

SECURITY Update

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**For Manufacturers, Distributors, Dealers,
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Fire & Safety Systems.**

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TIWIIS 2022 honours the Top Influencers in its first physical event



For the first time since its inception the much sought after Top Indian Women Influencers In Security 2022, popularly known as TIWIIS, became a physical event with a large gathering interacting with the women in the security industry who have made a mark and have influenced not just women but also men in the industry. Held at the ITC's Fortune Select Hotel in Gurugram, the exclusive audience cheered as the names of the top 21 influencers were announced.

SECURITY TODAY's event has annually honoured these women while reiterating that all women in the industry are equally important but these were the ones who had made a mark as leading influencers. They have successfully broken barriers set by society, they have paved the way for greater equality and laid the path for more women to enter the field of security. Through sheer hard work, grit and determination they have not only set examples for other women but have earned the respect and admiration of their male counterparts too.

SECURITY TODAY Group Editor Mr GB Singh set the tone for the event by stating what everyone felt. He said that physical events have a special feel which was why this year's TIWIIS was special. Mr Singh

clarified that TIWIIS was not an awards event, but a recognition of women security leaders who inspire and influence, those who have broken barriers and set examples of exceptional roles in the security industry.

He again reiterated that every woman in the industry was a source of inspiration because they had broken the barriers and made a name for themselves, and TIWIIS merely honours and recognises some, every year.

Mr Singh's address was followed by the traditional lamp lighting following which the jury who had selected the special 21 were introduced. The jury for TIWIIS 2022 included Mr. Rajan Luthra- Head Special Projects, Chairman's Office, Reliance Industries Limited, Mr. Akhilesh Tuteja, Global Head Cyber Security & Partner KPMG, Ms. Bonnie Butlin, Co-Founder & Executive Director Security Partners' Forum, Ms. Vandana Verma, Security Relations Leader- Apj Chair- OWASP & Infosecgirls, Ms. Lekshmi Nair, Senior Managing Consultant & Route To Market Leader IBM Security, Apac & Emea, Mr. Paul Devassy, Regional Vice President, ASIS International, and Ms. Aman Singh, Associate Editor SECURITY TODAY, all leading and well known names in the private security industry.

As the Judges were introduced to the audience they received an applause from the large gathering.

Giving the background, Mr Singh said, "It was on the 8th of March 2020, on the International Women's Day that we had formally announced the Top Indian Women Influencers In Security recognition, just as the pandemic was setting in. Although we had planned the event to be physical, we had to ultimately settle for an online interaction. Dr. Kiran Bedi the then Hon'ble Lt. Governor of Puducherry had agreed to be our Chief Guest, and Smt. Meenakshi Lekhi, Hon'ble Member of Parliament had agreed to be our Guest of Honour. The event was held on 27th of August 2020. It was a huge success, with us receiving a record number of entries."

The first keynote speaker at the event was Mr. Rajan Luthra who insisted that winds of change had started blowing strongly in the security industry. He said the profile of women in security was steadily increasing, with many of them playing pivotal C-Suite roles, which bode well for the future of the industry.

Mr Luthra then went on to enumerate the traits of a security professional. He gave the example of Late Gen. Bipin Rawat, former chief of Defence staff, who he said was a perfect example of a leader. "It is essential for a good security leader to have integrity, mindset, interpersonal skills and be action oriented. A security leader needs bold leadership skills," he said. Mr Luthra also opined that



as a nature women have better inherent capabilities which should help them rise faster whereas men have to hone these capabilities.

Mr Luthra also said that women were slowly and steadily beginning to break free and rise. "We have the largest number of female pilots in the world. Women's strength in cyber security has gone up from 11 percent to 24

percent in five years. This is something to be proud of," he said. He said the multiple professional opportunities were now emerging for women.

Mr Luthra said that in spite of the growth, it was still required that further efforts were made to enhance the role of women security professionals in the industry. Mr Luthra said this could be done by mentoring for which a women security professional needed to be eager to learn.

"It is also important to show confidence. Demonstration of confidence goes a long way in career development. Women should be constantly desirous of training further, rather than be satisfied with what they have achieved. It is also important to have the talent

of de-escalation...which means the ability to stay calm while working under pressure and in times of crisis. This will help them in accepting challenges and keep growing," he said.

Mr Luthra emphasised the traits that security professionals should have



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Dear Reader

As the physical security systems industry continues moving towards increased integration of technologies and a solutions based approach to mitigate risks for their customers, a new trend of manned guarding companies diversifying into electronic security solutions can be seen in India. Large security companies such as SIS, Peregrine, AP Securitas, and G4S and others had set up 24x7 Monitoring Centres to not only monitor the movements of their own guards but to also monitor the video feeds coming in from the CCTV cameras at their customer sites, a few years ago. The trend has hastened to offer protection solutions based around the fusion of trained manpower with technology to their clientele.



While the traditional electronic security systems have continued their trend of converging video surveillance, access control, intrusion and fire detection with IT security over the years, a new approach, possibly hastened by the rising minimum wages, the pandemic, and other factors where human guards and security technology work in tandem and projected to deliver better value to the customer has been the recent trend. Clients too aren't keen to incur capital expenditure on security hardware or software – what they really want is to reduce their risks and prevent losses.

In North America and elsewhere recent active shooter incidents, domestic police shootings, terror attacks and rampage violence incidents have led to newfound concerns among facility owners and operators—causing many to take a second look at their current security programs to determine if appropriate measures are in place.

At the same time, the costs of security personnel, which typically comprise the largest portion of a monthly security budget, continue to rise, thus putting pressure on finding new ways of reducing these costs. The need for increased security and the desire of many organisations to reduce personnel costs for an operational guard force have collided to create the perfect security storm. And this storm coupled with the covid induced protocols could actually threaten the safety of those facilities even more.

Michael Bendis, CPP, a security consultant, says that given recent advances in security technology—specifically the ability of equipment to perform or greatly assist traditional guard functions, many facility owners and operators see increasing its use as a possible solution. Like everything in life, moderation and balance are key to a successful security program. Hence, there is the security triangle—a calculated combination of Physical (locked doors, window bars, etc.), Operational (on-site guards), and Systems (security technology). There is no prescribed amount regarding how much each of these three must be maintained to achieve optimal security. Each facility executive needs to determine his or her percentages based on their own distinct threats, risks, and budget.

However, while end-user's mull over using a mix of human guards and technology in India, the trend of deploying security robots, which saw an experimental deployment in the U.S. a few years ago, is showing signs of maturing with more and more technology companies jumping into the arena developing intelligent robots for workplace applications, to improve human productivity, safety and quality of life.

Taking a unified approach to solve existing and emerging challenges within the workplace, including for specific and evolving building and facility security needs, robots are being designed to bring access control, video surveillance and security robotics together for a more comprehensive and efficient solution. In order to better address evolving security and facility monitoring needs, businesses are identifying opportunities to streamline security operations, maximise staffing and automate processes.

What we need now is a new breed of security consultants who are tech savvy, understand security design considerations, are proficient in security management and technological aspects, including cyber security, and who are also conversant with financial analysis techniques to design and present optimum security solutions involving technology, security design and guards to customers, supported by numbers to validate the return on investment. The clients will see even better value for their investments in security then.

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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Bold Group launches a solution to help transform business management for security and alarm companies



Bold Group, part of EverCommerce's Security & Alarm solutions, a provider of alarm monitoring and integrated business management software for the security industry, announces the launch of Managely™, a business management solution designed for the unique needs of the security industry.

After engaging extensively with customers over the past two years to understand their growth and management needs, Bold Group built Managely, a new business management solution designed to help small, mid-size, and enterprise security

companies, along with alarm dealers and integrators.

It provides powerful functionality paired with a modern user interface so security businesses can manage key business functions from a single platform, including accounting, billing, workflow management, reputation and customer management, CRM integration, inventory management, central station integration, and more.

Managely is flexible and scalable for the security industry's specific needs providing cloud-based and on-premises options. Its open API

platform and alliances with a wide variety of best-in-class partners such as Microsoft, pulseM, and WeSuite give it the ability to integrate all business functions that security and alarm dealers need to grow.

And, recognising that the industry is constantly evolving, Bold is committed to delivering additional features and functions into Managely that will enhance value for customers and help increase profitability and cost efficiency for security and alarm business owners.

Some of Managely's key features include:

- Executive and role-based dashboards that can be configured by role, brand, and company and are driven by a sleek UI/UX, bringing data to life to better see and understand business
- Business Intelligence through an embedded version of

Microsoft Power BI integration that provides interactive data visualisations and real-time analysis of key business insights and predictive analytics to drive forecasting and go-to-market strategies.

- Review and reputation management through a pulseM® integration, giving business owners an efficient way to connect with customers, generate reviews and feedback, and drive organic growth.

- Modern, flexible user interface that businesses can integrate with their company's brand standards and brand identity through configurable dashboards, invoices, credits, statements, work orders, and proposals.

- Recurring monthly revenue solutions that allow businesses to optimise a variety of transactions like billing or inventory on a subscription basis.

GJD announces the launch of the D-TECT 60 external motion detector

GJD, an award-winning UK designer and manufacturer of advanced external motion detectors, LED illumina-



tors and ANPR cameras announce the expansion of its D-TECT range with the new 60 metre detector. The D-TECT 60 is a dual PIR external wired motion detector

and alarm trigger, it offers a fully programmable beam range, avoiding boundary overspill.

The D-TECT 60 (GJD320) has a programmable detection range from 40 metres to 60 metres. Designing a detector to work effectively with a reliable catch performance, over such a long distance requires a lot of knowledge and experience. After stringent testing, GJD is confident that the D-TECT 60 meets all the security installers' requirements.

The D-TECT 60,

is extremely reliable in outdoor environments. It combines a high detection rate with minimum false alarms, which makes it perfect for event-triggered perimeter protection and intrusion detection systems. One of the major advantages is the combination of the specially designed Fresnel lens and dual PIR sensor; BS8418 compliant; Covert sensor module; Adjustable pan and tilt; The detection area of up to 60m; Robust IP65 Zinc Alloy metal housing; Engineer friendly features to ease cable termination, set-up, and servicing.

In addition to the dual PIR technology, the D-TECT 60 has been designed with an adjust-

able field of view, which enables the professional security installer to align the detector's field of view to match the associated CCTV camera, and in turn, improving the performance and efficiency of the detector.

Key features of D-TECT 60 include: Dual PIR sensor; BS8418 compliant; Covert sensor module; Adjustable pan and tilt; The detection area of up to 60m; Robust IP65 Zinc Alloy metal housing; Engineer friendly features to ease cable termination, set-up, and servicing.

Sielox releases the Pinnacle 11.0 Access Control Platform with powerful new features and the new 2700 Intelligent Access Controller

Sielox, an established industry-renowned company in layered access control solutions, announces the immediate availability of the company's flagship Pinnacle 11.0 Access Control Platform, a new release with powerful new features, in conjunction with the

imminent release of its new 2700 Intelligent Access Controller.

Pinnacle 11.0 Access Control Platform is immediately available for upgrades and new installations, with the availability of the 2700 Intelligent Access Controller set for May 25th, 2022.

Karen Evans, the President of Sielox, said "The nature of how and why access control systems are deployed continues to evolve, as new and emerging challenges arise. The latest release of Pinnacle 11.0 and introduction of the new 2700 access controller

deliver even greater levels of versatility and performance, to help overcome these challenges."

The Pinnacle 11.0 Access Control Platform is a feature-rich, event-management software solution that addresses virtually any size organisation's unique security



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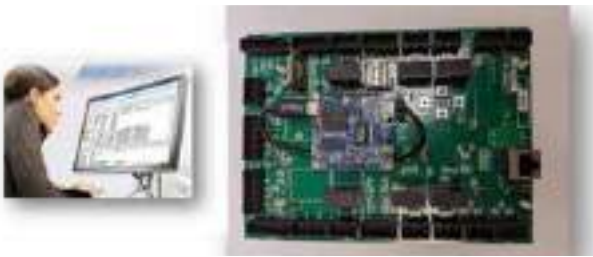


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requirements. As Sielox's flagship solution, Pinnacle delivers virtually unlimited scalability, extreme ease of use and compatibility with leading OEM access products.

New features available with Pinnacle 11.0 include: support of Windows 11; enhanced Time Zones (Schedules) and Holidays with expanded configuration (e.g., scheduled and repeatable intervals daily, weekly, monthly, yearly; different Holidays by controller; creates exceptions with auto-restore), and enhanced email notification.

Additional legacy features include virtual environment support, flexible event filtering

and assignment, wireless Wi-Fi lock support without licensing fees, and the ability to execute local, regional or global lockdowns, event link with camera and/or cardholder image displays, muster reporting with person counts, programmable privileged access levels, smart and traditional elevator controls, and pop-up, email, and .wav file event notifications. Pinnacle 11.0 is immediately available for upgrading existing systems as well as for new installations.

Sielox's new 2700 Intelligent Access Controller is a replacement for the company's legacy 1700 controller, delivering new benchmarks in speed, performance, and reliability. The intel-

ligent, fully distributed 2700 access control panel accommodates up to 34 doors (2 hardwired and 32 wireless) and can be expanded to include 60 Inputs/outputs.

Designed for easy installation and integration, the 2700 Intelligent Access Controller features variable input ranging from 12 to 24VDC with auto sensing, 12VDC auxiliary power output (1A max), local alarm buzzer (forced or held open conditions), optional POE Module and is OSDP compatible.

Embedded with a Linux OS platform, the 2700 Intelligent Access Controller integrates with any combination of Sielox's layered access control solutions, including Pinnacle 11.0, AnyWare 2.0 mobile access control, Sielox I/O Expansion boards, and the CLASS 2.0 Emergency Notification and Response Solution.



With Hikvision's Speed-X technology, Ax Hybrid Pro alarm system offers wired transmission speeds up to 500 kb/s, which is around 150 times as fast as traditional transmission technologies. What's more, these speeds can be achieved over distances up to 900 metres. Speed X's long-distance transmission capabilities allow customers to build a cascade connection topology, with the system supporting up to 7 input expanders, the transmission distance extending up to 5.4 kilometres.

Ax Hybrid Pro alarm system is optimised for reliability. If the main power supply is compromised, the system can continue to operate in smart power manage-

ment mode for a further 36 hours using the backup battery. Additionally, transmission is always assured with support for multiple communications methods, including LAN, Wi-Fi, PSTN, GPRS, and 3G/4G. Finally, the Ax Hybrid Pro control panel supports 4-channel ARC (alarm receiving center) backup, ensuring full redundancy for security and monitoring activities.

Equipped with abundant wired and wireless detectors and peripherals, the Ax Hybrid Pro alarm system can be flexibly deployed to meet customers' specific business needs. The system is also compatible with other Hikvision products, allowing the unified management of intru-

sion alarms, video security, video intercom and access control on a single platform: via either Hik-Connect for end-users, or Hik-Proconnect for professional service providers. This means that organisations of different types and sizes can reliably detect fires, water leaks, gas leaks, and other threats before they endanger people or assets – all in the most cost-effective way.

With IVaaS technology, business-owners can conveniently verify alarms from the Ax Hybrid Pro system by watching video clips or GIF images when they are away from the property. The Speed-X technology also makes it possible to verify HD images from wired PIR cameras within 3 seconds. With the immediate verification, business owners and ARCs can remotely check if anything goes wrong, which can help reduce the cost and improve efficiency.

New secure RFID reader with keypad



Axis Communications has announced the release of the Axis A4120-E reader with a keypad designed for secure and seamless entry. Engineered to perfectly match Axis network door controllers and credentials, it's a convenient and reliable complement to any Axis access control system.

The reader is easy to install on single gang boxes or mounted on the wall. It has an intuitive touch keypad that can be used an unlim-

ited amount of times. With IP66, NEMA 4X, and IK08 ratings, this device is ideal for use in harsh environments both indoors and outdoors. Additionally, it offers tamper detection and built-in cybersecurity features to help prevent unauthorised access and safeguard the system.

The main features of this newly released product include:

- Designed to perfectly match Axis door controllers and creden-

tials

- Support for most RFID cards with 13.56MHz
 - IP66, IK08 ratings for use in harsh environments
 - EAL6+ Certified Secure Element for added protection
 - Intuitive touch keypad offers unlimited usage
- Designed to meet specific system requirements, this smart reader supports most types of RFID card standards with 13.56MHz credential technologies. Furthermore, it supports Open Supervised Device Protocol (OSDP) and Secure Channel Protocol (SCP) enabling secure communications and connections.

Crescendo C2300 Cards from HID Global



Crescendo® C2300 from HID Global provides organizations with seamless and secure employee authentication, ensuring that only authorized people can access sensitive information.

Enabling organizations to implement Zero Trust security architecture, Crescendo can be used as a corporate badge that protects access to facilities as well as a means to protect access to digital enterprise

resources.

Crescendo is designed to be easy and fast to deploy while adapting to continuously evolving security needs thanks to proven standards such as FIDO2 and PKI. The Crescendo C2300 from HID Global provides the following benefits to seamlessly secure and use case:

- Effortless compliance while protecting on-premise and cloud-based enterprise resources with strong authen-

tication ensures secure access to:

- IT networks, systems and SSO
- Online applications using FIDO without having to install any software
- Personal computers and shared workstations using Crescendo smart card or security key (USB-A and USB-C)
- Digital signature, enabling users to verify the provenance of emails and documents
- Data encryption allowing only authorized users to access sensitive information
- Secure printing to ensure confidentiality and guarantee stronger data protection.

Hikvision Ax Hybrid Pro alarm system with Speed-X technology

Hikvision is launching its new Ax Hybrid Pro alarm system with innovative Hikvision 'Speed-X' transmission technology built in, which is suitable in varied scenarios including banks, factories, offices, and retail stores.

Inheriting the elegant design of the original Ax Pro and embedded with cutting-edge technologies, the Ax Hybrid Pro Series offers the combination of reliable wired protection, while delivering expanded flexibility with seamless wireless

integration.

According to the company, the Ax Hybrid Pro system's built-in Speed-X technology makes it truly industry leading, based on faster, more reliable, and longer distance transmission of video feeds and alarms.

Pyronix releases a compact grade 2 wireless shock sensor NanoShock

Pyronix has announced the release of its compact grade 2 wireless shock sensor, the NanoShock. Flexibly fitting out of sight within uPVC window or door frames, or surface mounted with its low profile and pleasing design, the NanoShock has been designed

to deliver fast and easy professional installation and reliable protection.

The NanoShock is an accelerometer device that detects impacts caused by potential intruders as they attempt to break into any residential or small-commercial property. Installed without having

to worry about the positioning of any detection chamber or requiring further adjustments, the NanoShock is simply positioned where required and as soon as the sensitivity is set, it auto-orientates. Once placed, calibration is also quick and simple with the pin-



hole button on the front with LED indication. Using the included pin needle calibration tool, all the installer has to do is hold the button and cycle through 5 increments to the required sensitivity using the LEDs to guide them, with 1 being the least sensitive and 5 the most sensitive.

With this enhanced installation process there's no need to open the device to configure the

PCB, which is encased in the front of the sensor along with the batteries. This setup makes maintenance very straightforward too; replacing its batteries without having to unscrew anything. Recognising that the device will be fitted in changeable environments that can be humid and generate moisture, the NanoShock's PCB has been conformally coated to avoid deterioration of the electronic compo-

nents, increasing its stability and longevity for reliable performance in situ.

Easy to walk test, the NanoShock can be learnt onto any v3.5 or above wireless hub that supports dual-frequency, so can be wirelessly connected to qualifying Enforcer panels, or a Pyronix wireless zone expansion module (ZEM) can be used for hybrid expansion to compatible EURO systems. The device comes in white as standard, with brown and anthracite casings available to match any installation requirement or preference.

ACRE's Bluetooth Module



ACRE's latest Bluetooth addition complements the company's reader range by allowing any ACRE OSDP or Wiegand VR series reader (VR10S-MF, VR40S-MF, VR20M-MF, VR50M-MF) to be converted into a Bluetooth reader. Additionally, it supports credentials issued via a VCredential portal (VCredential.com).

The ability to retrofit readers to Bluetooth capabilities in the field is

a significant customer-first benefit. Installers can now make simple upgrades in the field with an easy-to-install, purpose-made Bluetooth Module that also fits any standard EMEA back-box.

Essentially, this means that customers do not need to buy new Bluetooth readers outright. They can instead upgrade their existing OSDP or Wiegand VR series readers in the field with this new Bluetooth

Module. This provides excellent flexibility and cost-saving measures for the installer.

The Bluetooth Module from ACRE is secure and offers a flexible identification solution bringing ACRE's VCredential to Android™ and iOS® smartphones. This new Bluetooth Module complements readers for existing VCredential and ACTpro systems.

Vanderbilt's Bluetooth readers reduce the total cost of ownership by extending the life of the existing system controller and hardware while allowing a smooth migration to mobile credentials. They are easy to manage as creating, deploying, and controlling access rights can be carried out by the administrator directly in VCredential.

Climax Technology KPT-32-BLE - Easy and Secure Access On-the-go



KPT-32-BLE is a next generation smart bluetooth keypad with easy-to-use bluetooth feature, which allows users to conveniently disarm the security system even with their hands full. Without

having to access the App or manually entering the keypad's pin codes, users can disarm the system via Bluetooth simply by approaching the system with their smartphones.

Inheriting the functions and benefits from the previous generation of product, KPT-32-BLE offers users an easy-to-program solution to easily arm, disarm, and home arm their security system. For enhanced flexibility and convenience, KPT-32-BLE series can integrate with RFID key fob or Near Field Communication (NFC) tag for secure

quick access without needing to enter pin codes manually. KPT-32-BLE is also equipped with a built-in loud siren for immediate audio notification.

To provide additional peace of mind and safety, KPT-32-BLE series features dual key functions that can activate panic, fire, or medical emergency alarm at the touch of a button. Wireless KPT-32-BLE keypads can be wall-mounted at the most convenient and the easily accessible location in users' homes, giving users an extra sense of security.

Delta Scientific DSC550 barrier meets the criteria for continuous operations of one million cycles



Delta Scientific, the manufacturer of counter-terrorist vehicle control systems used in the United States and internationally, announces that its DSC550 barrier which will stop a 15,000 pound (6.8 ton) vehicle traveling 50 mph (80 kph) has just met the criteria of the United States Department of State for continuous operations of 1 million cycles.

The Open Frame DSC550 was tested from September 2021 through April 2022, outside, exposed to full sunlight, and the effects of climatic conditions. Cycle rate on the barrier

was three per minute.

According to the report by the independent test facility, the barrier system was found to be capable of 1,000,000 continuous operations without failure of any component necessary for continued barrier operation outside of scheduled maintenance.

Upon impact, the DSC550 remains in its foundation and the opening stays blocked, providing a multiple hit capability. In its M50 crash test, the DSC550 completely disabled the test vehicle, causing severe damage to the oc-

cupant department and power train.

The maximum penetration recorded was less than zero. The P1 penetration rating was given because the penetration beyond the protected side of the barrier was less than 1.0m at the lower leading edge of the test vehicle's cargo bed.

With its 24-inch (61 cm) shallow foundation and open frame design, the DSC550 obviates the concerns of interference with buried pipes, power lines, and fibre optic communication lines. The shallow foundation also reduces installation complexity, time, materials, and corresponding costs. The DSC550 is perfect for high water table locations and areas with corrosive soils. It provides low maintenance as all components are easily accessible.

Bandweaver launches ZoneSentry, the latest perimeter intrusion detection system (PIDS)



The new ZoneSentry is a zonal-based Perimeter Intrusion Detection System (PIDS), based on Bandweaver's leading-edge fibre optic distributed acoustic sensing (DAS) technology.

By attaching a single fibre optic sensing cable to the external perimeter of a site or on key assets, ZoneSentry can detect and alert to the vibrations associated with intrusion events, thereby enabling rapid action to prevent damage or theft.

Available with 4 or 8 zones, the ZoneSentry system can integrate with CCTV cameras, at both a hardware or software level. When used with Bandweaver's MaxView integration software, the solution can also interface with other security systems, such as VMS (Video Management System) or PSIM (Physical Security Information Management). The product addresses the growing demand for real-time monitoring and intruder detection at

small- and medium-sized sites, as well as in residential settings.

ZoneSentry is a straightforward, out-of-the-box solution that requires minimal set-up, configuration and maintenance. As a result, installation time and costs are reduced, and the system is operational much quicker than with alternative technologies.

Positioned as an entry-level solution, ZoneSentry offers real-time monitoring and detection, along perimeters of up to 8 km per unit. Furthermore, all of this is delivered at a reduced cost, when compared to microwave, radar or more complex COT-DR-based Distributed Acoustic Sensor (DAS) based systems.

The unique qualities of distributed fibre optic sensing technologies offer a number of key benefits, including:

- Completely passive, with no moving parts, power or electronics re-

quired in the field.

- Long lifetime, maintenance free cable, with greater than 30 years design life.

- Immune to electromagnetic interference.

- Intrinsically safe and ideal for oil and gas sites.

- Zone specific tuning and filtering minimises nuisance alarms.

- The cost-effective design makes it ideal for use in a range of settings, including renewable energy sites, such as solar farms, remote telecoms sites, power, utilities and substations and Oil and Gas assets, such as well heads, pumping stations and block valves.

Utilising fibre optic cable, ZoneSentry offers a cost-effective solution for small sites that combines swift installation, zone specific configuration and minimal maintenance. With the ability to integrate with CCTV cameras to provide visual verification of perimeter breaches, ZoneSentry provides operators with the confidence that even the most challenging and remote sites are effectively protected.

ARLO GO 2 LTE/Wi Fi security camera



Arlo Technologies, Inc., a leading smart home security brand, has announced the Go 2 LTE/Wi-Fi Security Camera. Ideal for monitoring remote, large properties, construction sites, vacation homes, boat or RV slips and hard-to-access areas, Go 2 works with a 4G LTE cellular data plan to provide continuous connectivity and uninterrupted security.

Arlo Go 2 features a 100% wire-free, weather-resistant design, swappable, rechargeable battery and the ability to directly connect to Wi-Fi, when in range. Users can view and record

1080p full HD video day and night, capturing important details with color night vision thanks to an integrated spotlight.

Two-way, full-duplex audio ensures clear communication with visitors, while a built-in siren can be triggered remotely or automatically to ward off intruders. Additionally, Arlo Go 2 is equipped with GPS positioning to track the camera's whereabouts, allowing users to locate devices across an expansive area, or in the event of theft.

Features of the Arlo Go 2 LTE/Wi-Fi Security Camera include:

- Intelligent, Take-

Anywhere Security - Connect to 4G LTE network or use 4G LTE as a backup while directly connected to Wi-Fi

- 100% Wire-Free Design - A swappable rechargeable battery powers the Arlo Go 2, eliminating cords and wiring hassles for a sleek install anywhere

- All-Weather Protection - A weather-resistant design ensures the camera can withstand heat, cold, rain, and sun

- Secure Local Storage - Users without an Arlo Secure subscription can opt to insert a secure microSD card into the camera to store videos directly on the device for later access and viewing

- Two-Way Audio - Hear and speak to visitors clearly with superior audio quality

- See at Night - View critical details in color night vision with an integrated spotlight for better identification.

Bosch's ongoing partnership with Genetec.

Genetec Security Center is built from the ground up to unify all data, including security policies, events, and investigations.

Its extensive ecosystem allows users to expand their systems, with the technology necessary to face emerging threats. It also accommodates new data types seamlessly in one interface.

The Security Center Traffic Sensor Management module is a system to take full advantage of traffic data. It ingests near-real-time traffic data captured from various traffic sensors, in order to give a better understanding of traffic flow.

The Traffic Detector software from Bosch seamlessly integrates with the Traffic Sensor Management Module of Genetec Security Centre. Video analytics events triggered by the Traffic Detector are converted by the Traffic Sensor Management Module into easy-to-understand dashboards, so as to support informed decision-making and help users predict potential incidents.

The data is analysed to provide object counts and classifications, object speeds, GPS position and traffic volumes. Thresholds can then be set on this data, in order to generate automated alerts.

With the support of Bosch metadata, ob-

jects can be highlighted with overlays. Data can also be used to support multiple Intelligent Transportation Systems applications, such as intersection monitoring, improved situational awareness in tunnels and on highways, parking management, unmistakable object detection and tracking, and highly accurate count of people in various applications.

Supported Bosch cameras include:

- Flexidome and Dinion intex 7100i IR OC and ITS camera models

- MIC intex 7100i OC and ITS camera models

- Autodome intex 7000i OC and ITS camera models

Hikvision India Introduces panoramic camera range with ColorVu for wide field of view in vivid color



Hikvision India has introduced a new range of panoramic cameras that use integrated ColorVu technology to provide vivid and full-color video imaging for a wide field of view in light conditions as low as 0.0005 lux: nearly total darkness.

Large areas can be very difficult to secure, often requiring multiple cameras to provide full coverage. With traditional cameras, monitoring these kinds of areas can also be difficult in low light conditions, or at night.

To address all of these challenges, Hikvision has integrated ColorVu into our industry-leading panoramic cameras, which use the 'image fusion' algorithm to stitch together images from two side-by-side lenses for a seamless, 180-degree view.

The results are reduced equipment requirements (with fewer cameras needed to cover

large areas); improved situational awareness based on a single, wide-angle image and no blind spots; and the ability to capture every detail in full color – even in near-total darkness.

Hikvision image fusion technologies in the new panoramic cameras provide significant benefits over traditional wide-angle cameras. By using 'pixel-level' matching between the images from the left-side and right-side sensors, this prevents any blind spots, or image 'twisting', or 'distortion'.

Equally importantly, the image fusion process includes both brightness and color processing technologies that ensures consistency across the entire wide-angle image. This is a significant improvement vs. traditional panoramic cameras, which do not compensate for the different lighting conditions experienced by left- and right-side lenses.

All models in the new panoramic camera range use Hikvision AcuSense AI technology to differentiate between real security threats and other moving objects such as animals, falling leaves, and heavy rain. This helps security teams to focus on real security incidents, and to minimize costly false alarms.

Additionally, the devices can be equipped with Hikvision Live Guard sound and light alarms, which deter would-be trespassers from entering sites or buildings – preventing losses or damage to property and improving safety.

The new panoramic cameras provide reliable 24x7 security in a wide range of expansive indoor and outdoor locations. These include parking lots, parks, scenic areas, farms, stadiums, and traffic intersections.

Bosch Intex cameras with Traffic Detector software integration with Genetec Security Center



Maintaining an efficient flow of vehicles, people, and goods throughout cities and communities is fundamental to everyday life and business activities. Transportation professionals need to reduce response times, improve traffic flow, and enhance the driving experience.

Bosch offers a smart choice to address these challenges with its Intex fixed and moving camera models, Traffic Detector software, and seamless integration with Genetec Security Center.

Developed on Bosch's intellectual property in automotive applications,

the Traffic Detector software is founded on deep neural network-based video analytics. It is trained using high quality, real-life data from the field, in order to enable it to recognise patterns, to tackle more complex tasks faster, easier, and more accurately.

The software is designed to detect, classify, and count overlapping trucks, buses, motorcycles, and bicycles, in congested roadway scenes, with additional metadata, including speeds, location, and colour. It also can detect and count people.

Data collected from

the Traffic Detector software provide actionable insights for improving the efficient use of roadways and the safety of people and vehicles in tunnels and on highways.

Robust algorithms are trained to ignore potential disruptions caused by vehicle headlights or shadows, extreme weather, and sun reflections. The Traffic Detector software delivers accuracy levels beyond 95 percent – a necessary threshold for enhanced safety applications.

System integrators and users benefit from

MEA video surveillance market begins recovery after Covid



According to 6wresearch, the Middle East and Africa video surveillance market size is projected to grow at a CAGR of 4.1% during 2022-2028. The market is in the growth stage of industry life cycle owing to rising need for homeland security solutions, increasing security needs, expansion of public infrastructure, increasing IT spending, and surging awareness among people to deploy CCTV cameras.

The Middle East and Africa video surveillance market witnessed rapid growth during 2018-19 owing to various government initiatives and infrastructural projects along with rising crime, terrorism, communal violence, and growing government, commercial, and IT infrastructure in the countries.

However, the researchers have now taken into account that due to the outbreak of Covid-19 major construction projects came to a halt, which negatively impacted the demand for surveillance solutions in 2020. Also, most of the projects were delayed on account of lockdown imposition, thus the major companies were facing short-term operational issues due to supply chain constraints and lack of site access. However, the resumption of the construction activities and the rising installation of cameras in public places are anticipated to upsurge the demand for video surveillance in forecast years.

According to Ananya Consul, Research Analyst, 6wresearch, "Within the components segment, video surveillance cameras held the major-

ity share in the Middle East and Africa video surveillance market and it is expected to maintain its dominance during the forecast period as well, on account of the growing construction market, and upcoming new hotels and shopping malls, coupled with growing government regulations for compulsory installation of video surveillance systems in public areas, as well as an increasing inflow of FDI in construction and retail sectors."

According to Vasudha Kaushik, Research Associate, 6wresearch, "IP cameras garnered the maximum revenue share in the Middle East and Africa video surveillance camera market in 2021 on account of shifting preferences towards IP cameras due to additional advantages they offer over their analogue counterparts - such as IP cameras do not require equipment like encoders and decoders and offer all sort of analytics such as detection of smoke & people count. However, analogue has garnered majority volume share in most of the countries owing to their lesser cost. Also, analogue cameras use DVR for recording which is easier to set up and the installation is a bit more straightforward."

Some of the major companies in the Middle East and Africa video surveillance market and named in the report include Axis Communication, Bosch group, Avigilon corporation, Pelco, Hanwha, Hangzhou Hikvision Digital Technology, Honeywell Security, Panasonic Corporation, Zhejiang Dahua Technology Co. Ltd, and Cisco Systems Inc.

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EZVIZ adds C8W Pro 2K Camera to its all-star security camera range



EZVIZ, a global leader in smart home technologies, has elevated the convenience of a security camera by introducing the C8W Pro 2K. A one of a kind in the market, the camera showcases what advanced, automated home security looks like – stunning camera vision, pan-and-tilt coverage without

blind spots, AI-powered auto-controls, and smart notifications.

The C8W Pro 2K is truly an "all-in-one camera," as one single device watches over large outdoor spaces as effectively and reliably as a multi-camera system does, while the features and video are handled easily at the user's fingertips.

Powered by on-device artificial intelligence, the camera knows how to do the job on its own, even when nobody's watching. It detects people and vehicles in particular so homeowners get instant mobile alerts when someone walks past their property, or a car parks at their front door without permission. Maximizing

the use of its pan-and-tilt design, EZVIZ also gives it the ability to automatically lock on a moving object upon detection, and to track the movement in case something goes out of sight.

This means, the camera will not lose track of an active dog even if it is wildly chasing its toy from one side to another in the backyard. Authentically user-friendly, the C8W Pro 2K also offers a unique feature called "one-click return to preset viewing points." This feature lets users tap on their EZVIZ App to help their camera resume the original viewing angle easily, even after a complex tracking process has taken place.

AI traffic management systems offer a solution to commuter chaos



"As thousands of Washington, D.C. drivers headed to Arlington National Cemetery for the Armistice Day ceremony, they found themselves stuck in the world's first traffic jam", according to Nick Leon Ruiz on Insight.tech on the story that was originally reported, on November 11, 1921. The congestion trapped motorists in their cars for hours—along with one very displeased President Harding, whose limousine had been caught up in the middle of it all. People were frustrated, tired, and unaware that they were making history.

Just 100 years later, urban traffic chaos persists. But AI traffic management systems may offer a new solution to this century-old problem, while at the same time addressing the sustainability challenges of the future. There are good reasons why cities have struggled to solve traffic management challenges.

In an ideal world, urban planning would save us from our traffic woes. But in historic city centres, where the road layout is inherited, this approach isn't feasible. That's especially true in emerging markets, where many streets are old and narrow, budgets are limited, and other infrastructure priorities take precedence.

Technological solutions have limitations as well. Loop detection systems are a help, but they're basically just car counters. They can't provide the kind of detailed data needed to model and predict traffic. Cloud-based traffic management systems are somewhat better, but suffer from latency issues that make them unable to adapt to sudden changes on the road.

"The crux of the problem is that traffic flow is inherently unpredictable," says Jonny Wu, Senior Director of AIoT at Ability Enterprise, a manufacturer of edge AI smart cameras. "The bot-

tom line is that if your solution can't adapt to traffic flow changes in real time, it's going to be suboptimal."

The application of edge AI technology to traffic management has opened up new possibilities. In itself, edge computing isn't new. It was first used in the 1990s to improve web and video content delivery. But processors are now powerful enough to handle the kind of computational heavy lifting needed for AI at the edge.

Ability's Agile & Adaptive Transportation Management solution relies on Intel VPUs, which Wu says are "particularly good at performing the types of visual processing tasks required by edge AI camera systems."

In practice, this means that AIoT cameras like Ability's can do a lot more than just count cars. They can identify different vehicles by type, use license plate recognition to track individual cars, calculate journey times, monitor changes in direction, and detect queue fluctuations at intersections. And that's a game changer, because this is exactly the kind of granular, real-time data you need to model, predict, and optimise traffic flow.

In an AI traffic management system, data is captured and processed on the edge and then sent to the cloud for additional processing. In the cloud, the historical traffic data is used to model flow dynamics. An AI optimizer then runs simulations to create an optimized traffic control plan.

The plan is pushed out to traffic signal controllers in the field, where the edge AI cameras monitor the flow of traffic and send data to the cloud for ongoing optimisation. If necessary, the AI system will automatically adjust the traffic control plan in real time to adapt to changing conditions.

Ability's Malaysia implementation is a case

in point. The company's AIoT cameras were deployed in the city of Ipoh, on a busy stretch of road that suffered from heavy traffic congestion.

"It's a series of four intersections right in the center of Ipoh," explains Erwin Yong, Director of LED Vision, Ability's partner in Malaysia, "so we're talking about a part of the city where it's basically impossible to widen the road." Compounding the problem: Three nearby schools were causing traffic buildups during student drop-off and pickup times.

Ability and LED Vision installed 12 cameras across the four intersections. After an initial data collection period, the historical traffic data was sent to a cloud AI optimiser. Once the optimised traffic control plan was fully deployed, the results were striking. Benchmarked against the historical data, as well as Google's commute time predictions, the system reduced the average vehicle journey time in the area by more than 30%.

If you improve traffic flow, you cut journey time for drivers—and idle time for cars. The obvious benefits are fewer hours wasted in traffic jams and a substantial reduction in carbon emissions. And then there are the not-so-obvious benefits. For one thing, an AI system eliminates much of the human effort needed to manage traffic at busy junctions. Traffic officers are freed up to go where they're needed most.

In addition, says Wu, AIoT camera systems are versatile: "A camera that you use for traffic management, you can use for other things as well: illegal maneuver detection, speed enforcement, and so on."

In an era of global climate crisis, cities are looking for new ways to reduce carbon emissions and reach their sustainability targets. Effective, economical, and flexible, AI traffic management systems will be an attractive option to traffic engineers and systems integrators building the smart cities of tomorrow. Traffic management may be an old problem. But thanks to advances in AI, the future is looking bright.

Major US University transforms into an intelligent campus



Today, educational institutions are much more than centers of learning and research: University campuses manage extensive operations from commercial and business groups to healthcare, dormitory and sports facilities, and law enforcement and traffic control units.

With a broad set of stakeholders and functions, the business, operational and security challenges and responsibilities of universities are wide-ranging, to say the least.

One leading university, based in the United States, has embraced technology as a way of addressing its extensive needs. Integrating diverse enterprise solutions, the university strives to select technologies that are broadly applicable for multiple campus functions.

Like most campuses, one type of infrastructure leveraged by this university is video surveillance, which enables increased public safety and security on the 2,000-acre campus. With sprawling grounds and over 900 buildings, the campus relies on a 3000-camera video surveillance installation to oversee its property and the 65,000 people who traverse it every day – including 15,000 on-campus residents.

According to this organization's campus technology to operationalize its systems. Utilizing the Crime Triangle methodology of evaluating offender abilities, crime opportunities and desire for goods and materials, as well as extensive video surveillance infrastructure, they sought to maximize their investments and enable operators to actively query information and efficiently derive intelligence from video.

The university identified BriefCam as a solution that could help them realize this vision and integrated BriefCam® in 2017. Ever since, the university has been gradually

expanding its implementation to extract more data and value from its video resources.

The university integrated BriefCam so that video could be leveraged to provide operational intelligence to various divisions across campus. BriefCam's fully integrated Research module, an embedded business intelligence platform with customizable data dashboards, enables the university to visualize and share information across campus groups.

For instance, while the campus was considering an extensive construction project, video analytics were used to provide insight into vehicular and human navigation trends. This intelligence informed the planning of future infrastructure, including sidewalks and roads.

"We weren't prepared for the amount of contextual information the solution could provide – we didn't realize how much detail we would be able to share with the other campus management groups. The traffic details alone have been key for driving our major campus construction project."

Over 6 billion dollars will be invested in the university's multi-year construction plan, and the insight provided by BriefCam is critical for informing these strategies. Whereas the university would otherwise have had to hire consultants to share expert opinions about optimal planning, the campus can derive actual quantifiable intelligence about how its facilities and roads are used and make decisions based on actionable intelligence – "available with the push of a button."

Another group benefiting from this intelligence is the campus transportation and parking services group. From information about intersections of interest and vehicle types, to daily traffic patterns and

peaks, traffic violations and more, this critical data helps the group understand activity, identify problem hotspots and plan for the expected and unexpected.

For instance, by using BriefCam's video analytics to identify where drivers and pedestrians are ignoring traffic lights, the campus can determine how to respond. Access to this information enables the planners to prioritize next steps – whether the appropriate response is to increase enforcement efforts or to update existing traffic infrastructure.

"The solution allows us to be efficient and dynamic, developing plans of action based on concrete information that can be shared with management teams and decision makers," notes the in-house campus technology expert. "Its ability to display ad hoc live traffic and intersection data is impressive."

Between commuting students, faculty and visitors, over 30,000 vehicles enter the campus every day. BriefCam enables the university to effectively monitor traffic, visitors, active construction projects and more within a single, scalable platform.

Whereas BriefCam was originally implemented as a business intelligence solution for the university, as a comprehensive platform, it offers the university extensive, fully integrated capabilities beyond data visualizations and dashboards, supporting campus security and law enforcement with attaining situational awareness and combating crime. Campus theft investigations occupy much of the university police force's energies.

Campus detectives often leverage BriefCam's Review functionality to make video searchable. "What would normally take several days can be investigated in an hour or two" with deep learning driven technology. Video can be filtered based on known suspect features or, where there is little to no information about the perpetrator, hours of video can be reviewed in minutes to quickly understand what took place and identify suspects – enabling law enforcement to respond much more quickly.

Understanding how indoor and outdoor space is utilized – from libraries and student centers to research and sports facilities and beyond – monitoring and optimizing traffic flows, maintaining and increasing safety and security and deriving granular intelligence, such as visitor demographics, the university is successfully

leveraging video content to gain full insight into its everyday activity.

Striving to meet the extensive functions and needs of different campus groups from retail and food vendors to sports stadiums, construction planning and execution committees, and law enforcement bodies, the

university relies on BriefCam to serve its various stakeholders. “For us, the success of BriefCam is its ability to identify intelligence that helps all our stakeholders overcome their pain points. Its broad reach helps resolve critical operational challenges and improve daily management of our campus.”

Dahua Technology's intelligent fishery management solution protects aquatic biodiversity in Dongting Lake



Dongting Lake, the second largest freshwater lake in China, covers an area of 2,579.2 square kilometres and is known as the ‘Kidney of the Yangtze River’. Since the implementation of the national policy pertaining to a ‘ten-year fishing ban’ in the Yangtze River, aquatic biodiversity in the lake has been effectively restored.

Gradually, the once ordinary fishermen have now become ‘patrolling fishermen’ to protect the aquatic environment of the lake. They diligently patrol the entire lake and its surrounding embankment, attentively observe every ship on the surface, and silently protect its ecological health, both day and night.

Thanks to these fishermen’s unceasing efforts, as well as the constant aid from the fishery department, the damaged aquatic life in the lake is now slowly recovering. Aquatic species, such as swordfish that disappeared for many years, have now returned to the lake. Finless porpoise, a national first-class protected animal, has also been spotted many times in the area.

However, with the improvement of aquatic life in Dongting Lake, illegal fishing has slowly emerged. Dongting Lake area has a wide lake surface, long coastline, complex climate environment, and limited number of patrolling personnel and resources. These factors have greatly exerted pressure on the implementation of the fishing ban.

At the beginning of 2021, Dahua Technology aided the construction of an intelligent fishery management solution in the lake. This system utilises digital intelligence to curb illegal fishing, realising automatic prevention of illegal fishing, intelligent early warning of illegal vessels and closed-loop process management.

It significantly improved the handling of detected illegal activities and greatly helped the fishery department in carrying out intelligent and refined fishing prohibition in the area.

Illegal fishing often occurs at night. Small fishing boats are not easy to detect, which makes it difficult for patrolling personnel to act in time. With the solution in place, the discovery time is greatly shortened with the use of thermal imaging technology.

Even in a dark night, thermal cameras can still determine the real-time location of an illegal fishing vessel and detect the ship’s direction and its surroundings, realising accurate prediction and early warning.

Using thermal hybrid PTZ cameras (TPC-PT8X21C), remote inspection of the lake surface is carried out in the important natural waters of the South Dongting Lake – the Xiangjiang River, Zijiang River, and the inner lake. These devices helped significantly to reduce the manpower needed to patrol the lake, around the clock, and relatively ease the workload of personnel.

With the help of Dahua’s fishery management platform, operators can detect the real-time situation of the important zones in the lake, actively safeguarding its aquatic resources, by detecting illegal fishing boats in time.

Over the past nine months, the system has found more than 150 illegal fishing activities in Dongting Lake, effectively protecting the safety of its aquatic resources and marine environment. Also, it has greatly reduced the cost of manual patrolling and effectively improved its efficiency, by utilising digital intelligence.

The solution created a ‘net’ of fishery management, based on the sensing capability of IoT. Through this network, staff can intuitively view real-time images, early warning information, and illegal fishing situations in the restricted fishing areas, which can help patrolling personnel in their decision-making. It can also timely detect other abnormalities on the surface, including illegal sand mining, floating debris, and water pollution.

Overall, the intelligent fishery management system, developed by Dahua Technology, has effectively helped protect the aquatic resources in Dongting Lake. It can trace the source of illegal fishing activities and realise intelligent monitoring from fishing, debarkation, transportation, to sales, effectively curbing illegal fishing activities in the lake.

What’s more, it helps maintain the natural growth of fishes and other aquatic resources inhabiting the Dongting Lake, as well as the Yangtze River.

Contd... from page 1

TIWIIS 2022 honours the ...

in order to be counted amongst the leaders - Integrity (to gain trust), Mindset (for risk awareness and problem solving), Interpersonal Skills (to communicate effectively), Training (either formal, hands-on, or by certifications), Action Oriented (for process based execution), Bold (have courage to enforce policies and discipline), Leadership Skills (to lead from the front), Expertise (by gaining in-depth know how). He rounded up his address by saying that it was necessary to remain motivated and have the talent of working smarter.

Mr Luthra’s address was followed by the guest of honour, Ms Chhaya Sharma IPS, the Joint Commissioner, currently serving in the Economic Offences Wing of Delhi Police who, quite in contrast, to how a high ranking police officer would normally address a gathering, was candid, casual and struck the right chord with the audience, speaking from her start. Also, noteworthy to mention would be that Ms. Chhaya Sharma headed the team that had investigated and solved the infamous 2012 Nirb-



haya gang rape case, and subsequently, the serial ‘Delhi Crimes’, available on Netflix was pictured around her.

She admitted that women in security had a tougher path to tread, and definitely needed the support of both their family and professional colleagues. “We have to work harder to prove ourselves. But that’s in the initial phase when one is breaking into a new fold. Once that barrier is crossed, things start falling in place and stay relatively smooth” she said.

Ms Sharma admitted that policing is predominantly a patriarchal set up but added that with time, things were certainly changing. “We definitely need to recognise women who are doing well. We need to break the bias and accept a person as a good professional rather than a woman or a man,” she said.

Ms Sharma said that while it was a fact that there were some areas where women had restrictions because of being physically weaker, they can easily compensate for fields that they excel in. “This way what they lack in physical strength, can be made up,” she said.

“To ensure that they develop constantly, women need to pick up challenges that are thrown at them. In fact more the challenges, more is the chance of growth and being able to prove themselves. Buckling under pressure is not an option,” said Ms Sharma.

Delving on the issue of sexual harassment, Ms Sharma agreed that it still exists at work places. “So it is necessary not to endure it but to stand up against it. The law is there to help, but will help only when you stand up and oppose the harassment,” she said.

Punctuating her address with multiple examples from day to day life, Ms Sharma’s address received a thunderous applause from the sizable number of women security professionals openly admitting that they were inspired by her. What caught the audience’s interest was Ms Sharma’s ease of address and ability to take up subjects that everyone identifies with. She even sought to explain how premeditated the roles were for women by saying that often her cook calls her up in the office to ask “what should I cook for dinner”. Ms Sharma laughed and said she has often insisted that the same query be posted to her husband too!

Ms Sharma was followed by the man that the large gathering had waited for since morning. A man who needs

no introduction and whose words have inspired people for years. Mr Shiv Khera, the chief guest of TIWIIS 2022, was at his best at the event.

Mr Khera’s unique talent is that he inspires and encourages individuals to realise their true potential. He has taken his dynamic personal messages to opposite sides of the globe, from the U.S. to Singapore. His 40 years of research and understanding has put millions on the path of growth and fulfilment.

Over 8 million copies of his books have been



sold globally including his international bestseller, ‘You Can Win’, in 21 languages. His clientele includes many of the top global organisations.

He began his keynote address by giving examples from his own life and struggles where he juggled multiple professions. But did not give up in spite of constantly failing to make a mark. The general highlight of Mr Khera’s speeches have always been not trying to preach but to quote incidents that can inspire people. And by the end of his address it was clear that he had inspired those who did not particularly follow him. Mr Khera also hailed Ms Chhaya Sharma’s address and said he completely identified with it. He then proceeded to do what he does best. Speaking about life lessons.

“I am a B.Com, third division, I failed in my 10th. In school I was a backbencher, troubling the frontbenchers. I come from a business family that owned coal mines in India. The



mines were nationalised and the government took them over. Right from being mine owners, we came on the streets. And by streets, I mean literally streets. I did not create the mines, I only inherited them," he said, recounting experiences of his early life.

"Some families had money but ours did not. My father passed away when I had just graduated from college and we were left with the liabilities. All the assets were gone. I had been married just four weeks then. I remember that a year later my daughter was born and I had to sell some of the last pieces of my mother's jewellery to get a release from the hospital. I did not have even 10 bucks to buy milk" leaving the audience mesmerised with his honesty and candour.

Mr Khera says he tried his hands in three businesses and failed in all three. "Finally, on November 13, 1975, I left India. Initially, I went to Toronto and started life with a bucket in my hand, washing cars door to door for about a year and a half. Then totally by accident, I got into selling life insurance where I was almost fired within the first three months for non-performance" he said.

"While selling life insurances I was on commission and would only get paid if I sold but there were many people on salary who were not doing their job. That is the time I understood the difference between making money and earning money. That's the time I understood that making money is criminal and earning money is spiritual, because when you earn money then you put your energy and ethics behind it," he said, once again using his own life story to elucidate some home truths.

It's important to have skills and constantly hone them, said Mr Khera. He said most of the problems in a business were not business problems but people

problems and once that is sorted business problems are solved too. He also said that most problems arise from attitudes in businesses. That attitude needs to be fixed.

Mr. Khera says he has always paid special emphasis on five types of strengths that are essential for attaining and sustaining success, namely – physical, financial, mental, emotional and spiritual. Khera elaborated upon each strength. First of all, he said that a healthy body is a necessary prerequisite for all our endeavours in life, thus physical strength is something that should never be ignored. Financial strength pertains to wealth and financial security, and contrary to the general understanding that money can't buy happiness.

He asserted that money earned through fair means did, in fact, bring happiness. "Mental strength and fortitude keeps us from drowning in the tides of hardships and when it comes to emotional strength, relationships are of prime importance" he said. He said integrity is a part of each one of their programmes and they guard it closely since it is the basis of their effort.

When he declared that he was now ending his address, the entire gathering clearly was still wanting more. The applause that he got was deafening and continued for some time. Mr Khera then moved on to take over the responsibility of bestowing the honours on the 21 women influencers of 2022, as their names were announced in alphabetical order. The influencers who were present at the event came forward and received their certificates from Mr. Shiv Khera, Mr. Rajan Luthra, Ms. Vandana Verma, Ms. Aman Singh, and Mr. GB Singh.

This year's honoured influencers include:

Dr. Abhilasha Vyas, Business Unit Head, Cloud Security & BI, CloudThat Technologies

Alka Bawa, Director, Gardvel Pvt Ltd

Babitha BP, Chief Information officer, CSB Bank

Bishaka Jain, Senior Security Consultant, IBM

Hyacinth D'Sena, Deputy General Manager, Vodafone Intelligent Solutions

Jaspreet Kaur, PhD researcher at IITJ, Faculty at SPUP Jodhpur, IIT Jodhpur,

Juhi Agarwal, Associate Security Consultant, Synopsys Inc

Jyoti Meena, Data Centre Security Operations Manager, Microsoft

Dr. Lopa Mudraa Basuu, Vice President- Cybersecurity & Technology Controls for APAC, EMEA & GENEVA, JPMorgan Chase & Co

Major Aditie Mohan, Vice President & Head Corporate Services, Fidelity National Financials

Meetali Sharma, Corporate Head - Risk, Compliance & Information Security, SDG Corporations

Mehnaz Perveen, Associate Vice President- Trust & Safety, LERT, Urban Company

Neha Dhyani, Senior Security Consultant, Nokia Solutions & Networks

Nirali Bhatia, CyberBAAP- Founder, V4WEB- Director

Preeti Bhisikar Soni, Route to Market Leader- APAC & MEA, IBM India Pvt Ltd.

Puneet Bhasin, Proprietor/Founder, Cyberjure Legal Consulting

Radhika Halder, Regional Intelligence Analyst, India & South Asia, Pinkerton

Rashmi Dastidar, Country Director - India and Head, South Asia, Hill & Associates, a G4S/Allied Universal Group Company

Ratna Pawan, Program Director- Risk Advisory, Ernst & Young

Seema Sharma, Head of Information Security & Data Privacy, Senior Director, Servify, and

Shifa Cyclewala, Director, Hacktify Cyber Security

The announcement of names was followed by the launch of the 'Women in Security Survey Report 2022' by IIRIS Consulting in collaboration with SECURITY TODAY. Mr Gurpawan Singh, President, IIRIS Consulting, explained the idea behind this pioneering survey. He said that he hailed all women in security because each one was marking a niche for herself and inspiring a set of people around her. This, he said, would eventually create a situation where the ratio between men and women serving in the security industry would be at par and excellence would determine the rise to the top.

The event's success could be gauged by the fact that long after the speakers had finished sharing their vision, the points of view were widely discussed by the security professionals at the gathering. The biggest advantage of an event of this nature being physical is that it gives a chance for attendees to interact with speakers informally following the culmination of the event.

Each speaker was seen surrounded by eager listeners who shared their ideas and did lengthy brainstorming sessions with them over a sumptuous lunch. Needless to say the largest gathering stayed with Mr Shiv Khera who obliged the attendees by not only getting selfies clicked with them, but also autographing his books and other merchandise that could be purchased at the stall at the event.

The vote of thanks by Ms Aman Singh again reiterated what was said at the beginning of the event that women were now going into arenas where they did not think of going some years back. And not only were they going but making a mark for themselves and influencing both men and women into aspiring for excellence.

Divulging some interesting statistics gathered from the whole process



this year, she revealed that:

- The lowest score given by a Judge to a nominee was 3, whereas the highest score was a perfect 10

- The Top 21 fell in the scoring range of 49.5, which is 82.5% to 38, which is 63.3%

- The highest total obtained by a nominee was 49.5, which is 82.5%, and the lowest score is, 23 which is (38.3%)

- 35% of the Top Influencers belonged to the Physical Security Domain

- 25% belonged to the Cyber-Physical Security Domain, and

- 40% belonged to the Cyber Security Domain

Clearly, we are finding more and more women associated with the cyber security domain.

It's indeed been the constant effort of TIWIIS over the years, to create a platform for women in security to be recognised, and to inspire others. The large number of women security professionals present at the event doubtlessly returned back to work inspired and determined that for them, sky was no longer the limit and the concept of being satisfied with what they had was no longer an option. There are new challenges to tackle and new heights to achieve!

Last but not least, Ms. Singh expressed her gratitude to the event sponsors, SIS Group Enterprises, a leading Indian multinational security conglomerate, which has given unstinted support to SECURITY TODAY in its various industry initiatives and the well-known global firm, GENPACT, a leader in rendering professional services to its top notch clientele.

TIWIIS generated considerable buzz on the social media, and some of the comments received on social media were as follows:

Heartiest congratulations to all the winners from ICISS - "You have brought a paradigm shift in the security sector and made it an equal opportunity provider. Today we can proudly claim that India's industrial security sector is without gender bias. You have played an immensely important role in this direction. More power to you!"

Prof. (Capt.) SB Tyagi,
Chief Councillor at International Council for Security & Safety Management

"Women are excelling in their career in the cybersecurity space, this is a moment of pride for the industry. Congratulations to all for this accomplishment"

Sudhanshu Chauhan,
Director & Co-Founder, Red Hunt Labs

"It was a well organised and splendid event with a galaxy of renowned speakers who showered the audience with their unmatched views and guidance. The lunch was delicious and had ample space for the audience. Furthermore, congratulations to all the women who were recognised during the event"

Mr. Harvindra Singh,
CPP, Chapter Chairman ASIS New Delhi - 207

"A brilliantly organised event, thanks to SECURITY TODAY. Thanks for providing a fabulous platform for women Security professionals"

Ratna Pawan,
Transformation Director - Risk Advisory, EY

"It was a day well spent listening to some great speakers and meeting some amazing people. Thanks to SECURITY TODAY for a great event!"

Capt Jaipreet Joshi,
Founder Chief Mentor - FITCOMB

"It was, as always, a very well thought out event. It was a lucky break that one was in town to attend it. Thanks to SECURITY TODAY for organising it and heartiest congratulations to all the wonderful ladies for the recognition accorded."

Col. Harjinder Singh,
Head of Training Raxa Security Services

AtlasIED's 5400 Series Voice Evacuation System



AtlasIED, a global leader in mass communications solutions, recently showcased its 5400 Series EN 54-16 Compliant Voice Evacuation Systems for hotels, office buildings and public spaces.

AtlasIED designed and engineered the 5400 Series from the ground up to answer the rigorous demands for mass notification and emergency communications initiated by EN 54-16 standards for life safety signaling

and paging systems. The 5400 Series not only offers key voice evacuation and emergency response features, but also provides solutions for day-to-day communications and paging needs.

The core of the 5400 Series is the 5400ACS, an integrated announcement controller that effectively manages systems of emergency communication stations, digital zone manager amplifier units and other network peripherals, including up

to 50 digital microphone stations.

Featuring built-in message server capability, the 5400ACS is capable of recording two channels of delayed messages while providing two channels of message playback. Users may schedule messages for playback, as well as initiate announcements by contact closures, from a microphone paging station, the 5400ACS front panel, or by a network command from higher level management software such as AtlasIED Director.

The 5400ACS offers overall supervision capabilities that allow the unit to recognize and report equipment faults and ongoing alarm conditions, including managing disabled and delayed zones, providing fault status information and automatically switching to redundant amplifiers or controllers in the event of failure.

58% Indian home-owners not confident about fire safe compliance in their homes



Godrej Security Solutions, a business of Godrej & Boyce, has revealed that 44 per cent of respondents are familiar with the nearest safety exits in case of a fire alarm at their workplace, while over 55 per cent are not familiar. The survey was conducted across seven key cities, with over 2100+ respondents. Godrej Security Solutions has been at the forefront to drive the awareness and strive to create attitudinal change around fire safety.

The country has been witnessing multiple fire accidents in the recent

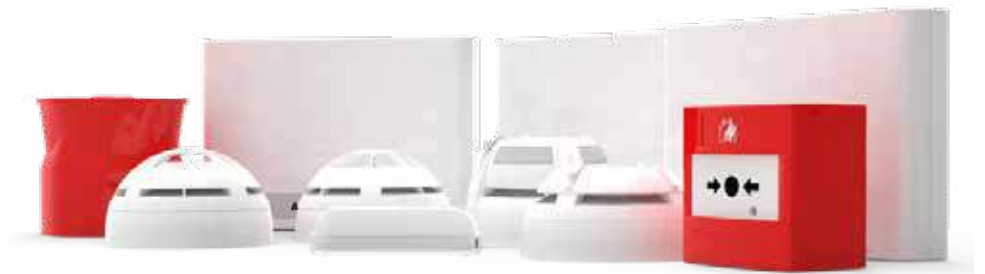
months, and it has questioned the fire compliance and fire ready protocols that establishments have. It was interesting to note that according to this survey, 58 per cent respondents were not confident about fire safety protocols in their homes, whereas 41 per cent respondents were extremely confident.

This shows that there must be a systematic shift in the average consumer's understanding of fire safety protocols and also gives us an insight into how citizens are more concerned now than before.

"It is critical to educate people and authorities about the importance of fire safety in existing buildings as well as in new construction. We have focused on fire safety awareness for the last couple of years as well. The primary aim of a research study like this was to understand the lack of awareness that is present among consumers even today not just about fire compliance but overall home security. Our aim was to gather insights on the current gaps and then help showcase the importance of adopting high-end technology when it comes to security – both in private and public sectors. The research was commissioned to assess the perspective of consumers when it comes to home and health security solutions and practices," said Pushkar Gokhale, business head, Godrej Security Solutions.

Expert panel dissects fire safety in Mumbai

Greener times ahead for fire protection



AudioLINK+ is now faster, quieter, and more reliable than ever before. The second iteration of Aico's award-winning AudioLINK technology makes it easy to access real-time data from alarms via the free AudioLINK+ app.

AudioLINK+ extracts the same data as

AudioLINK, but does this quicker and quieter than before to reduce disturbance and does not affect any other functionality of alarms. With the average time to take a report taking between 4-7 seconds, AudioLINK+ technology makes getting real-time data from Smoke and Carbon Monoxide alarms more efficient – saving time, money and lives.

The AudioLINK+ App is backwards compatible, meaning AudioLINK alarms currently installed do not need to be replaced to utilise the new technology and will work with the new version of the app. However, users will need to update to the latest version of the app to download reports from any AudioLINK+ alarms installed within their properties.

The App generates a simple to read colour-coded report, giving information on a range of alarm data, including alarm activations, sensor status, alarm test-

ing information, battery and back up cell status, recorded Carbon Monoxide (CO) levels within CO alarms, and advice on dust contamination levels within the 3000 series alarms.

All of this information can be emailed directly from the phone or tablet, to one or multiple addresses, being sent as a PDF report for the property or exported as a .csv file for simple integration with housing management and maintenance systems. Additional information can be added to the report to help link it to a specific alarm and to communicate important and helpful information.

There is no change in the pricing of alarms sold by Aico, just an improvement in the technology offered within the alarms. AudioLINK+ data extraction technology is built-in to all Aico's Carbon Monoxide alarms, such as the Ei208 and the entire 3000 series alarm range.

At the recent Firex show at the Excel in London, the European team from Hochiki demonstrated the company's portfolio of products, as well as discussing what the future holds for fire system design, why the industry must think green and how customer insight is driving innovation at Hochiki.

The new and improved L@titude system was presented at the event, and with huge investments made in the research and development of this product, led by customer insight, this latest model combines the very latest in hardware and software and is the company's market leading control and indication system.

Sophisticated enough to operate anywhere in

the world, in multiple languages, across all manner of applications – from schools and hospitals, city skyscrapers filled with thousands of office workers, apartment blocks and entertainment venues, cultural and commercial spaces as well as international travel ports, manufacturing warehouses and logistics hubs.

The system has been designed to be simple to configure and easy to use, utilising touchscreen technology with a graphical user interface to help display vital information. It is EN approved and recently DBI certified for the Danish market following its EN54 Part 13 BRE approval.

For visitors looking to improve their energy consumption, the Hochiki team provided

live demonstrations of the power saving and environmentally friendly Firescape+ combined emergency lighting and fire detection system. The system features LED downlighters consuming only 0.1W once fully charged, the lower energy consumption directly correlates with lower CO2e emissions; providing building owners with a greener and more cost-effective solution.

Visitors can also learn how Hochiki are helping to protect and keep operational one of the UK's largest offshore wind farms at Margate, critical as thoughts turn to how the UK can start to produce more of its own energy and rely less on foreign sources. For a country once solely reliant on coal to power its

homes and businesses, the UK is now the leader in offshore wind energy. Encouragingly, today 44% of the UK's electricity comes from renewable sources – a figure expected to accelerate given the Government's April 2022 announcement, committing to “supercharge” clean energy deployment,

which would see 95% of Great Britain's electricity set to be low carbon by 2030.

Hochiki's next generation of hybrid wireless fire detection products, Ekho is also available for demonstration. At the core of the system is the wireless Translator mod-

ule, hard-wired to the fire alarm control panel loop and communicates continuously with the wireless devices. Wireless Expander modules are then used to extend the self-healing radio mesh network, increasing the reach and capacity of the overall system.

cally be changed twice a year. Every smoke detector should be tested once a month to ensure it's working. In a more advanced system, all the smoke detectors in your home are connected to each other. When smoke detectors are interconnected, if a fire breaks out in the kitchen, triggering that smoke detector to go off, the detectors in the bedrooms will also sound, alerting you to the danger of the fire sooner.

Additionally, many home security companies offer home monitoring that includes smoke detectors. By taking advantage of these services, the fire department can be alerted to a fire in your home even if you're asleep or are not there.

Sprinklers

While we're all used to seeing sprinklers in commercial buildings, it's not as common to see them in homes. However, when a fire breaks out in a home that has sprinklers installed, 97 percent of the time, it will be limit-

ed to the room where it started. And the civilian death rate is 81 percent lower in houses with sprinklers. With a sprinkler system, it's possible the fire could be put out before the fire department even arrives.

Fire extinguishers

While every home should have fire extinguishers, their use and effectiveness depend upon the location and size of the fire. They're best when the fire is small and localized: a burning waste basket or a pan on a stove. A multi-purpose fire extinguisher is best for a home. Handy on all types of fires, they should be large enough to put out a small fire, but not so heavy you can't handle them.

Fire safety behavioral tips

In addition to protecting your family and home with fire-resistant building materials and fire safety devices, there are several other steps you can take.

Fire safety plan — Every family should pre-

pare in advance and create a plan of how they will react in the event of a fire. This would entail drawing a map of your home, marking every door and window. There should be two ways out of every room. Each family member should know their exit points based on where they are in the house. The plan should include a meeting spot outside the home where everyone can meet to ensure that all family members got out safely.

Fire drills — Once the fire safety plan has been established, the family should practice the different ways out of the house based on where they may be. Drills should take place during the day and at night. It's best to review the plan and practice evacuation routes at least twice a year, perhaps at the same time as you change batteries in your smoke detectors. Children should practice their evacuation routes on their own in case parents aren't able to help them out.

How to protect your home against fire



The number of house fires occurring each year is staggering. While it's not possible to completely fireproof your home, there are fire preparedness steps you can take. Some may even get you a break on your homeowners insurance premiums.

Start with the kitchen

More house fires originate in the kitchen than in any other room. Between 2015 and 2019, 49 percent of all fires started in the kitchen. Many of these fires were caused by people leaving cooking food unattended, having combustibles too close to the heat source or forgetting to turn off cooking equipment, such as stoves or ovens, when done.

There are several simple steps to take to avoid kitchen fires:

- Stay in the kitchen while cooking — if you must leave the house for any reason, turn the stove, oven or other appliance off until you return.
- For food that takes a long time to prepare, check back frequently. This will help prevent potential causes of fires, for example, if the liquid has boiled away and food is cooking dry.
- Set timers to keep track of cooking times and as a reminder of when food should be ready.
- Keep items that can easily catch fire — oven mitts, paper towels, cloth towels, food pack-

aging, wooden utensils — away from the cooking source.

- Keep young children away from the cooking source. Not only will this help prevent burns, it could also keep them from putting flammable items near the cooking source.

- Be especially careful with oils and grease. These combustibles can't be extinguished with water. Either smother the flames or use a kitchen-rated fire extinguisher.

Bedroom fire safety

The second most-common area for house fires are bedrooms. These fires may be caused by people falling asleep while smoking or could be electrical in nature, caused by faulty wiring, malfunctioning or worn-out electric blankets or the use of space heaters while people are sleeping.

Fire safety tips for the bedroom include:

- Don't smoke in bed. If you fall asleep and your cigarette's embers fall on the bed sheets, blankets or carpet, it could start a fire.
- Blow out candles before going to bed.
- Place laptops, cell phones and other charging devices on a hard surface such as a nightstand, dresser or desk. Don't leave them on the bed or carpet where, if they get overheated, they can start a fire.
- Preheat your room with your space heater and turn it off when

you're ready to go to sleep. This will prevent overheating, which could cause a fire.

- Follow the same practice with electric blankets: preheat the bed and turn the blanket off when you're ready to sleep.

- Check the wiring in the bedrooms and throughout the house to ensure it is up to code.

Building materials and fire safety

One of the best ways to fireproof a house is to use building materials that are less combustible. While many homes are made of wood, construction materials such as concrete, stucco, brick and gypsum are fire resistant. Windows that use fire-resistant glass are a better alternative to standard glass. Examples include dual-paned glass, tempered glass and glass block.

Fire and smoke detection devices

Equipping a home with the proper fire safety devices will go a long way in keeping your family safe. This includes smoke detectors, sprinklers, fire extinguishers and surge protectors.

Smoke detectors

The number of smoke detectors needed depends on the number of bedrooms and the size of the house. Current safety standards call for a smoke detector inside each bedroom, outside each sleeping area and on every level of the house. So, a two-story house without a basement, with three bedrooms on the second floor should have a minimum of five smoke detectors. They should be mounted on the room ceiling or high on the walls. Some smoke detectors use batteries, while others are hard-wired into the home's electrical system.

Batteries should typi-

X-Sense XS03-WX: Affordable, Reliable Wi-Fi Smoke Alarm with App



The X-sense XS03-WX Wi-Fi Smoke Detector is small but mighty. It performs as well as full-sized alarms. It's easy to install and is a quarter of the price of other larger, connected smoke detectors. The Wi-Fi connects the X-Sense to your Android or iPhone. No need to pull out a ladder to press a button, you can silence false alarms from the phone app.

The X-Sense XS03-WX Wi-Fi smoke alarm can give you peace of mind by sending an alert to your phone if there is an incident in your home. You know that feeling when you leave the house and wonder if you turned off the stove?

If you can't go home to check, that worry may stay with you the whole time you are away. With a smoke alarm connected to a phone app, you would know if there was a fire at home. This could allow you to contact the fire department before the fire does catastrophic damage.

X-sense offers a complete line of home safety devices. Manufactured in China, the company makes home security systems, including cameras, a smart video doorbell, and smoke and carbon monoxide detectors.

X-Sense also makes the XS03iWX smoke detector. This model is the same size as the Wi-Fi

version, but it is part of an interconnected network where all smoke detectors in your home will go off if one detects smoke. The network requires the X-Sense SBS10 base station. It can accommodate an alarm in a separate structure over a mile away.

Although the X-Sense smoke alarm can fit in the palm of your hand, its 85 dB alarm blares with the ear-piercing volume of its bigger brethren. It's a stand-alone battery-powered unit that can be placed where you need it. Because the alarm can be quickly silenced using the app, you can put it on a high ceiling without worrying that you'll have to reach it to press a button.

The XS03-WX is a photoelectric alarm. This technology works by shining a light into the sensing chamber. When smoke enters the chamber, it reflects the light onto a sensor that sets off the alarm.

AlgoSec announces ObjectFlow, a network security object management solution for hybrid environments



AlgoSec, a global cyber security leader in securing application connectivity, has announced AlgoSec ObjectFlow, a network security object management solution

a Service (SaaS) based solution, customers can leverage AlgoSec ObjectFlow's advantages within minutes upon activation.

Professor Avishai Wool, the Chief Technology Officer (CTO) and Co-Founder of AlgoSec, stated, "ObjectFlow addresses a dire need in the market for

definitions, across the multiple management systems, used by various vendors.

- **Object discovery and complete object visibility**

ObjectFlow helps enterprises tap into SDNs and firewalls to discover all the objects on a network. Unique nam-



for hybrid environments, spanning cloud networks, SDNs and on-premises.

According to Rik Turner, the Principal Analyst at Omdia, "In the complex environments that ensue from modern architectures, such as SDN, as well as hybrid and multi-cloud environments, there is a very real risk of overlapping objects, making their management from a security perspective a real headache. There is clearly the potential for automation to be applied to further streamline management."

AlgoSec ObjectFlow offers the most comprehensive visibility and control of network objects, across an entire hybrid environment. As a turnkey Software as

optimal network object management, as most enterprise networks rely on a vast number of network objects that often refer to the same addresses in various forms, creating duplications and inconsistencies that can slow down changes to network connectivity and security policies. As a result, this leads to an increased risk of misconfigurations, outages and security breaches."

Key benefits that AlgoSec ObjectFlow delivers to IT, network and security experts include:

- **Single source of truth**

ObjectFlow is a central repository of all network objects used in security policies, allowing customers to maintain consistency of

ing conventions can be created and organised, based on individual needs and from multiple vendors.

- **Automation of object changes**

ObjectFlow makes automation of object changes possible from a central location. With official vendor API Integrations, manual labour is avoided, thereby allowing for changes to be made within minutes instead of days.

- **Risk reduction**

ObjectFlow provides full visibility and uniformity over network objects, breaking down organisational silos. With these processes in place, objects can be easily identifiable, thereby allowing networks to be completely secure.



user convenience, energy efficiency, building security and to comply with fire protection rules

3. Closing delay: the final closing section can be a danger point for finger trapping, too quick closing which obstructs users, or damage which could impact performance, so a door closer should be able to adapt to maintain accessibility

4. Flexibility: no two doors or buildings are the same, so the door closer should allow variation where feasible in any of the above

Often overlooked, aesthetics is another important consideration. A modern door closer must be discreet, with a contemporary design that blends into its surroundings. It should not make the building look like an "institution".

- **Cam-Motion technology for barrier-free access**

Door Closers with Assa Abloy's Cam-Motion technology provide ergonomic opening for everyone who passes through them. Unlike traditional rack-and-pinion door closers, Cam-Motion Door Closers with guide rails require a push-force that falls rapidly. Cam-Motion mirrors the power of a human elbow, where torque also reduces sharply as the arm extends. This translates into much easier opening and greater comfort.

Assa Abloy Door Closers offer optional closing delay, which allows extra time for any user to pass through the door. To protect the frame and prevent banging into walls, the back-check function as standard across the range slows the door's final

opening section before shutting tight. They are tested to meet EN 1154 standard for fire and smoke protection and fulfil barrier-free building requirements.

Cam-Motion Door Closers maximise flexibility without impacting their accessibility benefits. Their design allows fitting to either frame or door, and on hinge or non-hinge side, so the user can select whatever suits the opening best. They can equip both single- and double-leaf doors.

Cam-Motion technology is designed with independent valves, enabling separate latch and closing speeds to be set, so closing performance meets the door's specific use. These valves are thermo-resistant: Once door speeds are set, they stay set — even at extreme temperatures.

The history and development of converged security

A recent research report for the ASIS Foundation, The State of Security Convergence, defines the concept as 'security/risk management functions working together seamlessly to address security holistically and to close the gaps and vulnerabilities that exist in the spaces between functions'.

For around two decades, the professional security community has actively promoted a converged approach to organisational physical and information security management, which might reasonably be expected to have reached maturity by now.

Yet the ASIS Foundation research concluded that fully converged security remains the exception rather than the rule, leaving organisations increasingly vulnerable as their adoption

and reliance on digital technologies accelerates. The World Economic Forum stressed the importance of collaborative solutions to cyber risk in its Global Risks Report 2016, stating 'While there are many "C" level owners (CISO, CFO, CEO, CRO, Risk Management), each of these owners has differing but related interests and unfortunately often does not integrate risk or effectively collaborate on its management'.

Technically, in the earliest days of organisational computing, when computer usage in organisations was mostly limited to data centres and their protection was focused on securing the physical infrastructure, converged security was the norm. The development of personal computers, new types of personal software and

the expansion of chip technology led to their growing ubiquity in organisations from the early 1980s.

The protection of IT systems required additional technical security measures, and it was from this point that information security began to evolve as a distinct business function and professional specialism.

While the main benefits of IT advancement were initially to organisations' internal effectiveness, it became increasingly central to the realisation of strategic business objectives, for example, enabling the integration of the systems of suppliers and customers, and a matter for top management. Through the 1990s, information and the IT systems to support it came to be recognised

Access control should offer benefits not barriers

Installing the right access control system for a property — for access through an entrance or interior door — can be the difference between making buildings accessible or simply swapping one barrier for another.

Many countries and international organisations including the European Union suggest or enforce accessibility standards for public and private buildings. In many cases, according to Assa Abloy these regulations apply for specifying both new construction and retrofit

projects.

Installing a door closer is often seen as an ideal solution. The right door closer will ease access through heavy or otherwise awkward openings. When every important door opens with less effort, building owners offer a more equal experience and encourage participation in the workplace or public life. However, not every door closer will do this job well enough.

- **Factors to consider when choosing the right door closer**

Architects, specification teams, security managers and builders consider many factors before choosing a door closer. From an accessibility point of view, Assa Abloy recommends that the following four can serve as a useful checklist for improving the inclusiveness of a design:

1. Opening force: for genuinely barrier-free accessibility, the force required to open the door should be as low as possible

2. Closing force: the door should close fully and automatically, for



as critical business assets and gave impetus to the development of information security practices and standards, including the precursor to the ISO 27000 family of international standards for information security, British Standard BS 7799, first published in 1995.

Since that time, computing power has multiplied many times over, the increasing ubiquity of digital devices has offered companies new ways of interacting with customers, and digital innovations like cloud computing, the Internet of Things (IoT) and artificial intelligence technologies are reconstructing how businesses function.

The challenges presented to organisations by the COVID-19 pandemic, and necessary adjustments like the rapid expansion of home working, accelerated the adoption of digital technologies by several years and required numerous adaptations to organisational security.

The concept of Industrial IoT (IIoT) has entered the business lexicon to refer to its application to manufacturing and industrial processes, taking the risks to critical infrastructure to a new level. This urgency has been recognised by the US government, which established a Cybersecurity and Infrastructure Security Agency (CISA) in 2018, and in CISA's publication of a convergence guide in 2021. The guide advocates 'an integrated threat management strategy' reflecting 'in-depth understanding of the cascading impacts

to interconnected cyber-physical infrastructure', and views a 'culture of inclusivity' as being 'vital' to the successful convergence of security functions and 'fostering communication, coordination, and collaboration'.

A 2016 report by the SANS Institute on Security in a Converging IT/OT World highlights the extent of the challenge to critical infrastructure, arguing that operational technology (OT) cyber security is 'roughly a decade behind the maturity level of IT security in many ways'.

Traditionally, IT and industrial control systems (ICS) have presented different risks and risk management priorities, including confidentiality, integrity and availability in information systems, and safety and availability in ICS. The life cycles of industrial equipment (and often, software) can run into decades, and such equipment is very expensive, making updates much more challenging. It is also difficult to create virtual versions on which tests can be run, so testing usually has to occur on actual operational devices during scheduled downtimes.

Rising prominence but challenges remain...

It is now well-established that organisations need to assess risk holistically, identifying and mitigating vulnerabilities caused by increasingly interconnected and converging threats. A significant challenge in the development and implementation of con-

verged security is that there can be no one-size-fits-all approach, given the varying requirements of different markets, industries and professions.

More research is needed into different models and approaches, and security practitioners need to regularly update their learning in new security risk management approaches in general, and convergence approaches specifically.

Recruiting people with the right skill sets, and especially the required strategic, business and soft skills, was identified in the ASIS Foundation report as being crucially important. Its research cited confusion over roles and responsibilities, reporting lines and communication, as well as conflict among converged staff, as being continuing barriers to the effective implementation of convergence.

Our qualitative research findings similarly placed a strong emphasis on practitioner skill sets, while highlighting the importance of ensuring such skills are well-embedded in organisational security teams and the wider security profession, so that organisations are not left exposed if key employees leave.

Perhaps moves by government organisations such as the US government's Cybersecurity and Infrastructure Security Agency to recommend cyber and physical convergence will promote a more codified approach. At the same time, the necessary knowledge and skill sets must be actively cultivated by the security practitioner and wider profession to secure organisational support for convergence, and ensure that security is effectively managed across often disparate units within organisations.



as improves. This means clearer video, smoother motion and a more realistic snapshot of what's happening at your carwash facility.

Consider 4K security cameras to maximize the image quality as well as the color of the footage. 4K high-definition (HD) resolution is four times the resolution compared to 1080p cameras. With a higher picture quality, 4K cameras support further digital zoom before seeing a loss of definition. Many also have a wide field of view for monitoring. This means owners can easily see the license plate of every car as it comes in for a wash. Capturing license plate information helps owners solve crime faster and keeps the site secure for guests.

Varifocal lens

A varifocal lens, otherwise known as a zoom lens, can adjust the viewing area and focus of the camera. This lets owners adjust what the camera is focusing on to give them wide panoramic footage or close-up views. It is recommended to look for a motorized varifocal lens with remote control access. As a result, owners can remotely control the zoom and angle of the camera at any given location.

These lenses have a wide variety of applications for car wash operators, such as facial recognition to help gather information on a person near a vehicle and zoom to verify that employees are following safety protocols. Additionally, a full panoramic picture is needed to view multiple washes at once or see the picture of the exterior of the building.

Multi-channel/surveillance center

Larger Car Washes require more surveillance cameras to oversee all aspects of their operations. In combination with their security cameras, owners need network video recorders (NVRs) or digital video recorders (DVRs). These devices work in tandem with the camera to receive the footage and then process it to

a drive or cloud. Both NVR and DVR have a maximum number of channels that the systems can handle. The higher the channel capacity, the more security cameras that can connect to it.

Consider using an NVR with a four or eight channel capacity for small carwash operations and 16 or 32 channel capacity for larger locations. Car Wash owners with multiple locations might be wondering how to view multiple locations remotely from their computers.

A network video management software system or security camera monitoring software allows owners to connect many IP cameras, NVRs and DVRs from multiple locations. As a result, owners can view all their physical locations and access the view from any camera through a computer.

Motion sensing technology

Rather than scrolling through hours of unwanted footage, motion sensing technology enables the security camera to begin recording when something moves in its field of view. Motion sensing technology conserves storage space and is only used when suspicious activity is detected. This allows owners to easily go back and review the tape.

Low light performance

Light issues are common, especially with self-serve carwashes, since the facility is unlikely to have lights installed. Night vision is a critical feature for security cameras to help record the dark interiors of the facility. Fortunately, night vision technology has advanced by leaps and bounds. Gone are the days of having blurry gray scale footage tinted with green.

Many high-end surveillance cameras offer color night vision, allowing the system to capture a broad spectrum of colors. Owners will obtain substantial visual information from a suspect, such as identifying vehicle colors, the criminal's type and color of clothing, and other useful information. Without quality nocturnal security cameras, owners only protect their businesses during the day. Color night vision can keep both dark interior spac-

es and building exteriors secure.

Extreme weather rating

Water is an obvious concern when it comes to searching for surveillance cameras suitable for a professional Car Wash as well as exterior environments. Due to the damp environment and pressurized water spraying, some owners are forced to place the camera in an inconvenient position.

It is vital to consider surveillance cameras for both indoor as well as outdoor use. Outdoor surveillance cameras feature durable casing to prevent vandalism and withstand inclement weather conditions.

Wet conditions and harsh weather can significantly reduce the effectiveness of security cameras and alter their useful lifespans. Therefore, security camera manufacturers have created a rating system to specify a camera's level of weather- and water-resistance.

Thus, the right security cameras can withstand these wet conditions. Indoor cameras should have an ingress protection (IP) rating between IP44 to IP65 and outdoor cameras should be between IP66 or IP67 ratings. High IP ratings ensure that the surveillance camera is completely protected from dust and can withstand strong water jets hitting it from all directions.

Rapid evolution

Illegal activity can significantly affect the profits of a carwash business. False claims of damage can cost thousands of dollars in legal fees and hurt brand reputation. Other threats include theft, vandalism, robberies, employee issues and other carwash-related crimes.²

Thanks to advancements in surveillance technology, Car Wash owners and operators are better equipped to fend off common threats and challenges. Carwash owners must stay informed on these advancing technologies and carwash security best practices to make informed decisions on protecting their businesses. Investing in the right security systems can exonerate owners from false claims and quickly alert authorities as soon as threats arise.

Video surveillance: The rise and rise of surveillance tech

From vandalism to theft and even false damage claims, owners and operators of automotive services, such as car washes, face potential crimes that could hurt a brand's reputation and long-term profitability.

Physical barriers, rolling gates and flood

lights aren't enough for protection. Security cameras and surveillance systems are needed to identify any suspicious activity. Equipping a carwash site with the latest technological advancements in surveillance equipment will help owners to monitor every area of their facili-

ties, deter illegal activities, provide proof for insurance claims and prosecute guilty parties.

High-definition footage

Identifying vehicles and license plates is crucial to securing a carwash. Every year, the picture quality of camer-

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SECURITY SOLUTIONS FOR HOMES & BUSINESSES

Established in 1983, Kawach has been the most trusted source of highly efficient and dependable electronic protection solutions for thousands of end users across India. As a Master Distributor of Jablotron, the world's leading European manufacturer of high quality intruder alarm systems, Kawach has access to the latest technological innovations. We provide a full range of wired and wireless alarms with GSM/LAN communicators, central monitoring stations, comprehensive training and support to our business partners.

JABLOTRON
CREATING ALARMS



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**INDUSTRY
EVENTS**

 USA 14-17 June 2022 ESX Electronic Security Expo Music City Centre Nashville, TN USA https://www.esxweb.com/	 INDIA 17-18 June 2022 Security & Fire Expo-South India Chennai Trade Center Tamil Nadu India http://www.safeindiaexpo.com/	 UK 21-23 June 2022 Infosecurity Europe Excel London United Kingdom http://www.infosec.co.uk/
 GERMANY 20-25 June 2022 Interschutz 2022 Hannover Exhibition Grounds. Germany https://www.interschutz.de/en/news/news-articles/new-date-for-interschutz-june-2022-11712	 INDIA 06-07 July 2022 International Police Expo 2022 New Pragati Maidan Delhi India www.internationalpoliceexpo.com/	 USA 24-26 August 2022 IAFC Fire-Rescue International Phoenix Arizona USA http://www.iafc.org/fri
 USA 12-14 September 2022 Global Security Exchange (GSX) Georgia World Congress Center Atlanta, USA https://www.gsx.org/	 SAUDI ARABIA 13-15 September 2022 Intersec Saudi Arabia Riyadh Exhibition Center Riyadh, Saudi Arabia https://intersec-ksa.ae.messefrankfurt.com/ksa/en.html	 GERMANY 20-23 September 2022 Security Essen 2022 Messe Essen, Norbertstrasse 2, Essen, Germany https://www.security-essen.de/impetus_provider/
 UK 27-28 September 2022 UK Security Expo 2022 Olympia London United Kingdom https://www.internationalsecurityexpo.com/	 INDIA 11 October 2022 Security Today Knowledge Summit 2022 Mumbai India http://www.securitytoday.in/knowledgesummit/	 TURKEY 13-16 October 2022 ISAF Security Exhibition 26th International Security Exhibition Istanbul Expo Centre Istanbul Turkey https://www.marmarafuar.com.tr/en/exhibition-programme/
 UK 13 October 2022 Consec 2022 Twickenham Stadium Twickenham United Kingdom https://www.securityconsultants.org.uk/consec	 CANADA 19-20 October 2022 Security Canada Central Toronto Congress Centre Toronto ON https://securitycanada.com/attend/central/	 SINGAPORE 16-18 November 2022 Fire & Disaster Asia 2022 Marina Bay Sands, Singapore Singapore http://www.firedisasterasia.com.sg/
 USA 16-17 November 2022 ASIS 30th Security Conference and Expo Javits Centre, New York, USA https://asisnyc.org/events/conference-expo/	 USA 16-17 November 2022 NDEM Expo 2022 Javits Center New York, NY USA https://www.ndemevent.com/	 RUSSIA 29 November-01December 2022 Sfitex 2022 Expoforum, St. Petersburg, Russia https://www.clocate.com/conference/Sfitex-2019/15316/
 INDIA 01-03 December 2022 IFSEC India Pragati Maidan, New Delhi India https://www.ifsec.events/india/	 DUBAI 17-19 January 2023 Intersec 2023 Dubai International Convention & Exhibition Centre Dubai UAE https://intersec.ae.messefrankfurt.com/dubai/en.html	 NORWAY 08-09 March 2023 Sectech Norges Varemesse Lillestrøm Norway http://www.securityworldmarket.com/sectech/no/index.asp

INTELLIGENT STORAGE



BETTER COST-PERFORMANCE RATIO

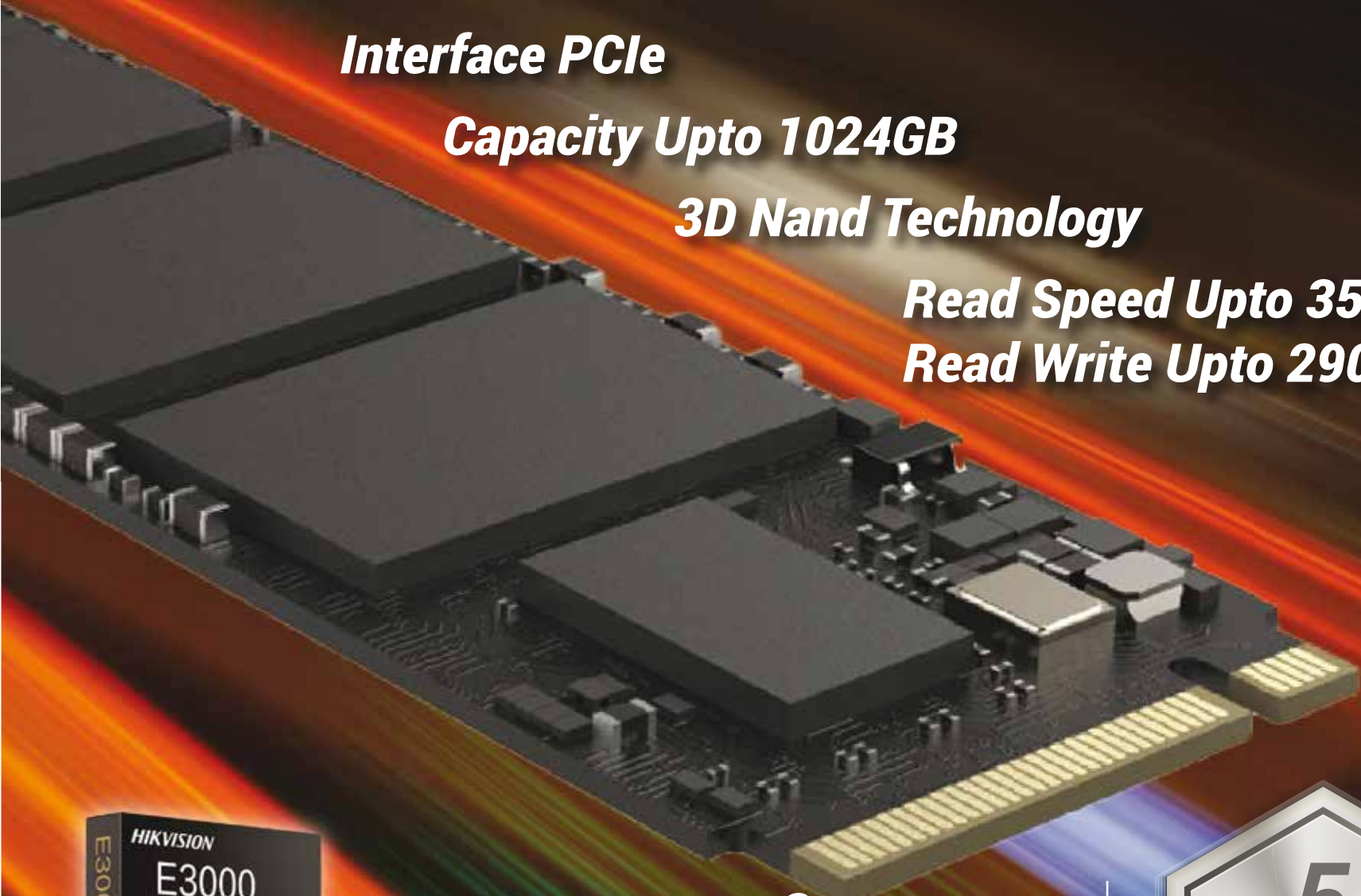
HS-SSD-E3000

Interface PCIe

Capacity Upto 1024GB

3D Nand Technology

Read Speed Upto 3520 MB/s
Read Write Upto 2900 MB/s



Support



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