving banks, the Icelandic Savings Bank Association, and the three main payment card processors in Iceland. RB's clients are the Central Bank of Iceland and other financial institutions as well as the government and public entities. With solutions operated in multiple data centres and in a shared multi-bank environment, RB sought a flexible technology partner that could ensure the highest levels of operational security, cost efficiency, and resilience.

RB had traditionally protected its data centers and offices via disparate video and access control systems. These siloed technologies must be operated and maintained separately, creating a convoluted and inefficient user experience. They were also very old, and maintenance was becoming both a financial and an operational issue. Sourcing reliable technical support and compatible hardware when something went wrong were becoming increasingly difficult, with replacement parts often taking at least two weeks to arrive.

Something needed to change to prevent the corresponding disruptions to security and operations. Upon inheriting responsibility for the security infrastructure Geir Sæmundsson, Datacentre Manager at RB set out a clear vision for the requirements across all of RB's facilities.

RB required a modern, reliable system that brought video and access control into a single solution – all displayed easily for operators to understand what was happening, when; to provide business-wide value. Mr. Sæmundsson, therefore, approached Hafliði Jónsson, a security consultant to advise on the enabling technologies that could best support these ambitions. Upon consultation, it quickly became apparent that a Genetec solution, driven by Security Centre 5.9 was the optimal choice.

As an open platform, with native video and access control capabilities, it could simplify daily security operations and allow for further integration with other tools such as RB's heating and cooling systems. Furthermore, it would enable RB to undertake a phased evolution of its infrastructure, relieving budget pressures without delaying implementation timelines. For example, RB initially retained all of its existing security cameras and is upgrading to newer more sophisticated Mobotix devices over a period of 3 years.

"From day one we wanted a unified system which could help our teams understand the situation, quickly; alerting them if anything required their attention. The Genetec solution does just this and is allowing us to build in customised alerts so we gain business intelligence – providing us with better ROI." – Geir Sæmundsson, Datacentre Manager at RB.

Since bringing its security solutions under one system, RB has been able to provide operators with customised dashboards that quickly alert them to matters requiring their attention. For example, an unauthorised

access attempt or sudden rise in temperature inside the data centre generates a notification within the Security Centre for an employee in the monitoring room to respond to and investigate. The ease of the transition and the ease of use of the solution means that RB is planning to install the Genetec solution into its offices soon also, as the business is keen to have one solution across all of its buildings – yet are compatible with a range of integrated technologies.

Direct communication fuelling a brighter future has been immensely successful, and RB is looking ahead to a bright future with Genetec. The process of implementation and configuration was shorter than anticipated and as a fully cloud-based system, the process of adding new devices or facilities to the network has proved very straightforward.

One year into its operation RB is running its system autonomously with little need to call in external support. One of the key reasons for this is the ability of RB and its system integrator Hafnes Ehf to communicate directly with Genetec rather than having to go through a third party – as was the case with its previous security platform. "Given the high-security requirements of RB's data centres I was keen to cut out any middlemen to ensure any integration issues could be more quickly and easily resolved" commented system integrator Hafliði Jónsson.

"RB has saved a lot of time and money as this direct relationship gives RB much more control." Geir Sæmundsson, Datacentre Manager at RB, commented, "The time savings delivered by Genetec has been immense. The fact it's plug and play, and therefore up and run-

ning in a matter of hours is fantastic. Added to the fact it's easy to install and we get lots back from the system, it's been a worthwhile investment, especially as it can evolve with us, and allows us to move at our chosen speed." With the initial requirements met, RB is now exploring ways to extract further value from its unified platform.

Next on the roadmap is the introduction of Genetec ClearID that will streamline the process of managing facility access

requests and automate the creation of monthly client access reports. Making use of the access control infrastructure already in use throughout the facility, Genetec ClearID allows authorised visitors to easily request and be granted appropriate access in line with RB's security and compliance policies and the individual's access rights.

With the roll-out of the unified Genetec platform also expected to extend to future data centers and RB's offices, it seems

the partnership is set to go from strength to strength. "RB is the backbone of Icelandic Financial Services. We can't afford to have security breaches or downtime, as it's not just us that will be affected. We needed a failsafe solution, and so far, Security Center and Genetec have enabled this. Considering its ease of use, deep integration, and leading analytics, we look forward to continuing the partnership over years to come", concluded Sæmundsson.

Johnson Controls fixes up bank's security & surveillance needs



A fast-growing regional financial institution, referred to in this case study as the Bank, was interested in improving security performance and reducing security-equipment related service costs. To accomplish these goals, the Bank turned to Johnson Controls to implement scalable, common standards of security technologies throughout their facility network.

"When Johnson Controls first began supporting the Bank's security requirements, it was apparent that their performance in helping other top tier institutions apply security technology standards was a key factor to this customer," said Sal Panarello, national account manager for the Bank. "Not only did we have the project management and installation resources to efficiently upgrade all of the Bank's alarm and video surveillance systems, but our 200-plus service offices put Johnson Controls well within the Bank's requirement of one-to-four hour service response for each branch in their footprint," Panarello added.

Johnson Controls replaced the Bank's under-performing analog (VHS) CCTV surveillance equipment with IP-enabled digital video systems. "Our project installation teams have specified and implemented video management

systems for some of the largest banking networks in the country," said Mike Yankovich, senior manager, Project Installation, one of three dedicated field project managers assigned to the Bank's multi-person support team.

"We upgraded the Bank, region after region, following a regiment of installation, programming, testing and training that met the customer's and Johnson Controls' strong standards. We completed this phase of the project within budget and under the customer's aggressive deadline," Yankovich added.

The Bank's surveillance coverage typically includes ten points per banking center: 4 station teller lines, 2 front door/vestibules, branch exit door, vault, ATM monitoring and main lobby profile. In addition, the Bank's upgraded video recording system can now maintain a minimum of 90 days of compressed digital image storage capacity for every banking center, which allows specific digital images to be accessed in only seconds.

Other benefits of the Bank's new video management system include:

- Common surveillance technology standard for easier employee training and operation
- Remote image accessibility and transmission

- Capacity to help reduce false alarms through video verification notice
- Ability to network all DVRs with IP compatibility to one central station
- More precise and versatile surveillance operations throughout the enterprise
- Reduction in surveillance service cost

"By anticipating the next business requirements of growing financial customers like the Bank, Johnson Controls was able to deliver ongoing security solutions that address customer needs today and for the future," concluded Sal Panarello. "Of all the important things we do for this customer, the metric we are most proud of is the 90+% satisfaction ranking the Bank has awarded our teams for overall performance."

Johnson Controls was also contracted to replace and upgrade the Bank's varied facility alarm panels with a common, open architecture alarm panel for all their banking centers and ATMs. IP-compatible digital alarm panels were installed by Johnson Controls in all Bank branch facilities. This allows alarm signals to communicate on the Bank's IP network at far less cost than on dedicated phone lines.

"Johnson Controls also configured and supplied the front-end alarm monitoring systems for the Bank's three redundant command centers. They provided a turnkey solution, which included a master service agreement for the entire alarm network," commented Panarello.

6 Ways for Hotels to improve Fire Safety



In the US an estimated 3,900 hotel and motel fires occur each year resulting in \$100 million in property damage, 100 injuries and 15 deaths according to the Federal Emergency Management Agency. Identifying and correcting these six issues will help ensure the safety of your guests and property in case of a fire emergency.

1. Test Alarms and Conduct Fire Drills

Fire alarms often are considered the most critical element of a hotel's safety system. When an alarm sounds, the occupants immediately know a potential danger exists and evacuation is necessary.

Hotel management should have employees conduct regular tests of the fire alarm system. Most systems can be tested through the control panel. Set your control panel to test mode, meaning it will not call the fire department, and press the button again to set off the alarms. For other systems you may need to activate the alarms manually by opening an alarm lever box with a master key and pressing the button within. Record your results of the test, keeping a list of every activating device and how it reacted to the test. If one or more alarms are faulty, this information will help a technician locate the problem quickly. When testing the alarms, it is recommended you also conduct a fire drill.

Hotel managers should conduct quarterly fire drills for staff as part of the company's emergency action plan. Hotel guests are not required to participate in these sessions. These drills allow employees to practice evacuating the building and show areas in the plan that might need improving. Fire drills are not mandated by state or federal law but it is still

recommended to conduct them regularly to ensure public safety at your hotel.

2. Communicate Your Emergency Action Plan

Hotel management must provide written emergency action plans for employees to ensure everyone knows the exit routes and what fire emergency procedures are in place.

Emergency action plans should cover designated actions employers and employees need to take to ensure their safety during fire emergencies, according to the Occupational Safety and Health Administration. These actions include directing guests to the nearest exits and helping people in compromised situations exit the building. Management needs to ensure all employees understand fire-suppression procedures and escape routes to be followed by each location in the hotel. Evacuation route signs also need to be posted by the door in each guestroom.

Management is required to review the emergency action plan with each employee at certain times, including when the plan is developed, when an employee's responsibilities change and when the plan changes.

3. Keep Fire Extinguishers Close

Multipurpose extinguishers rated class A, B and C, capable of putting out small fires involving wood, paper, oils and gases, are required in hotels. Extinguishers need to be placed 75 feet apart throughout the building, according to OSHA guidelines. Guestrooms are not required to have fire extinguishers, but extinguishers should never be farther than 75 feet away in the hallway for a guest to retrieve if needed.

Make sure your fire extinguishers are at the proper weight or gauge limit. This information can be found on the label located on the side of the extinguisher. Replace or recharge your extinguishers if they are not at the required levels and after every use.

4. Maintain Exit Signs

Maintain the exit lights in your hotel. During a fire, conditions can be chaotic and confusing. Smoke can obscure vision and make it difficult to navigate your surroundings. Illuminated exit signs make it more likely people will be able to see where to go and get out of the building.

Exit signs are designed to switch to emergency power when they no longer receive electricity. These lighted signs need regular testing by the hotel management to ensure proper operation. Often this involves pressing the test button on the side of the sign to ensure they correctly switch to the standby power source.

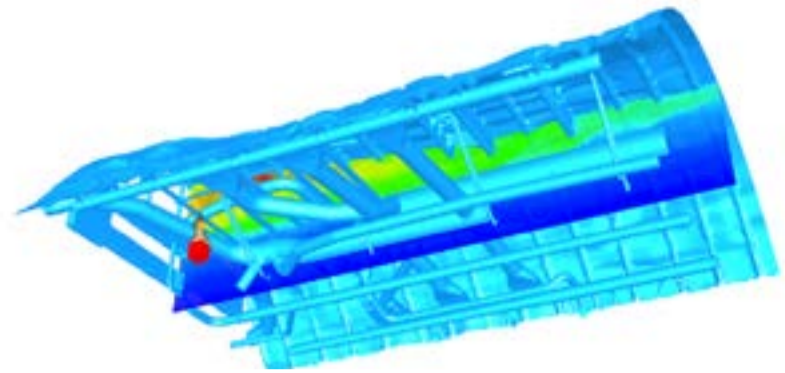
5. Declutter Walls and Doorways

Hotel managers need to make sure their employees are aware of the amount of wallcoverings in the hallways and guestrooms. Large bulletin boards covered in paper, business areas with scattered documents and entryways with multiple pamphlets on the surrounding area's activities are high-risk fire areas. A small flame can potentially turn these areas into an uncontrollable fire.

6. Hold Regular Inspections

A hotel should have its lights, alarms, extinguishers and sprinklers inspected every year. Many hotels neglect their annual services. Neglecting your fire-safety system can cause the equipment to erode over time resulting in faulty equipment.

New fire-simulating tool could improve in-flight fire safety



Some of the most dangerous fires are the ones you don't see coming. That goes not only for fires in buildings but for those kilometers off the ground, aboard commercial airliners. Many aircraft have systems to detect fires early on, but fires that spark in their attics, or overhead compartments -- spaces with curved ceilings, filled with air ducts, electrical wiring and structural elements, could potentially sneak past them.

"Attic fires are less likely to occur than elsewhere in a plane, but they are hard to detect," said Haiqing Guo, a contract fire research scientist at the Federal Aviation Administration (FAA). "By the time you see it, it's too late."

Fire detector placement in overhead compartments is particularly challenging for fire protection engineers as it is unclear how to predict where smoke will travel amid the irregularly shaped clutter. A fire-simulating computer model developed at the National Institute of Standards and Technology (NIST) could now offer some much-needed guidance thanks to recent updates. In a new study, a team of NIST and FAA researchers tested the tool against a real-world scenario, where fires burned inside a grounded airliner, and found that the software closely replicated measured temperatures and correctly identified hot spots in the attic.

NIST's Fire Dynamics Simulator, or FDS, simulates the flow of heat and smoke produced by fires. Since its launch in 2000, the software has been used by engineers across the globe to design fire protection systems for buildings and for forensic reconstructions of real-life fires. In both cases, engineers use the software to learn how a fire would or

did burn without having to perform full-scale tests first, which are costly and sometimes impractical to run.

FDS can reliably model the behavior of a fire in the presence of flat surfaces and block-like objects. This capability is good enough for the lion's share of scenarios, as most rooms are rectangular in shape. But curved surfaces, such as uneven terrain outdoors or the ceilings of trains and planes, have sometimes thrown the software for a loop.

To manage this limitation, engineers using past iterations of FDS would approximate curved surfaces with small boxes, but a new version can do better. A recent update allows FDS to understand smoother surfaces made of triangles, bringing its simulations closer to reality in certain cases.

While researching aircraft fire safety at FAA, Guo became intimately familiar with the puzzle of detecting attic fires. Upon learning of FDS and its new capabilities, he believed he had found a tool that could help crack the case, and he reached out to NIST's fire researchers.

NIST and the FAA formed a team to test the software by comparing its simulated data to real data collected in the overhead space of a commercial airliner parked at the FAA William J. Hughes Technical Center. The team placed a gas burner in either the front or rear of the space and, with five firefighters on standby, lit a small flame, which represented an attic fire in its earliest stages. They also arranged 50 temperature sensors throughout the space to capture how the hot smoke traversed the attic's complex terrain.

The study's authors produced a map of the overhead compartment via Light Detection and Ranging, or lidar, a tech-

nique that employs laser light to measure distances in three dimensions. With the lidar information as a blueprint and hundreds of thousands of triangles as digital building blocks, they constructed a digital version of the space as a setting for the FDS simulations.

The team ran and compared both the experiments and simulations, finding a general agreement between the two. A layer of hot gas took shape near the ceiling in both scenarios, with the same pockets of hot air having formed between the metal ribs that lined the ceiling above the gas burner. The initial jumps in temperature occurred at almost the same time between data sets. The temperature values themselves were similar too, with the simulated heat near the ceiling landing within 5°C of the measured values on average.

"This level of disagreement between model and experiment is typical for full-scale tests, so the model results are reasonable," said NIST chemical engineer Randall McDermott, a co-author of the report. "Ultimately, our goal is to be within experimental uncertainty. So, a bit more work is needed to track down the sources of error in this particular case."

These results show that the new FDS can capture several traits of a real overhead compartment fire and suggest it could, with further development, become a reliable tool for fire protection engineers designing aircraft systems in the future. The team seeks to take FDS down that path, testing it against fires in differently shaped attics and examining whether the tool can replicate other aspects of fire in these spaces, such as smoke concentration, another important metric for fire detection.

Further down the

road, the researchers say FDS could be useful for learning not only how to detect fires, but how to put them out as well. By modeling fire suppression systems, such as fire sprinklers, engineers could

gather valuable details about how to extinguish or slow the spread of fires. FDS may also demonstrate how prospective fire suppression agents would flow and mix with smoke in irregularly shaped spac-

es. Performing these virtual tests would help researchers to identify new chemicals or systems well suited for the job and provide insights on how to best implement them.

In 2 yrs, over 100 fires in Delhi hospitals, nursing homes



In a little over two years, Delhi has seen over 100 fires in centres offering healthcare and medical services, including but not limited to hospital buildings, pharmacies and dispensaries, the latest data compiled by the Delhi Fire Services has now shown. On March 31, a massive blaze had forced hospital staff and fire officials to quickly evacuate as many as 50 patients in a medical ward of the Safdarjung Hospital, including five in critical care. While no fatalities were reported in this fire, which started as a result of a short circuit, much equipment was damaged. In fact, both data and fire officials are consistent that the most basic cause of these fires is a short circuit.

According to the DFS's data, firefighters attended 66 fire calls in hospitals, nursing homes

and dispensaries throughout 2019. This number had dropped to 38 in the following year. But this year, the DFS has already received half a dozen fire calls from hospitals and healthcare centres. According to fire officials, "Evacuation and firefighting in the initial stages of a fire is a key to survival and its significance only increases when occupants of a building are patients." The data further shows that more than 85 people were rescued safely in these two years from these incidents.

"In 2019, five people, 2020, thirteen people and in the current year till March more than sixty five people were safely rescued from institutions," the data showed. Only one fatal fire was reported at such an institution in 2020. An official had earlier said that the wiring of a house or other institu-

tions needs to be replaced when electrical appliances increase as outdated wiring cannot handle the growing number of electrical appliances and an overload can cause a fire quite easily. As per the official, while undertaking rescue work at hospitals, they take proper precautions to ensure the safety of patients and ensure that they are removed to a safe place as soon as possible.

Mr. Atul Garg, the Director of Delhi Fire Services, said it would be in the public interest that all occupants and employees of nursing homes and hospitals undergo at least the basic fire safety training to keep themselves acquainted with the evacuation and fire fighting process in cases of emergencies. Recently, the DFS had proposed to conduct a half-day basic firefighting training programme at the Fire Safety Management Academy in Rohini. They had advised the owners of nursing homes and hospitals to nominate their staff either directly or through their respective associations for their basic firefighting training. One official said the training had started at the academy.

Fire Sector Federation strategy work focuses on evolving fire safety risks

The Fire Sector Federation in the UK is now beginning work on developing a strategy document designed to help predict the key evolving fire safety risks over the next 20 years and link them to action that's needed right now in order to best mitigate future impacts.

Developed in partnership with the National Fire Chiefs Council (NFCC), the initiative is part of the Federation's future planning workstream. It aims to set out a route map to provide the Government and the fire

sector itself with recommendations that will minimise the impact of new and evolving risks likely to affect our society by the year 2040. The Fire Sector Federation and the NFCC have already undertaken a number of workshops with members to kick-start thinking and knowledge sharing that will inform the strategy and, ultimately, protect communities.

Mr. Dennis Davis, Executive Officer at the Fire Sector Federation, says "All-too-often, our fire strategies are responses

to major tragedies when the drive for change is set to avoid the likelihood of a repeat. Our initiative wants to avoid that way of learning by developing thinking and knowledge sharing to inform preventative preparations now."

Davies continued: "How people live, their health, wealth and well-being and the significance of the built environment, climate change, technological development and societal shifts in economic and political influence are all risk factors as we look ahead. Fur-



ther, the UK's population growth is predicted to be among the highest in Europe with an increasingly higher proportion of older people."

Davies went on to state: "The significant changes in society need foresight if those who seek to protect communities from critical risks are to be successful. This requires a sophisticated, integrated and informed community. One that's able to adapt, mitigate and manage fire and those other associated safety risks."

Ben Brook, assistant chief fire officer at the Warwickshire Fire and Rescue Service, is repre-

senting the NFCC on the Foresight programme. He observed: "We're seeing rapid change across society and the environment and it's vital that we understand and put in place mitigation plans now rather than waiting for new risks to become tragedies."

Further, Brook observed: "One of the key drivers for success will be the ability to share data across the fire sector. There's a wealth of knowledge and expertise across the sector which can inform an effective strategy to mitigate future risk. Some of these sources of data include the State of Fire Report and its recommendations, the

forthcoming White Paper on fire sector reform, the NFCC's own 'Fit for the Future' document and the Government's own Spending Review."

Brook concluded: "We've made good early progress in identifying those areas of greatest risk. The strategy itself will have a crucial role in setting out the most effective course of action to mitigate those risks."

The Fire Sector Federation aims to publish its strategy later on this year. In the meantime, the organisation would like to hear from anyone in the sector who would like to contribute to the document. The Fire Sector Federation seeks to give voice to (and exert influence in) shaping future policy and strategy related to the UK's fire sector. The Federation is a not-for-profit, non-Government organisation established to act as a forum for the benefit of its membership and to evolve as a central source of information on all aspects relating to fire.

Aico selected as alarm supplier to UK Fire and Rescue Service



Aico, a leader in domestic fire and Carbon Monoxide (CO) protection has been selected as a supplier of smoke, heat and CO alarms for the West Midlands Fire Service Framework, which is set to be available to all UK Fire & Rescue Services, subject to contract. In a move designed to standardise requirements as outlined in regulations, the West Midlands Fire Service Framework will facilitate the procurement of fire and CO alarms for all UK FRS.

This opportunity comes in the wake of a new campaign by Aico to increase support to the Fire and Rescue Service across the UK. The campaign launched in September 2020 with the focus of offering increased support to each of the 52 Fire and Rescue Bri-

gades in the UK, through the provision of Aico's FIA-approved CPD training based on BS 5839-6:2019, use of Aico's mobile training and demonstration units and access to office space at its Centre of Excellence, as well as homeowner and tenant safety packs.

Mr. Paul Cartwright, Aico National Accounts Manager says "It is fantastic that we can now offer the same level of support and the same quality product to our FRS for their safety work with the general public. We aim to be the number one supplier to the FRS moving forward and intend to bring a level of support to the contract that has never been seen before."

"When safe to do so, we will be making our team of 23 supportive Regional Specification

Managers and our four mobile training units available for use by the FRS, offering free FIA CPD training to any service employees. The mobile units can also be used for awareness and engagement events where needed.

"Every product Aico will supply to the contract will be individually tested at least four times before leaving our factory in Ireland, ensuring every alarm works as designed, to sit on the ceiling silently protecting occupants for a full 10 years.

"Our innovative SmartLINK system has been adopted by over a hundred social landlords across the UK and we are very pleased that West Midlands Fire & Rescue Service has extended the Framework to provide for future technology. SmartLINK is now available through the Framework for the FRS to deliver additional protection for the most vulnerable in society, providing a simple GSM Gateway connected system for occupants and their families and carers."

New markets for AI-powered smart cameras in 2021

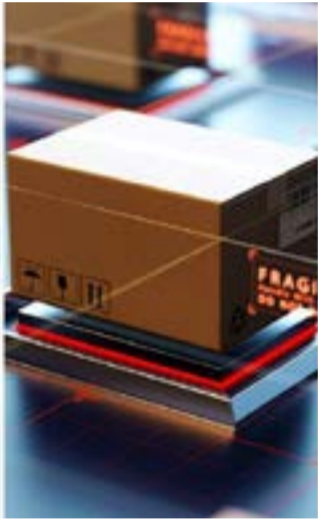


Organisations faced a number of unforeseen challenges in nearly every business sector throughout 2020 – and continuing into 2021. Until now, businesses have been on the defensive, reacting

as business or operational optimisation, uses – all on a single camera. As the applications for video analytics become more and more mainstream – providing valuable insights to a variety of industries – 2021 will be a year to explore new areas of use for AI-powered cameras.

Surveillance and monitoring technologies are

arisen in the transportation and logistics sector, with the industry experiencing global growth. While security and operational requirements are changing, smart surveillance offers an entirely new way to monitor and control the physical side of logistics, correcting problems that often go undetected by the human eye, but have a significant



to the shifting workforce and economic conditions, however, COVID-19 proved to be a catalyst for some to accelerate their long-term technology and digitalisation plans.

This is now giving decision-makers the chance to take a proactive approach to mitigate current and post-pandemic risks. These long-term technology solutions can be used for today's new world of social distancing and face mask policies and flexibly repurposed for tomorrow's renewed focus on efficiency and business optimisation. For many, this emphasis on optimisation will likely be precipitated by not only the resulting economic impacts of the pandemic but also the growing sophistication and maturity of technologies such as Artificial Intelligence (AI) and Machine Learning (ML), technologies that are coming of age just when they seem to be needed the most.

Combined with today's cutting-edge computer vision capabilities, AI and ML have produced smart cameras that have enabled organisations to more easily implement and comply with new health and safety requirements. Smart cameras equipped with AI-enabled intelligent video analytic applications can also be used in a variety of use cases that take into account traditional security applications, as well

offering value to industries such as agriculture by providing a cost-effective solution for monitoring of crops, business assets and optimising production processes. As many in the agriculture sector seek to find new technologies to assist in reducing energy usage, as well as reduce the environmental strain of modern farming, they can find an unusual ally in smart surveillance. Some niche farming organisations are already implementing AI solutions to monitor crops for peak production freshness in order to reduce waste and increase product quality.

For users who face environmental threats, such as mold, parasites, or other insects, smart surveillance monitoring can assist in the early identification of these pests and notify proper personnel before damage has occurred. They can also monitor vast amounts of livestock in fields to ensure safety from predators or to identify if an animal is injured. Using video monitoring in the growing environment as well as along the supply chain can also prove valuable to large-scale agriculture production. Applications can track and manage inventory in real-time, improving knowledge of high-demand items and allowing for better supply chain planning, further reducing potential spoilage.

New challenges have

impact on the overall customer experience.

Video analytics can assist logistic service providers in successfully delivering the correct product to the right location and customer in its original condition, which normally requires the supply chain to be both secure and ultra-efficient. The latest camera technology and intelligent software algorithms can analyse footage directly on the camera – detecting a damaged package at the loading dock before it is loaded onto a truck for delivery.

When shipments come in, smart cameras can also alert drivers of empty loading bays available for offloading or alert facility staff of potential blockages or hazards for incoming and outgoing vehicles that could delay delivery schedules planned down to the minute.

For monitoring and detecting specific vehicles, computer vision in combination with video analysis enables security cameras to streamline access control measures with license plate recognition. Smart cameras equipped with this technology can identify incoming and outgoing trucks – ensuring that only authorised vehicles gain access to transfer points or warehouses.

Smart surveillance and AI-enabled applications can be used to ensure compliance with organisational or regulatory

safety measures in industrial environments. Object detection apps can identify if employees are wearing proper safety gear, such as facial coverings, hard hats, or lifting belts. Similar to the prevention of break-ins and theft, cameras equipped with behaviour detection can help to automatically recognise accidents at an early stage. For example, if a worker falls to the ground or is hit by a falling object, the system recognises this as unusual behaviour and reports it immediately.

Going beyond employee safety is the ability to use this technology for vital preventative maintenance on machinery and structures. A camera can identify potential safety hazards, such as a loose cable causing sparks, potential wiring hazards, or even detect defects in raw materials. Other more subtle changes, such as gradual structural shifts/crack or increases in vibrations – ones that would take the human eye months or years to discover – are detectable

by smart cameras trained to detect the first signs of mechanical deterioration that could potentially pose a physical safety risk to people or assets.

Early recognition of fire and smoke is another use case where industrial decision-makers can find value. Conventional fire alarms are often difficult to properly mount in buildings or outdoor spaces and they require a lot of maintenance. Smart security cameras can be deployed in difficult or hard-to-reach areas. When equipped with fire detection applications, they can trigger notification far earlier than a conventional fire alarm – as well as reduce false alarms by distinguishing between smoke, fog, or other objects that trigger false alarms.

By digitising analogue environments, whether a smoke detector or an analogue pressure gauge, decision-makers will have access to a wealth of data for analysis that will enable them to optimise

highly technical processes along different stages of manufacturing – as well as ensure employee safety and security of industrial assets and resources.

Looking forward to the future of smart surveillance

With the rise of automation in all three of these markets, from intelligent shelving systems in warehouses to autonomous-driving trucks, object detection for security threats, and the use of AI in monitoring agricultural crops and livestock, the overall demand for computer vision and video analytics will continue to grow. That is why now is the best time for decision-makers across a number of industries to examine their current infrastructure and determine if they are ready to make an investment in a sustainable, multi-use, and long-term security and business optimisation solution.

Credits: Security & Safety Things

Hybrid working and the threat of desk data



The transition to remote working has been a revelation for many traditional office staff, yet concerns over data security risks are rising. Mark Harper of HSM explains why businesses and their remote workers must remain vigilant when it comes to physical document security in homes.

Pre-pandemic, home offices were often that neglected room in people's homes. But now things are different. After the initial lockdown in 2020, 46.6% of UK workers did some work at home with 86% of those doing so because of the pandemic. Since then, many have found that over time, those semi-permanent workspaces have become slightly more permanent – with official

hybrid working coming into effect for an assortment of businesses and their teams. The adoption of hybrid working can in fact be seen as one of the few positives to come from the pandemic, with less travel, more freedom and higher productivity top of the benefits list for businesses and their employees.

But those welcomed benefits don't tell the whole story. The transition to remote working has undoubtedly impacted workplace security, with various touch points at risk. The handling of sensitive documents for example, is a growing concern for office managers. In simpler times, sensitive data was more or less contained in an office space, but with

millions of home setups to now think about, how can businesses and their office managers control the issue of desk data?

As of January 2021, it's said that one in three UK workers are based exclusively at home. That's millions of individuals from a variety of sectors, all of which must continue in their efforts to remain data secure. With that, reports of cyber security fears are consistently making the news but that shouldn't be the sole focus. There is also the underlying, but growing, issue of physical document security.

The move to remote working hasn't removed these physical forms of data – think hard drives, USBs and paper based

documentation. A recent surge in demand for home printers for example, only exemplifies the use of physical documents and the potential security issues home offices are facing. Adding to that, research conducted in 2020 found that two out of three employees who printed documents at home admitted to trashing those documents both in and outside of their house without shredding them.

Those findings present a huge data security concern, one that must be fixed immediately. The Information Commissioner's Office (ICO) has since released guidance for those working from their bedrooms and dining tables. Designed to help overcome these challenges, the 'security checklists' and 'top tips' should be the first port of call for many. Yet throughout, the ICO makes reference to 'following your organisation's policies and guidance' – highlighting that the onus isn't solely on the individuals working from their makeshift offices. Office managers have a monumental task on their hands to ensure teams are well equipped within their home setups. Without the right equipment, policies and guidance, businesses are sure to be at risk. But it would be wrong to insinuate that unsecure desk data has only now become an issue for organisations.

Keeping clear desks has long been a battle for many office managers. In fact, clear desk policies are practised in most modern office spaces, with it being recognised as a key preventative to personal information being wrongly accessed and so falling foul of GDPR legislation.

However, the unsupervised aspect of home working has led to a potentially more lax approach to these policies, or in some cases, they can't be followed at all. For those taking a more laid back approach, organisation leaders must remind staff of their data security responsibilities and why clear desk policies have previously proven effective. Ultimately, throwing sensitive documents in the bin was never an option pre-pandemic and this must be carried through to home workspaces now.

There are also concerns over the equipment people have access to at home. For example, without a reliable home shredding solution, data security suddenly becomes a tougher task. To add to that, several recommendations state that employees working from home should avoid throwing documents away by instead transporting them to the office for shredding once lockdown rules ease.

While this is an option, it does pose further issues, with document

security at risk of accidental loss or even theft throughout the transportation period, not to mention the time spent in storage. The best and most effective way to securely destroy documents is at the source, especially in environments where higher levels of personal data is regularly handled.

Only when home workers implement their own clear desk policies alongside the correct shredding equipment (at the correct security level), can both home office spaces and regular offices become data secure. Realistically, these solutions should, like the common home printer, become a staple in home office spaces moving forward.

The likelihood is that many UK workers will remain in their home offices for the foreseeable future, only to emerge as hybrid workers post-pandemic. And while the current working environment is more ideal for some than others, the recent findings on home office behaviour represent a true security risk to organisations. With this in mind, it's now more key than ever for business leaders, their office managers and homeworkers to all step up and get a handle on home data security policies (as well as maintaining their standards back at the office) – starting with the implementation of clear desk policies. After all, a clear desk equals a clear mind.

creates major challenges for tracking and securing parcels effectively. This is especially the case during manual steps in the parcel delivery process, such as opening boxes to conduct quality control checks, and packing parcels for delivery to customers' addresses.

This is because manual processes inevitably introduce an element of risk into the parcel delivery process. Errors can occur, for example, leading to lost or misdirected parcels. Additionally, manual interventions in the supply chain may increase the risk of lost inventory, especially where effective monitoring systems and processes are absent.

The question for logistics providers processing thousands – or even tens of thousands – of parcels a day, is how to minimize the risk of errors and loss of goods across the entire, end-to-end delivery process.

Track each and every one of your parcels with digital technology

Using a combination of digital technologies, it's now possible to monitor goods as they flow through your facility in real time. In particular, smart video cameras can be connected to barcode scanners, allowing you to understand exactly where goods and parcels are located, and how they are moving through your facility.

By cross referencing data from cameras and scanners, you can quickly access footage of incidents, such as goods that are dropped or damaged. In the same way, you can identify goods that were damaged before they reached you, proving that your teams were not responsible for breakages.

The value of an end-to-end audit trail

By creating an end-to-end audit trail for every parcel, this kind of solu-

tion allows you to monitor your performance on an ongoing basis, and to make operational improvements that increase your productivity and throughput. Equally importantly, you can also find out exactly what happened to goods that are lost or stolen from your supply chain and take immediate action if required.

If goods are lost, for example, you can quickly cross reference time and date information from barcode scanners with video footage recorded by security cameras. You can then see exactly what happened, giving you clear evidence for later use.

Many times, of course, mistakes and issues are innocent, such as parcels stuck in joins between conveyor belts. However, with digital, end-to-end parcel tracking, these kinds of events are also fast and easy to spot, ensuring that you can meet your delivery SLAs.

How to track parcels in real time to boost performance and minimize lost goods



For logistics providers that pack, quality check, and deliver thousands of parcels every day, supply chain monitoring and security can be a major challenge. Fortunately, digital solutions now exist that create an end-to-end audit trail for every single parcel passing through your facility, helping you minimize lost goods and to meet your delivery Service Level Agreements (SLAs).

Since e-commerce has steadily been on the rise globally in recent years, many people prefer not to visit physical stores as usual, leading to a major boom in online shopping and home parcel delivery. This means there are unprecedented opportunities for e-commerce and logistics companies to expand their businesses and grow their revenues. However, success depends on increasing per-

formance and throughput, while also tracking and securing thousands of parcels a day as they head towards end-customers' addresses.

Why manual processes make parcel tracking harder

For many logistics companies, the sheer volume of goods passing through distribution and fulfillment centers

Cisco Secure unveils new passwordless authentication through security keys or platform biometric



Cisco introduces passwordless authentication by Duo, enabling users to skip the password and log into cloud applications via security keys or platform biometrics. Cisco Secure unveiled a new passwordless authentication by Duo. Duo passwordless authentication will enable enterprise users to skip the password and log into cloud applications via security keys or biometrics built into modern laptops and smartphones. The company says that innovation has been introduced as passwords could be compromised and difficult to manage, costing enterprises billions of dollars annually.

"Cisco has strived to develop passwordless authentication that meets the needs of a diverse and evolving workforce and allows the broadest set of enterprises to securely progress towards a pass-

wordless future, regardless of their IT stack," said Gee Rittenhouse, SVP and GM of Cisco's Security Business Group. "It's not an overstatement to say that passwordless authentication will have the most meaningful global impact on how users access data by making the easiest path the most secure."

Duo passwordless authentication is part of Cisco's zero trust platform, securing access for any user, from any device, to any IT application or environment. The product is designed to be infrastructure agnostic, paving the way to a passwordless future while ensuring that enterprises can protect any combination of cloud and on-premises applications without requiring multiple authentication products or leaving critical security gaps.

"Cisco is well-positioned to accelerate the adoption of passwordless authentication as enterprises seek to alleviate the password-related headaches that for years have plagued their users and IT teams," said Jay Bretzmann, Program Director for Identity and Digital Trust and Cloud Security, IDC. "While the transition will be a process for organizations due to legacy infrastructure, passwordless authentication is a key stepping stone to enabling a zero-trust security architecture and a feature that organizations must begin looking into."

Duo's security practices are built on ISO 27001, NIST's CyberSecurity Framework, and AICPA's Trust Service Principles and are designed to meet GDPR and other privacy laws around the world. Duo is committed to the highest level of security for its customers – both public and private, and currently holds SOC2 Type II, ISO27001:2013, ISO27017:2015, and ISO27018:2019 certifications, as well as being FedRAMP authorized.

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India
www.internationalpoliceexpo.com



UK
18-20 May, 2021
Security & Counter Terror
Expo - SCTX 2021
EXCEL, London
UK
www.counterterrorexp.com



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3-5 June, 2021
Security & Fire Expo -
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BIEC, Bengaluru
India
www.safeindiaexpo.com



USA
15-18 June, 2021
ESX Electronic Security Expo
Music City Centre
Nashville, TN
USA
www.esxweb.com



INDIA
8-10 July, 2021
FSIE 2021
Virtual Expo
India
www.fsie.in



UK
12-14 July, 2021
IFSEC International 2021
EXCEL, London
UK
www.ifsec.events/international



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12-14 July, 2021
FIREX International 2021
EXCEL
London
UK
www.firex.co.uk/en/home.html



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19-21 July, 2021
ISC WEST
Sands Expo Centre,
Las Vegas NV,
USA
www.iscwest.com



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21-23 July, 2021
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SMX Convention Center Manila,
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Pasay City, Philippines
www.ifsec.events/philippines



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The Fire Safety Event 2021
National Exhibition Centre - NEC
Birmingham
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www.firesafetyevent.com



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GSX 2021
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www.gsx.org/exhibit/



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USA
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NFSA Annual Conference and
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Las Vegas, NV, USA
www.nfsa.org/annual-seminar/



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