APSA NETWORK NEWS

THE SECURITY INDUSTRY MOUTHPIECE

Inside Story

CP Plus Extends its Security to Primary Schools of SDMC Delhi

Hikvision Launches New Turbo HD X Security Solutions

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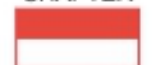
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EDITOR'S SPACE

Dear Readers,

At the very outset, it gives me immense pleasure to bring 35th Issue of the APSA NETWORK NEWS magazine. I, on behalf of APSA India chapter, express our sincere thanks to the Editorial team for its efforts and devotion. Its first Issue was published in July 2013.

A Paper on the "Security Analytics: Tools" is presented by Colonel Ashwani K. Sawani, Associate Editor. The Document addresses the need for security analytics, common analysis tool features, deploying and cost evaluation. I am certain, you will find it interesting as much as we appreciate to prepare.

A Paper on 'AI Applications and Security Innovation' by Hikvision, the world's largest provider of IoT solutions has show cased the latest technology and signature products during Secutech India, Mumbai on 27/04/2019. The special AI applications and AI Cloud demo one created the maximum interest among the security professionals. Commenting on the developments, Managing Director & CEO, Prama Hikvision India, Mr. Ashish P Dhakan said, "Being a leader in AI innovations, Hikvision has a long-term commitment to bring best in class technologies and innovations to offer solutions for different verticals.

CP PLUS has presented Case study on "Security Cover to Primary Schools of SDMC, New Delhi." Security of educational institutions with particular reference to ensure on-premise security of children has remained the prime responsibility of school administration; while in the SDMC primary schools, presence of minors has significantly raised the level of vulnerability on ground.

"Ocean of Opportunities for Private Security Agencies in India": is presented by Cdr. (IN) Sudhir Kumar. The Paper has focused on emerging fields for PSAs in designing and installing solutions.

A media report on "Metro line connecting to Jewar Airport First Plan by DMRC"is presented by executive Director, Indian Industrial Security Services (P) Ltd., M P Singh. The project is proposed to have 25 stations. I am certain you will be as excited as we embrace for more prosperity.

I also take this opportunity to thank all the members, advertisers and patrons who stepped forward to bringing APSA NETWORK NEWS Magazine on time and make an earnest request for their continued support.

Happy reading and stay secured,

Shiv Charan Yadav
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Security Analytics:Tools

Genesis:

Businesses are responding to the growing sophistication and number of information security threats by deploying tools that extend the capabilities of their current security infrastructures. For smaller enterprises, this means deploying deeper network defences and end-point protections. For large and mid size enterprises, however, it means deploying security analysis tools and analytics software to collect, filter, integrate and link diverse types of security event information in order to gain a more comprehensive view of the security of their infrastructure.

These types of security applications go beyond traditional 'security information and event management' (SIEM) tools to incorporate additional data and apply more in-depth analysis. Consequently, these events correlate occurring on different platforms to detect suspicious patterns of activity that span multiple devices.

Security analytics tools are not meant to replace existing security controls and applications, but rather complement them. In fact, security analytics tools analyse log and event data from applications, end-point controls and network defences.

Need for security analytic tools:

When a security breach or threat is detected, security analytics software can help by collecting network, log and end-point data.

The 2013 Data Breach Investigations Report from Verizon, USA found that 84 percent of successful attacks on Information Technology(IT) infrastructures compromised their targets within hours, while 74 percent of attacks were not discovered for weeks-and sometimes months or years. One of the reasons it is so challenging to detect attacks is these happen quickly. In addition, data indicating an attack is often dispersed across network devices, servers, application logs and end-points.

This makes it difficult to analyse a breach in progress and even hinders the ability to assess its impact. Furthermore, according to a Ponenom Institute report, 55 percent of survey respondents that experienced a data loss could not identify for certain what data was stolen.

Improving the speed of detection and analyzing the impact of an attack are key drivers to adopting security analysis and analytics.

Working of security analytics tools:

Security analytics tools help organizations implement real-time monitoring of servers, end-points and network traffic, consolidate and coordinate diverse event data from application and network logs, and perform forensic analysis to better understand attack methods and system vulnerabilities. Taken together, these functions help security professionals to assess how systems were compromised, which systems were affected and if an attack is still underway.

Security analysis tools do this by providing several broad services to meet the needs of security professionals. These include continuous monitoring, malware detection, incident detection and data loss reporting.

Colonel (Veteran)
Ashwani K. Sawani

If a security breach or threat is detected, security analytics software can help by collecting network, log and end-point data. This enables time-line and session analysis that can shed light on how the breach occurred and what systems were affected.

Common analysis tool features:

A number of features are common to security analytics software. These systems gather data from server and application logs, end-point devices, network and packets. In addition, these include advanced analytic capabilities with regards to the packet and its analysis, as well as event correlation.

Expect to see analytics methods based on both rules as well as statistical or machine learning-derived analysis. A statistics-based method might detect anomalous behaviour, such as higher-than-normal traffic between a server and a desktop, for example. This could indicate a suspicious data dump. In other cases, a machine learning-based classifier might detect patterns of traffic that has previously been seen with a particular piece of malware.

Security analytics tools also offer a single-point of access to event data. The consolidated view is useful for implementing features-such as time line reconstruction and forensic analysis-that support work flows for security analysts. These usually offer tools for compliance reporting, as well. And since visualization methods are almost always required for any complex analysis, expect to see those included in any security analytics products worth considering.

One of the most important aspects of security analytics software is integrating data from different devices and applications, as a single data source may provide insufficient information to understand an attack. For example, a security analyst may need to synchronize network packet data with application log data and end-point device data to get a comprehensive picture of the steps used to execute an attack.

Support for regulatory compliance is another common feature in security analytics tools, as it is important to be able to demonstrate that proper security controls are in place, functioning and most importantly being used to mitigate the risk of breaches.

Deploying analytics and analysis tools:
Security analytics tools are deployed as software, virtual appliances or hardware appliances.

A dedicated hardware appliance is an appropriate choice for high-traffic networks. Vendors can customise the hardware and software configuration to the demands of security analytics. These include the need to process large volumes of network traffic-steadily receiving high volumes of log data-and to apply computationally intensive analytics methods to that data.

Software and virtual appliances are options when security analytics tools are installed and deployed on existing company hardware that is sufficiently powerful enough to keep pace with the load. These options are well-suited to cases where organizations have the available server capacity to host a security analysis system, and are reasonably confident that they have the computational power in place to scale the deployment to meet any potential increases in load.

Evaluation and costs:
When evaluating security analytics tools, it is important to consider not just their analytic capabilities, but scalability and availability as well. Enterprises must anticipate the need to scale these implementations as traffic increases. Also, consider the need for high availability. If the security analytics platform is down for even a short time, informative events in an attack may be missed.

Cost is also a factor. Hard costs will include software licensing, hardware and training. Security analytics tools collect and pre-process data, but human judgment is still required to interpret the data.

Training:
It would also be prudent to take advantage of training from vendors to get the most out of a security analysis tool and to learn best practices from more experienced practitioners. A few crucial tips on how to efficiently filter data or create an insightful visualization could be well worth the time spent in training.

Be sure to anticipate harder-to-quantify costs, such as learning how to perform forensic analysis with the new tools and configuring the tools to collect data from existing security applications.

Conclusion:
Security analytics tools are becoming important as automated security measures such as antimalware and vulnerability scanning are becoming increasingly

challenged by emerging threats. These applications complement, those do not replace, existing security controls.

The purpose of security analytics is to detect attacks as fast as possible, enable IT professionals to block or stop an attack and provide detailed information to reconstruct an attack. They do this by collecting, correlating and analyzing a wide range of data. These tools also provide analysis environments for forensic evaluations and attack reconstructions. That way enterprises can study the methods used and vulnerabilities exploited to breach their systems and address weaknesses. Support for regulatory compliance is another common feature.

About author:
Addl. Director, Indian Industrial Security Services (P) Ltd., Colonel Ashwani K. Sawani is the Life Member, APSA India chapter and is also the Associate Editor, APSA NETWORK NEWS magazine since 2013. Living his life at the intersection of people and technology, Colonel Ashwani Sawani works with the global largest systems, products and technologies exploring digital transformation of its influence in the enterprise. Being a prolific writer, he has regularly contributed the APSA Network News Magazine with current security articles, analysis and case studies of national and of international interest.

In a recent held meeting, APSA India chapter, Awards & Recognition Committee has conferred with award of 'Excellence' – 2017' to Colonel Ashwani Sawani for his dedication, active support and contribution in furtherance of objects of the Association. He has been Chairman, Working Committees, Code of Ethics and Website Development-updates respectively. He is also the Life member of the Indian Society for Training & Development (ISTD), New Delhi.

Colonel Ashwani Sawani, Security Consultant has the privilege and honour to prepare integrated physical security architect design documents for Shri Saibaba Mandir Complex, SHIRDI and Shri Shani Dev Mandir, Sri Shingnapur (Maharashtra). He has also been humbly honoured being Trainer in Physical Security Sector to interact with Indian armed forces officers for their second career resettlement program under aegis of Directorate General (Resettlement), Ministry of Defence, Government of India, New Delhi from 1991 t0 2009.

Colonel Ashwani is one of the accomplished veterans of the elite combat support arm- the Intelligence Corps. Indian army and is aluminous of Emergency Course-4, 1963- OTA Chennai.

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HIKVISION
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Hikvision Evangelizes AI Applications and Security Innovations in Secutech India Expo, Wins Big at SECONA Shield Awards

HIGHLIGHTS

- Hikvision showcases latest products and solutions in AI, IoT, Robotics, IP and Analogue Video Surveillance, Access Control & Intrusion and Smart Home domains

- Hikvision representatives were part of panel discussions at SISSC on Smart City, Retail & AI themes

- Latest SECONA Shield award wins in Six categories affirms Hikvision's excellence in innovation (All-in-One Intrusion Security Panel) and their value proposition to offer vertical solutions for Real Estate, Education, Hospitals, Retail and Religious Premises

Mumbai, 27th April, 2019: Hikvision, the world's largest provider of IoT solutions, successfully launched and showcased their latest technology and signature products during Secutech India. The special AI Applications and AI Cloud demo zone created the maximum interest among the security professionals and visitors. The latest SECONA Shield award wins in the six categories reflects Hikvision's excellence in innovation and their value proposition to offer vertical solutions for E-Commerce Logistics Retail, Education, Hospitals and Religious Premises.

Hikvision unveiled new technologies and products including latest product series AI Application enabled DeepinView Cameras, DeepinMind NVRs, Face Recognition Terminals with a turnstile, Robotics, Access Control, Video Intercom, Smart Pole, UVSS, HDTVI Turbo 5.0, Easy IP 4.0 cameras and iVMS at Secutech India.

As a global leader the global leader in video surveillance and security product innovations Hikvision continues to bring the transformational technologies and its myriad applications to Indian market. Hikvision has created an experience zone to evangelize its AI Applications and AI Cloud solutions. At the event the live demos of AI based Face Recognition, People Tracking and Perimeter Protection applications evoked good response from the security professional community. Security professionals showed keen interest in Face recognition (Rich applications for various scenarios), Data Visualisation (Making operation more data driven) and Behaviour Analysis (Quick response to emergency events). Hikvision also introduced demos of new technologies in video surveillance, including Seamless Image Stitching, Smooth Streaming, Hikvision Acusense and Hikvision ColorVu.

Commenting on the developments, Mr. Ashish P Dhakan, MD and CEO, Prama Hikvision India, said, *"Being a leader in AI innovations, Robotics and security solutions, Hikvision has a long term commitment to bring best-in-class technologies and innovations and to offer solutions for different verticals like Smart City, Homeland Security,* *PPOG, BFSI, Education, Retail, Transportation, Hospitality, Tourism, Pharma, Healthcare, Mining, Heavy Industries, etc. Towards creating a more secure environment, we are proud to introduce the latest products and innovative technologies, including Artificial Intelligence, AI Cloud, Big Data and IoT. At this year's Secutech India, we have introduced AX Hub intrusion solution, PIR Cameras along with Smart Pole and Face Recognition Terminal Turnstile. We are sure that all the latest products and cutting-edge AI technology applications will empower the future of security and surveillance industry."*

Adding further about the latest award wins, Mr. Ashish P. Dhakan said, *"The big win at SECONA Shield Awards is a recognition of Hikvision's dedicated team efforts across the product categories and verticals. The awards won by the end-users in the field of Innovation Real Estate, Education, Hospitals, Retail and Religious Premises comes as an acknowledgement of our commitment to deliver best-in-class solutions."*

Hikvision also showcased PIR Cameras, PanoVu Cameras, Turbo HD X Cameras, Easy IP 4.0 Series Cameras along with the latest offerings in Access Control, Video Door Phone, Intrusion Alarm, Storage, Transmission, ITMS, Mobile and Portable solutions, iVMS, and EZVIZ Cameras. Hikvision booth vividly displayed the vertical solutions, including Banking, Education, Healthcare, Specialised Applications, Transportation, PPOG (Power, Petroleum, Oil & Gas), Retail, Hospitality, Tourism, etc.

At Secutech India Safety and Security Conclave (SISSC) Hikvision participated in a panel discussion on 'Smart Cities –The Next Five year Plan', Mr. A.L. Narasimhan, VP, Strategic Business Alliances, Prama Hikvision India, elaborated Hikvision's perspective on India's evolving Smart City implementation plan. On the second day of SISSC panel discussion 'Reshaping the supply chain & logistics security in E-commerce and Retail', Mr. K.K. Dakhara, Vertical Head- Retail, Warehouse & Logistics, Gems & Jewellery, spoke about advanced robotics solutions offered by Hikvision for the warehouse and logistics segment. In another panel discussion at SISSC on 'AI and its impact on Indian security industry' Mr. A.L. Narasimhan, VP, Strategic Business Alliances, Prama Hikvision India, emphasized that security industry can evolve to the next level with the help of AI Applications. He further added that AI application can help in driving intelligent actions and outcomes.

SECONA Shield Awards

The Fifth edition of SECONA Shield awards was announced by the eminent jury at a glittering ceremony concurrently held at Secutech India expo on the 26th April followed by

entertainment program and dinner. At SECONA Shield Awards, one product and five key projects executed by Hikvision's vertical solutions team have won the awards under six categories. Hikvision has won the best booth design award.

Best Booth Design Award Prama Hikvision India

- Innovative Security Accessory of the Year: PramaHikvision India Pvt Ltd for All–in-One Intrusion Security Control Panel

Innovative Security Accessory of the Year Prama Hikvision India Pvt Ltd for All-in- One Intrusion Security Control Panel

- Security Project of the Year-Video Surveillance: Flipkart India Pvt Ltd for CCTV system for Flipkart Warehouses
- Safe Educational Institute of the Year In Higher Education: Sanjivani Group of Institutes, Kopergaon
- Safe Hospital of the Year: Apollo Gleneagles Hospital, Kolkata
- Safe Housing Society of the Year: JP Decks Blue Project, Mumbai
- Safe Religious Premises of the Year: Shri Vallabh Nidhi Trust – Juhu (Mumbai)

Hikvision Booth at Secutech India Expo

- Best Booth Design Award : Prama Hikvision India

Hikvision booth at the event displayed the live demos of some of the latest technologies, including Artificial Intelligence (AI) Applications and AI Cloud. Hikvision partner Seagate, showcased their innovative solutions for various advanced applications at the booth. The live training programs on various Hikvision products during the show got good response from the security community. For Hikvision Secutech India was another enriching experience with security industry specific footfall, Connect Program and value-added business networking with security professional community.

About Hikvision
Hikvision is a world leading provider of security products and solutions. Featuring an extensive and highly skilled R&D workforce, Hikvision manufactures a full suite of comprehensive products and solutions for a broad range of vertical markets. In addition to the security industry, Hikvision extends its reach to smart home tech, industrial automation, and automotive electronics industries to achieve its long-term vision. Hikvision products also provide powerful business intelligence for end users, which can enable more efficient operations and greater commercial success. Committed to the utmost quality and safety of its products, Hikvision encourages partners to take advantage of the many cybersecurity resources Hikvision offers, including the Hikvision Cybersecurity Center.

For more information,
please visit us at www.hikvision.com.

HIKVISION
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Hikvision, the world's leading supplier of innovative security products and solutions, launches the latest generation Turbo HD Series-Turbo HD X, which is a complete system to help stopping intruders in real-time, and avoiding damage and loss of property.

TURBO HD X
RETHINK SECURITY
Active Protection. | Integrated Response. | Real-time Alerts

From passive monitoring to active deterrence, in a wide variety of applications

The Hikvision Turbo HD X series of cameras has a built-in detector that captures infrared light emitted by human bodies, distinguishing it from other visual 'noise'. Once the camera detects a potential intruder, its built-in siren flashes red and blue light and a loud sound with the aim of frightening the intruder away.

The Turbo HD X series can support a broad range of perimeter protection and security system processes for in-process warning, and evidence collection after an event. It enables transformation of the traditional monitoring and post-event investigation approach, and helps to change perimeter protection from passive monitoring to active deterrence in order to protect people and assets. It can be used in warehouses, residences, jewellery stores and more.

A complete end-to-end system

More importantly, the Turbo HD X is a complete and unified system, featuring front-end devices linking to back-end devices and a remote application. As the front-end alarm sends a warning to potential intruders, the system also triggers an alarm at the back-end, to notify security personnel. Users can also receive alarm information remotely, via an application on their mobile devices.
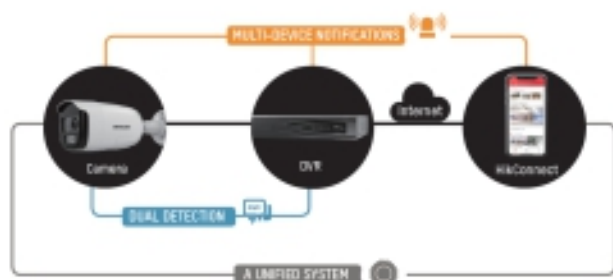
Even better false-alarm reduction

Turbo HD X cameras can also be integrated with Hikvision's cutting-edge AcuSense DVRs. The intelligent false-alarm reduction technology within these DVRs will disregard irrelevant movements picked up by the camera-such as rain, leaves and animals-and instead focus exclusively on human or vehicle movement. Together, this integrated solution dramatically reduces the number of false alarms, and ensures security staff focus on actual targets for greater efficiency.

Building on already impressive functionality

All of this builds on the impressive functionality that has been delivered by Hikvision's Turbo HD DVRs and cameras since their launch in 2013. In addition to impressive HD image clarity, the last six years of Turbo HD products have delivered a wealth of innovations to the market, including super-efficient bandwidth and storage usage and ultra-low-light video recording-all helping customers to enhance their security and perimeter protection.

Mr. Frank Zhang, the President of the International Product and Solution Center at Hikvision says, "Once again, we are bringing fresh ideas and new possibilities to the industry. Usually, video surveillance records are only searched for evidence after someone has suffered the consequences of an intrusion. However, criminals may give up further actions if they believe their behaviour has been detected. By stopping intruders in their tracks, the Hikvision Turbo HD X can help our customers to avoid costly damage and loss of property."

About Hikvision

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For more information, please visit us at www.hikvision.com.

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Some of Hot Selling models are **TES-302SB, TES-301SB, TES-701S, TES-8001B, TES- 8002SB (latest model)** in Hotel Segment. In Residential & Office Segment, we launched a new Bio 4 in 1 lock with advanced features.

(Biometric Lock - Operates through Fingerprint, Password, Smart Card & Mechanical Key, User Capacity 200 Fingerprint & Password, Double Quick Standard Lock, Battery Life more than One year normally)

We diversified our ranges in Hotel Segment with Digital Safe, Absorption based Mini Bar, Electric Kettle with Tray, Dryer, Wall- Mounted Hair Dryer, Energy Saving Switches, etc. Apart from this we enhanced our products in hospitality segment recently **we have launched our new products like Soap Dispenser, tissue dispenser, Automatic form dispenser, Urinal toilet sanitizer, Automatic fragrance dispenser etc.**

Toilet Tissue Dispenser   Fragrance Dispenser   Hand Dryer

Besides hotel segment, we also enhanced competitive products in **Retail security, Smart Home / Office solution, Excess control Gate Automation to our portfolio**.

Tekno products are innovative, techno proven and competitive. Our focus is to provide a fillip to the development of new and innovative Smart Solutions that directly impact the needs of end users.

Few of our Prestigious clients are Jindal Steel limited (JSW), NESAC unit of ISRO (North Eastern Space Application Center), Royal Hilton, Hotel Waii International, Hotel Arogyam, Hotel Royal Quest, Mukut Hotel & Resorts and more. **We are also expending our export in African countries, recently we have exported our products in Tanzania.**

www.teknoelectro.com

Tekno Electro Solutions is founded in 1997 by **Mr. Ajay Chaudhary (Managing Director)**. He has over 20 years' experience in Electronic Security Surveillance, Communication, Point to Point Wireless and Multipoint Networking, Hospitality & Retail Sector Security Solutions Smart Home and

Mr. Ajay Chaurdhary
Managing Director, Founder-
Tekno Electro Solutions Pvt. Ltd.

Office Automation. He headed & successfully delivered various projects of Video Surveillance Systems, IP Cameras Networking, RFID Based Access Control Systems VSAT Technology, Boom Barrier, Hospitality & Retail Security. His esteem expertise and experience are transformed in Tekno products.

Tekno Electro Solutions Pvt. Ltd. has independent & strong research & development team in Delhi, India. We have pan India dealers and distributer network. Our USP is to offer professionalism, authenticity & innovation through its security, delivery & services. Our techno-sales team regularly visit India & Abroad as Thailand, UAE, Oman, Sri Lanka, China, Bahrein etc. in different techno meets conferences & exhibitions. We believe in encouraging customers to contribute in the development and progression of brand by marketing a brand/product/service experience in order to remain in the minds and heart of the consumer for a long run. We have not only designed the finest products at competitive prices but also have focused on 360 marketing to increase our global footprint. Our Technical support team is always ready to assist you in after sales service. We focus on delivering such unique customer value where the customer can easily differentiate us in the marketplace from others. We believe in creation of customized solution through continuous new product development and improvements. You are guaranteed the optimum level of service with high quality products and service that we stand behind, whenever you deal with Tekno Products. Our vision is to become a trusted brand globally and we are looking forward to work with you to satisfy your needs at esteem level.

Tekno Electro Solutions Pvt. Ltd. has been conferred with many awards for its excellence. **Recently Tekno Electro Solutions Pvt. Ltd.** got the **"Best Company of Hotel Locks & Hospitality Products Award"** – in an event organized by Business Sphere.

CP PLUS Extends its Security Cover to Primary Schools of South Delhi Municipal Corporation (SDMC), New Delhi

Secures 300 plus SDMC primary schools across Delhi with advanced surveillance technology and once again, delivers cutting edge security solution to the SDMC.

The Background

Future of a society begins with the safety and security of its children. To ensure a safe and secure educational environment for the school-going children, SDMC was aiming to erect a dependable security infrastructure in its 334 primary schools across New Delhi.

Following this objective, SDMC mooted a project to procure the latest security and surveillance equipment and establish a surveillance regimen. In search of a reliable partnership through official selection procedure, this project required the supply, installation, commissioning and maintenance of CCTV surveillance cameras for on-premise safety and protection of the school students and effective monitoring of the teaching as well non-teaching staff. CP PLUS, the undisputed leader in Advanced security and surveillance solutions in India, proposed a comprehensive list of surveillance solutions for this righteous cause and eventually, partnered with SDMC to extend its security cover in the 300 plus SDMC primary schools.

Challenges Faced:

Security remains a critical aspect for the schools and educational institutions. Ensuring on-premise safety of school children becomes the prime responsibility of the school administration; while in the SDMC primary schools, presence of minors significantly raised the level of vulnerability on ground. Additionally, owing to increasing number of social crimes against the minors was also posing as a continuous threat. Introducing the aspects of surveillance and remote monitoring became a plausible alternative insight to ascertain protection of the school premises. Also, surveillance was one of the prime necessities in deterring every type of mischievous or unusual behaviour, tracking of suspicious internal activities and curtailing external threats such as acts of vandalism or violent terrorist attacks. Consequently, the school authorities planned to raise a well-structured security mechanism and activate the surveillance regimen in around 300 plus primary schools.

Solution by CP PLUS

CP PLUS, known for its state-of-the-art surveillance solutions, customer-centricity, and reliability since more than a decade, emerged as a trustworthy partner for this project. Realizing the criticality of the SDMC project, CP PLUS was up for action. CP PLUS team ensured not only better product solutions but also gave unmatchable support and superior quality of service in the supply of the required number of surveillance equipment and peripherals.

A total number of 344 SDMC primary schools were covered under this project. In quantity, more than 4,350 No. 2 MP HD Cameras along with 344 No. 16 Ch DVRs were commissioned and installed to safeguard the SDMC school premises.

Main areas where the installation and commissioning of CP PLUS security and surveillance solutions was carried out were:
  a) Principal's Office
  b) Main Entrance Gate
  c) All Corridors
  d) Toilets Entrance
  e) School Boundary Walls

The Impact

CP PLUS left no stone unturned in the execution of this project. A critical aspect of security-Remote Monitoring was introduced into the existing school apparatus, which was the pressing need for an educational institution with

large number of minor children on-premise. This in turn, enabled the school administration in preventing all types of security threats in an intelligent manner. Monitoring of the core areas in the school prepared the school administration to act against several security concerns at

the stage of detection; minimizing the risk of life-threatening scenarios. Threats which were downsized by scaling a robust surveillance mechanism were:

a) Tracking of visitors through surveillance of the entrances.
b) Monitoring of minor's safety via surveillance of the school corridors.
c) Detection of mischievous/unusual/violent behavior or suspicious internal activities.
d) Monitoring of non-teaching staff with surveillance cameras at the toilet entrances.
e) External threats, intrusion detection with the surveillance of boundary walls.

The project was executed with precision and

commissioning of all the surveillance equipment were complete as per the designated timeline. The entire execution process of the CP PLUS team was lauded by the SDMC authorities. Regarding the support and quality of service delivered by CP PLUS for the project, Education Director Mr. J.L. Gupta, shared his words of praise - "The project was quite elaborative and Education Director involved setting up of a surveillance mechanism in more than 300 SDMC schools. CP PLUS products and equipment fitted the project criteria very well. We received an excellent service delivery as well in the installation and commissioning of the security and surveillance equipment. A prompt execution was something we would like to express our gratitude for, and this project definitely raises our expectations from CP PLUS for future."

✖ CP PLUS — India's No.1 CCTV Brand

CP PLUS Eyes Middle East: Launches Stores Across Egypt

Egypt, March 2019: Crossing one milestone after another, CP PLUS, the undisputed leader of the surveillance industry in India, furthered its international presence with chain of exclusive store launches across the historic country of Egypt. Extending its territorial influence, CP PLUS launched its stores in-Alexandria, Port said, Mansoura, Cairo, Zagazg, Minya, Sohag, Qena, and Aswan; making its surveillance products and solutions available throughout the nine exclusive stores for Egyptian customers. A grand launch was organized across each of the CP PLUS store with a ceremonial cake cutting by the members of the CP PLUS team.

Commenting on the Egypt debut, Mr. Aditya Khemka, MD - CP PLUS ecstatically shared, *"We were looking forward to this launch and opening of the CP PLUS exclusive stores in Egypt is one of the proudest moments for us. It is exciting to expand our reach and see ourselves visible on this part of the world. Egypt should prove a favorable market for us since the on-going development and infrastructural advancements will be beneficial for the business to penetrate deeper. Also, this location will provide us with an opportunity to eye the neighboring locations of the middle eastern continent. We want to*

work towards making the Security and Surveillance domain a prominent and flourishing sector here, and target more and more customers to gain business mileage."

During the store launches, Team CP PLUS displayed specific surveillance solutions such as T & A Solutions (VDP Solution), Intelligent Network Solution, Artificial Intelligence based solution and HD Surveillance Solution among others. The CP PLUS stores in Egypt will house wide range of products starting from Network Camera, NVR Solution, Analog HD Camera, PTZ Camera, Digital Video Recorders, Biometric Solutions, VDP Solutions, Accessories and more..

The surveillance industry in Egypt is going through a transitional phase and the country's infrastructural development is rapidly evolving towards a brighter future. With the store launches, now the CP PLUS team will add another dimension to its international market reach. In addition, with this CP PLUS is foraying into understanding the customer sentiments and plans to work relentlessly in fulfilling consumer expectations in the Middle-east nation.

About CP Plus
CP PLUS is a Global Leader in Advanced Surveillance & Security Solutions, and the No.1 CCTV Brand in India. As per latest IHS 2016 report on World Security industry, CP PLUS is the Youngest & Fastest brand to enter the club of Top 4 Security Companies of the world and Asia's Top 2 Security & Surveillance Brands. CP PLUS offers the best in class products, solutions and services to fulfil a wide range of security needs and challenges. Key CP PLUS products include IP cameras, Time & Attendance solutions, Recorders, Video Door Phones, Home Automation solutions, and much more.

CP PLUS, Salman Khan & Bharat
Journey of A Man & A Nation Together

Noida, May 17, 2019: CP PLUS proudly announces its association with Salman Khan starrer blockbuster movie - Bharat as the official security partner. The movie Bharat is slated to release on the 5th of June 2019 and is directed by ace director Ali Abbas Zafar.

Bharat vividly showcases hues of patriotism in its core for the audiences. The movie will unfold unique tale of human emotions and the journey of a man played by Superstar Salman Khan essaying the lead role, who witnesses a transformational journey spanning through 60 years. With the release of the movie, Salman Khan's sheer popularity is likely to draw millions of his fans. Widely hailed as Superstar, Salman Khan is expected to leave his mark with this movie in India and throughout the world.

Excited with this association, Mr. Yogesh Dutta, COO - CP PLUS expressed, *"It is a privilege to be associated as the Official Security Partner of the Salman Khan starrer movie Bharat. We recognize that entertainment holds a special place in every individual life and impacts millions of people. We are glad to be recognized with the magnum opus and wish that the movie garners phenomenal response from the audiences and brings roaring success for the entire team."*

CP PLUS Introduces Health Monitoring System (HMS)
Your CCTV Health Card

Noida, May 8, 2019: CP PLUS recently launched an integrated platform for device monitoring-Health Monitoring System (HMS). The HMS will bolster device efficiency, performance and improve customer's experience.

Speaking on the launch, Mr. Aditya Khemka, Director - CP PLUS elaborated, *"We are going a level higher in providing our customers with intuitive experiences. The HMS will augment product efficacy by keeping a check on customer's cameras and devices. This platform will act as a comprehensive health monitoring system for every CCTV surveillance device and will simplify tracking, detection and resolution of any sort of irregularities or malfunctioning faster. Accessible through an online portal, with the HMS customers have the opportunity to draw maximum value from CP PLUS products and solutions."*

HMS is a SaaS-based service for Customers, Service Integrators (SI), and the SI agent to operate via the web portal. It is architectured to provide comprehensive health

information of registered devices and cameras, heightening efficiency and dependability. HMS will provide visibility to Customers, SIs (System Integrators), and SI (System Integrators) Agents regarding any breakdown in the system and enable them to check/detect issue through an interactive and user-friendly dashboard. Accessible 24/7, the HMS will notify and alert the participants (Users, SI, SI Agent) when any device incident pertaining to Device Malfunctioning, External Alarm Events, Network/Power Failure and Storage/Recording issues crops up.

Further more, the HMS will add value to CP PLUS products and solutions. As a primary source for checking device health status & information, the HMS will offer a wide range of benefits to customers.

- Push Technology: Edge devices push all critical events to HMS cloud server for instant notification.

- Critical Alarm Notifications: Device Offline/Online, IPC offline/online, Video loss, Camera masking, Recording status, External Alarm, HDD alerts
- Email/SMS Notifications: As soon as device

generates an alarm & send to server, an Email/SMS notification will be sent to user immediately

- Automatic Ticket Generation: For any incident/irregularity, a ticket will be generated and automatically forwarded to SI or CP PLUS customer support while the customer will be notified

- Auto Reporting System: An automatic report of device status will be generated and can be viewed by customer

- Web Based Monitoring: View the status of all the CCTV systems over the browser or the smartphone

- Easy to Use Interface: Simple 'traffic light' style warning system displays the status of all your customers, sites, and devices on a single screen

Highschool passouts will be now groomed for Information Technology(IT)Jobs

By Prerna Sindwani

HIGHLIGHTS

- **HCL Technologies has launched a work-integrated program 'Tech Bee' to create a deployment ready talent pool.**
- **The 12-month program will groom students in life skills and technical skills including software testing and development.**
- **The training program will include a monthly stipend of ₹10,000 and technical degree from India's premier institutions.**

Technology sector will no more remain a bastion ruled by engineers and engineers only. It is also opening doors to younger, less-educated students who are mere high schoolers, who will be trained for entry-level jobs. To this effect, HCL Technologies rolled out a work-integrated early

career program - 'Tech Bee'- in a bid to create a deployment-ready talent pool.

The 12-month program will cater to the younger generation and help them fetch a job in the IT sector. "With this program, HCL aims to hire the best talent and enable them to achieve financial independence at the start of their career. Students also earn a degree from leading universities that HCL has partnered with as part of this program," said Sanjay Gupta, Executive Vice President, HCL Technologies & Program Director – HCL New Vistas.

Students who end their education right after Std XII have few opportunities to seek employment. Only

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Metroline Connecting to Jewar Airport will have 25 Stations, DMRC Presents First Plan

HIGHLIGHTS

- The entire metro corridor will be 35.64km long of which 32.27km will be elevated and the remaining will be underground near the upcoming airport.
- Metro connecting to Jewar airport will have 25 stations, Delhi Metro Rail Corporation (DMRC) presents first plan

The proposed metroline connecting to Jewar airport via Knowledge Park 2 in Greater Noida will have 25 stations-24 along the elevated part and one underground - a report in the print media on 09/05/2019 said.

DMRC in its presentation given to the Yamuna Expressway Industrial Development Authority (YEIDA) on 07/05/2019 on the first phase of the metro line said the entire metro corridor will be 35.64km long, of which 32.27km will be elevated and the remaining will be underground near the upcoming airport.

The project is estimated to cost close to Rs 7,000 crore and expected to be completed by March 2025.

The publication citing officials said after the presentation on 0/05/2019, YEIDA suggested a few changes, including a completion deadline of 2023 as per Price waterhouse Coopers' (PwC) bid document projections (in the international airport project.

The DMRC was also told to look at traffic viability in line with techno-feasibility report of PwC (which includes projections of traffic flow from Haryana, Noida and Delhi) instead of traffic from Pari Chowk to Jewar.

M.P. Singh, M.A. (Socio) & (Pol. Sc.)

"DMRC's general manager BC Sharma and his team gave their initial draft report presentation on metro connectivity to Jewar from Aqua Line station near Knowledge Park 2. This included a 35.64km elevated stretch with about 24 stations and a 3.37km underground route close to the upcoming Jewar airport with one station," Shailendra Bhatia, additional CEO of YEIDA told.

However, YEIDA CEO, Arun Vir Singh has ruled out completion of metro work by 2025 and instead asked for work to commence at the same time as that of the airport. "We cannot have metro work incomplete and pending till 2025 while airport will be ready by 2023. Connectivity should be ready by 2023 that is before the airport becomes operational," he said.

Jewar airport will be the largest airport in India by surface area and the cost of this airport project is estimated to be up to $3.1 billion. The airport project will be implemented as a public-private partnership (PPP). Also, an aviation hub has been proposed to be constructed near the airport. This hub will be significant since the Jewar airport is expected to handle 60 lakh passengers annually when it opens in 2023.

"The entire stretch of the metro route from Pari Chowk to Jewar will have at least one station per sector to facilitate accessibility and commute. Some of the sectors expected to be covered on this route include; sectors 17, 17B, 20, 22D, 22E, 28 and 29."

The writer is Executive Director
Indian Industrial Security Services (P) Ltd

Hikvision Announces Full-Year 2018 and First Quarter 2019 Financial Results

Hikvision, the world's leading provider of innovative security products and solutions, discloses its full-year 2018 financial results. The annual report shows a total operating income of RMB 49.84 billion, corresponding to year-over-year growth of 18.93 percent. Net profits attributable to shareholders of the company amounted to RMB 11.35 billion, corresponding to year-over-year growth of 20.64 percent.

HIKVISION

FY2018 Financial Results

Total Revenue

US$ **7.42** Billion

18.93% YoY Growth

In 2018, the total operating income in domestic market was RMB 35.65 billion, with year-over-year growth of 20.18 percent; while overseas operating income amounted to RMB 14.19 billion, with year-over-year growth of 15.90 percent.

Key Accounting Data

	2018	2017	YoY Change (%)
Operating income (RMB)	49,837,132,481.61	41,905,476,572.07	18.93%
Net profits attributable to shareholders of the Company (RMB)	11,352,869,241.32	9,410,855,084.82	20.64%

The overall results were satisfactory given the complex market environment and slowdown in the domestic, Chinese economy.

During 2018, Hikvision continued expanding the number of domestic provincial-level business centres and opened five new overseas subsidiaries and multiple new branch offices. With confidence in the potential for future growth, the company maintained a high level of R&D investment and now employs more than 16,000 R&D engineers. The total workforce grew 31 percent to a total of more than 34,000 employees.

The company also succeeded in launching new technologies, products and solutions. Among them, the Hikvision AI open platform was further consolidated to accelerate the deployment of intelligent applications; new-generation DarkFighter X series intelligent cameras were introduced to provide more clarity in dark places; and face recognition terminals that help improve building operations, workforce management and safety operations; to name a few.

In 2018, Hikvision continued its investment in new business areas. The EZVIZ Smart Home business demonstrated healthy growth and maintained profitability, while HikRobotics started to achieve profitability. Further investments were also made in other new businesses such as Hikvision Automotive Electronics and Hikvision Intelligent storage.

Hikvision also announces its first quarter financial results, demonstrating a total operating income of RMB 9.94 billion, corresponding to year-over-year growth of 6.17 percent. Net profits attributable to shareholders of the company was RMB 1.54 billion, reflecting a year-over-year decrease of 15.41 percent. However, with recent increases in business opportunities in the domestic market and stable growth in overseas markets, the company do have a positive view on the second quarter of 2019.

About Hikvision

Hikvision is a world leading provider of security products and solutions. Featuring an extensive and highly skilled R&D workforce, Hikvision manufactures a full suite of comprehensive products and solutions for a broad range of vertical markets. In addition to the security industry, Hikvision extends its reach to smart home tech, industrial automation, and automotive electronics industries to achieve its long-term vision. Hikvision products also provide powerful business intelligence for end users, which can enable more efficient operations and greater commercial success. Committed to the utmost quality and safety of its products, Hikvision encourages partners to take advantage of the many cybersecurity resources Hikvision offers, including the Hikvision Cybersecurity Center.

For more information, please visit us at www.hikvision.com

An Ocean of Opportunities for Private Security Agencies (PSAs) in India

Introduction:

The induction of new technologies such as social media, mobility, analytics i.e. data analytics, Cloud and Internet of things (SMACT), machine and deep learning, quantum encryption, GPS and GSM, robotics, Block chain, Nano-technology, drones, cybersecurity, facial recognition, virtual and augmented reality, Real-time surveillance and situational awareness, physical security integrated management (PSIM) and artificial intelligence (AI) have not, only disrupted many walks of life and businesses, but also the private security industry in a big way. In addition, 5G and quantum computing are at anvil to revolutionaries it further beyond imaginations. The secure and robust network against hacking attacks and many other cyber attacks in order to maintain BCP are the challenges though it is a different ball game all together as maximum PSAs think in India it is not their domain and they hardly have DRPs in place to counter eventualities in various sectors or as to counter disasters in normal life as big disruptions.

This conventional mind set is still focused on manned guarding so they hardly upgrade skills of existing manpower hence customer is devoid of the best and optimised integrated security designs that are available globally. So, onus is on PSAs to come out from this comfort zone and let the customers of India embrace the best global solutions in this industry henceforth. The fusion of various technologies by the PSAs in their designs is still far away though maximum claims to possess them. The advent of so much new technologies simultaneously available commercially and innovative use of them in combination is indeed a challenge for consultants, solution designers, installers, implementers and maintenance teams. So, it is indeed a challenging time but side by side it provides ample opportunities for PSAs in India.

Let us have a look at some exciting fields that are emerging for PSA's in times ahead and such technologies as mentioned above are going to play a very crucial role in designing, installing solutions and offering services to these emerging areas.

India Smart City Mission:

100 Smart Cities are being developed as Greenfield & Brownfield projects and in every project centralised command & control centre are coming up as brain centre of these cities and also Smart traffic, parking, access points with ANPR and so many other electronic & physical security systems are being installed along with many types of sensors. So, right from consultancy & designing of integrated security solutions to running of operations with maintenance cycle are emerging opportunities for PSAs. The BCP & DRP of each city needs to be taken care of PSAs if they grab such opportunities. On the similar lines about 2.5 lakh Smart villages are going to be developed so this opportunity is huge but it could be exploited by those who are going to have skilled cross functional teams.

Domestic Aviation Sector:

About 36 new domestic airports have been opened & same number shall be coming up in next two years and PSAs have a chance to grab opportunities to install integrated security systems and take care of peripheral security around these airports.

Water ATM Management:

This is a new business that is emerging in big way so PSAs with required expertise could develop models to serve this new business.

Cdr.(IN) Sudhir Kumar

Water Resources Audits & Management:

Water resources are most important assets so there shall be a great responsibility to audit the same and manage them in a big way. The designs to cater such services need to be developed by the PSAs without loss of time. It shall involve manning of recycling and waste management plants. Also, to take care that no sewage without treatment flow in to rivers & canals shall also be under the ambit of such services.

Smart Border's Security & Immigration Management:

The Smart Borders Security Management Solutions are being installed and also there shall be a need to man them and also monitor them 24x7 at Centralised Command & Control Centre (C2C2). The PSAs with teams of required skills and an ongoing pursuit of re-skilling could take such responsibilities.

The Police & Private Security Partnership:

MHA is planning to implement Police reforms and one of the recommendations is that non-core police functions that account about 35 percent of duties of police force could be off loaded to the best PSAs who have skilled manpower to take over such responsibilities.

Inland Waterways Security Management:

The entire spectrum of security services is emerging to take care of water ways being developed in the country. A word to the wise so PSAs with requisite expertise could grab such opportunities.

Highway Emergency Response Services & Integrated Security Solutions:

Such solutions are being installed by OEMs that have problems in ops & maintenance of the same for longer period while PSAs have expertise to take care of Emergency Response Services but scope lies for those PSA who have expertise that are going to install complete solution with needed service and maintenance cycle. Indeed, it is a huge responsibility.

IPR Protection & Counter Counterfeit and Adulteration Services:

The need of such service with International expertise is emerging in a big way for Indian Market as India has become a hub for start-ups.

Disaster Management:

It is the biggest opportunity before PSAs in India but only those could avail who are having a leadership capability at top management as scope could be enlarged to a very high

scale to cover big areas of important geographies and cities

Conclusion:

These 10 such important emerging opportunities though there are many more. The most important message is that PSAs that are going to adopt emerging latest security and safety technology in their integrated security solutions and

accordingly who are going to re-skill their manpower shall be the winner as short cuts shall be outdated. Even the offering short-cuts or having relationship with government departments shall not support those PSAs who are not going to have the best international practices in every sense. These are purely views and I believe in them firmly and capable to design and provide such solutions.

CP PLUS
India's No.1 CCTV Brand

CP PLUS Upgrades Time Attendance Management Software Solution – (CPTAMS)

management mechanism that fosters efficiency and productivity across all the departments."

Elaborating upon the functionalities of the upgraded version of CPTAMS, Mr. Yogesh Dutta, COO - CP PLUS further explained, "CPTAMS is a comprehensive biometric attendance management solution to raise overall organizational productivity through regularization of the employee attendance. The software aims at ease of usage, customization, performance enhancement. It has been introduced to make attendance management viable and user-friendly, and both the versions of CPTAMS are capable of addressing varied needs of different types of customers. This upgrade will boost the usage and make time attendance management absolutely seamless for every organization."

In a nutshell, CPTAMS modernizes time attendance management across all departments and helps in organizing workforce operations from across multiple locations. It is a suitable attendance management solution for firms of all shapes and sizes. From managing employee attendance, leave & holiday management, alerts and notifications, device support, customized reports, CPTAMS accurately addresses the core requisites of streamlining employee attendance management thereby, boosting productivity and heightening efficacy of the workforce.

With this upgraded version of CPTAMS, customers can take advantage of some unique and useful features stated below:

CPTAMS Lite:
- Attendance, leave & holiday management
- Outdoor attendance
- Email and SMS alerts
- Customized reports
- Lite application

CPTAMS Pro:
- Attendance, leave & holiday management (push data technology support)
- Outdoor attendance & auto shift
- Email and SMS alert
- Attendance auto and manual (syncing with databases)
- Customized reports
- Supports more than 20 reports

Noida, March 12, 2019: Enabling customers with state-of-the-art security solutions for over decades, CP PLUS recently upgraded its elaborative range of biometric software solution-CPTAMS, aimed at augmenting the overall product experience and introducing an organized approach to workforce management. CPTAMS (CP Time Attendance Management Solution) will encompass an all-inclusive range of biometric fingerprint readers accompanied with management application in pre-loaded software CDs. CPTAMS will be available in dual versions - CPTAMS Pro and CPTAMS Lite having wide array of features for end-users.

Regarding the upgrade, Mr. Aditya Khemka - MD, CP PLUS said, "CPTAMS was conceived to offer a viable range of biometric product plus software solution for the customers. The upgrade was on the cards and we have focused mainly to enhance usability, performance and have added more features to cater a wider customer base. CPTAMS is a new-age biometric time attendance management software solution for customers who are looking for a hassle-free and sophisticated attendance

Private Security Sector Security Manager of Tomorrow

By Colonel Ashwani K. Sawani

"Artificial intelligence (AI)Technology is creating a fundamental shift in practice of security. The nature of security management changes in organizations; working environments, equipment, type of information, decision- making strategies, and most importantly, the expectations on security managers are occurring ".

Overview:

The increased absorption of Internet protocol (IP) video network surveillance and electronic access control systems are playing a large part in changing the security landscape. However, there are a number of other dynamics, which are contributing to the move away from the traditional context of security. Together, with technology trend and to some extent because of the cost of it, there is also an increasing emphasis on security becoming part of the value-added business process. Executives, while embracing expensive technology, want to know the manner, the security department can add value or reduce cost within the operational process and show material impact on the bottom-line. Increasingly, there is also a focus on outputs, the department has to show for its efforts rather than the type of duties it is performing. Last but not the least, organizations are changing in line with new business ground rules, thus becoming more flexible, changing staffing patterns and the way people work, and redefining their boundaries.

These developments present major challenges and opportunities in the security functions and have critical implications for the responsibilities and working approaches of security directors and managers. With the (IP) video network surveillance and electronic access control areas surging ahead, the appreciation of the consequences, implementation issues, and skill base technologies are left behind. Persons in Engineering, Information technology (IT) and human resource (HR), who only a few years ago would not have been linked to security operation, in any way, are suddenly absorbing the security concepts, doctrines and as security specialists being essentials for effective operations. For security managers, there are number of areas which are critical to pay attention to, and not only be familiar with, but proficient in, if they are to retain their leadership role within their own discipline. The critical skill areas are discussed in succeeding paragraphs.

Risk management:

Risk management is a key to dealing with many of the new developments and responses in the security area and is rapidly being acknowledged as the cornerstone in security functions. Increased sophistication about risk management, in turn greater awareness of the operational process, are essential components of security

management. The positioning of technology within the organization can only be made cost-effective through a clear appreciation of the risk areas and suitability of the security equipment within those areas. Furthermore, any cost justification of security initiatives should ideally be quantified within some kind of risk model, which illustrates the organizational impact and benefit of the technology. While, there is fairly extensive risk assessment within several of security operations, it needs to be recognized more broadly that security managers will be using this as the basis for strategic decisions for the future. It will define the competitive edge that they have as security managers. The risk management area is rapidly becoming a main stay of tertiary security qualifications in obtaining environment.

Integrated systems' thinking shows a multifaceted approach to security in technological environments. There is a danger that a number of technological and procedural systems will be implemented in the security department as separate components. The security managers need to maintain the integration of these systems around a common purpose that will determine ultimate departmental performance. In this context, links and compatibilities between the different systems need to be ensured and the information produced by the systems should compliment and enhance an overall understanding of security concerns.

For example, cooperation between (IP) video network surveillance and security Investigation needs and follow up surveillance can realize major success. Another example is integration of Access control into (IP) video network surveillance and monitoring to ensure identification of personnel or controlled access and monitoring in high-risk areas. Integrated security systems will include the ability to take a multidisciplinary perspective.

For example, the use of rules based controlled access can lead to benefits in ensuring that, not only do the right people have access to a particular area, but they do their work within prescribed guidelines and time periods seen as the appropriate standards.

Designing security systems:

The ability to design security systems is a key requirement

for the security manager in the emerging technological world. This will mean that the security manager will acquaint with the broad knowledge of outputs that will be required from the security department in terms of equipment's specifications of those outputs and the risk analysis. The security manager would need to be in a position to make informed choices about the systems. This requires both an understanding of technical system issues, as well as the capability of the technology and its applications. More generally, it will demand the ability to conceptualize the way that systems will operate and relate to one another.

The implementation of data management systems such as pen-drives, tape video/ external storage management systems also needs to be addressed as part of the implementation of technology systems. Project management skills become a requirement as the design moves to the implementation stage.

Finally, the ability to put together audit requirements and approaches to evaluate the system operation and its effectiveness is required. It is the security manager who needs to define the standards that the system should perform to, and not the role of service providers. Audits should be broad based and examine whether the department is achieving the relevant strategic outputs. It is also the security manager's role to determine the strategic technology direction and capacity of the department.

Effective information utilization is probably one of the most under recognized but most demanding consequences of the implementation of high technology systems for the security manager. Computerization, particularly of access and surveillance functions, inevitably leads to massive amounts of data that needs to be arranged and organized in order to become management information system. The ability to conceptualize what is needed, to organize the data in a meaningful way, and to interpret the findings of the data is likely to create a whole set of new demands for traditional security managers unused to dealing with such data. Yet, it is this system data that will reflect the biggest potential benefit of the technology systems in the form of being able to recognize patterns and anomalies that provide a basis for the detection of suspects and risk areas. Working with this information requires a move from the deterrent- based physical environment of traditional security to an analytical, partly intuitive and intellectual appreciation of fairly abstract data. Without a clear concept of how this information can be handled, combined and used, the strategic impact of the system is lost and the technology merely replicates a physical activity, like substituting an electronic log entry for a physically written one.

Absorption of computers:
Computer usage and skills are also likely to be drawn on significantly more as the manager not only has to access the system, but also process information using MS Office suite program and database functions. While this kind of activity can be delegated, the ability to understand what is reflected in the information and to examine different scenarios is hard to do by remote and yet represents an important part of management. Increasingly the ability to do data manipulation and exploration through computers will become a key part of security management skills.

The security manager's move to greater involvement in issues which affect the operational process increases the need for the security manager to be well versed in the formal and informal dynamics of executive decision making. The need to deal with other managers likely to be directly involved within security projects such as the General Manager and Information technology (IT) manager also increases the need to be skilled in general managerial practice within the organization. Integrating security effectively into the operational process requires that the security manager be fully versed in the operational environment and able to speak off a base of mutual understanding of other people's disciplines. Further, the security manager will be called upon to provide a high-level expertise comment and information on organizational implications of security technology systems and needs to be in a position to do so. The move to technology also leads to an associated change in staffing represented by an influx of skilled manpower.

The security personnel will require different management styles from those associated with grassroot level and traditional security functions. Generally proud of their expertise and having relatively high mobility in a market demanding such skills, motivational and managerial styles need to change to suit such staff. Also, performance management becomes more critical as skills and outputs are centralized among a smaller number of personnel on whose performance system effectiveness rests. Motivation of staff under specific conditions such as (IP) video surveillance command centres and IP video control rooms will also provide new challenges.

Dealing with the challenges:
The security managers will deal and adjust to the daunting challenges of technology and the changing environment. Firstly, despite a shortage of highly skilled personnel within the security industry, there are a number of well-established installation companies who provide a

substantial resource to set up. However, this assistance needs to be taken in conjunction with a good technical appreciation and understanding of systems generated from industry reviews and visits to "model" sites. Guidelines and codes of practice are also emerging to provide resources and standards. This should allow security managers to become more familiar with requirements.

The need for investments in training is increasingly becoming recognized as personnel in technology areas traditionally strong in such training become increasingly involved in security support. Ongoing training and familiarization with both existing systems and new technology should occur on a regular basis, including advanced level courses for the security manager. The potential for studying towards professional qualifications that provide insights into the new applications exists on a part-time capacity.

Finally, a common strategy for set up – the trend towards global strategic partnering can be followed within the organization as the security department becomes more integrated with service and functional units within the organization and uses a broad spread of resources. In a number of set up there is a growing trend for the more traditional security perimeter protection function of security to be contracted outsourced while an inner core of high-tech security staff manages the latest state-of-art electronic and IP video network security systems. On the other hand, there is likely to be greater movement into the security area of non-security related staff who has expertise in the electronic and technical areas. Security managers who come from a solid background of asset protection who are also effective system developers and implementers have a crucial role to play in ensuring that such systems are effective and deliver on the promises. From their own points of view, the rapidly expanding of (IP) video network surveillance and access control systems are already creating a high demand for such skilled personnel and they will be prominent in security industry in the future.

About author: -

Addl. Director, Indian Industrial Security Services (P) Ltd., Colonel Ashwani K. Sawani is the Life Member, APSA India chapter and is also the Associate Editor, APSA NETWORK NEWS magazine since 2013. Being a prolific writer, he has regularly contributed the APSA Network News Magazine with current security articles, analysis and case studies of national and of international interest.

In a recent held meeting, APSA India chapter, Awards & Recognition Committee has conferred with award of 'Excellence – 2017" to Colonel Ashwani Sawani for his dedication, active support and contribution in furtherance of objects of the Association. He has been Chairman, Working Committees, Code of Ethics and Website Development-updates respectively. He is also the Life member of the Indian Society for Training & Development (ISTD), New Delhi.

Colonel Ashwani Sawani, Security Consultant has the privilege and honour to prepare integrated physical security architect design documents for Shri Saibaba Mandir Complex, SHIRDI and Shri Shani Dev Mandir, Sri Shingnapur (Maharashtra). He has also been humbly honoured being Trainer in Physical Security Sector to interact with Indian armed forces officers for their second career rehabilitation program under aegis of Directorate General (Resettlement), Ministry of Defence, Government of India, New Delhi from 1991 t0 2009.

Colonel Ashwani is one of the accomplished veterans of the elite combat support arm- the Intelligence Corps and is aluminous of Emergency Course-4, 1963- OTA Chennai.

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Complete security solutions
for bank branches

Everyone has a favourite heist film-whether it is a traditional 'shoot 'em up' like 'Bonnie and Clyde', or something a bit more hi-tech, like 'Oceans 11' they are compelling viewing. However, more often than not, the audience sympathies are with the thieves. Of course, in reality, bank robberies cause a lot of damage, stress and injury, let alone the financial losses. Hikvision has all kinds of state-of-the-art technology to provide a full security solution for the banking industry-from the lobby to the vault deep within the bank's walls.

It is not just in security where banks are exploring the use of technology to gain an edge. According to a report by Celent, a research, advisory, and consulting firm focused on financial services technology, IT spending in banking globally will increase by 4.2% annually, and amount to $272.6 billion in 2019. There are a number of priorities for banks. The most obvious ones are securing customers, employees and assets, but there are also considerations like collecting reliable video clips for investigation, intelligence to help them make business decisions and streamlining processes to manage all of their branches effectively. In the end, like all business, they are also looking to increase customer satisfaction. The development of surveillance technology gives banks significant flexibility and new opportunities to build an interesting future, and this has scope across the entire bank.

Entering the Bank the front door and the lobby
Banks need to be aware of who is coming in and out-the starting point of monitoring. Clarity is important here, especially since the environment could lead to strong back lighting (on a bright day when the light behind the person coming in is a lot stronger than the ambient light inside). This is where WDR-enabled cameras come in, with the technology rendering a crystal−clear image, even in this environment. Super WDR can reach up to 140db, making faces clearly visible.

It is also useful for banks to know footfall numbers of people coming in-to help with business decisions. A People Counting camera at the entrance takes care of that, with smart technology able to distinguish individuals, so they are only counted once, ensuring an accurate count.

With a busy bank having large numbers of people enter through the doors every day, it could be useful to be able to identify them. Technology can, of course, be used for security-to trigger attention and action needed if 'unwanted' people are detected for example. But it can also be used to help with customer service. When clients opt to participate in VIP customer service programs technology can give banks accurate tools to identify VIPs so staff can provide the right kind of service at the right time.

At the counter
The main day-to-day activities of the bank happen at the counters. Counter transactions need to be recorded clearly to solve the disputes. HD cameras can give 4K resolution to provide good images where a bilateral close-up view is needed.

When recordings are clear, both counter staff and customers are protected, should any disputes need to be resolved. Of course, cameras give close detailed images available for general security too.

Security deep in the vault
In the depths of the inner bank lies the vault-usually the first priority for security in any bank. Because vaults are often in low light areas, ultra-low light cameras like Hikvision DarkFighter are really useful to be able to monitor and record crystal−clear images even in the dead of night.

When the security around the vault needs to be strengthened, there are other options too, which can be supported by a Hikvision DeepinView camera. If the camera is connected to an access control system, it could literally be that only people whose face is stored on the 'white list' could enter.

Often, access corridors and areas close to the vault will be covered by cameras too-giving a full overview if a person's movements need to be tracked through the building. Video analytics rules can also be set up to alert operators if a person ventures beyond a certain point-useful to prevent non-authorised persons from entering more sensitive areas.

It all comes together in the Security Centre
The place that few people see is the hub of all of the security activity. Feeds from all of the cameras can be managed and stored in the Security Centre using a video management software solution, like Hikvision HikCentral, simplifying security processes. Users can also access the security system via laptop or mobile which increases flexibility and efficiency of the security operations.

Technology is evolving with banking
With banks evolving and offering more and more services to their customers, the security challenges are also changing. The need to be constantly aware of who is in their building and monitor all activities-from the main lobby and banking counters to the vault itself. And bringing all of this information together becomes more important too-not just so that operations staff can access it when needed, but also because it provides valuable support for business decisions. That is when surveillance starts to add a lot more value-helping them to serve their customers and improve the experience they have when using the bank.

Of course, the likelihood of most of the famous heists in film history actually being pulled off becomes very slim in the face of smart new technologies to monitor and secure our banks. Some of us will probably have to stick to routing for the villains in our favourite heists movies….

For more information, please visit us at www.hikvision.com

Noida Chapter ISTD Organized Health Wellness & Fitness Interactive Session

By Colonel Ashwani K. Sawani

In furtherance of objectives of Indian Society for Training & Development (ISTD), Chairperson ISTD Noida Chapter, Seema Sinha has invited an august gathering for Interactive session on Health & Wellness: Nutrition, Diet & Fitness at Hotel Golf View, Sector 37, Noida on 27 April, 2019.

The program has been planned and organized under aegis of Senior consultant (L&D) MBA (HRD), PGCHRM (XLRI), Dip-(T&D), B. Com. (H). Anuja Sehgal- one of the experienced human resource (HR) training & development, research, mentoring and consulting professionals having 17 years of experience in the corporate world in the key areas: HR operations, strategy planning, employee development, recruitment, talent management, retention strategy, assessment, employee welfare, Employee engagement, organization development and events management.

The event has been well attended and appreciated by one and all. The event commenced with lighting of lamps. The lighting lamp ceremony was initiated by distinguished active member, Colonel Ashwani K Sawani followed by other luminaries. Group Captain Vinod Kumar-VSM,

Member M C has conducted, compered and set the stage ablaze with his oratorical skills. The sponsors and speakers, who have been kind and generous to make this event possible are as follow:

Promotional organizing partner:
Managing director, Swift Hawk Services, Colonel K S Mehta, Veteran with more than 30 years of service, has formed Swift Hawk Services in 2013- an ISO certified agency- and Micro Enterprise under Micro, Small & Medium Enterprises Development (MSMED) Act, 2006 The Agency provides highly professional security guard services to various public sector undertakings (PSUs) like; GAIL, Indian Oil Corporation, Power Grid Corporation and many more corporate houses and guest houses of Income Tax Department.

Secretary, National Adventure Foundation (NAF), Colonel S K Nagpal, Veteran with more than 38 years of service has been conducting Adventure activities for AMITY UNIVERSITY, BML Munjal University & Outbound trainings for corporate sector including Tata Consultancy Services. He enlightened us more on the activities of NAF during the program.

Promotional learning partner:
Wing Cdr KK Verma, Director, Innovative Institution of Unlearning, Veteran Indian Air Force. He envisions to bring about a change in the mindset of the people, that it is time to unlearn what we have learnt and learn the new ways of life befitting the demands of the VUCA world. He has authored two books and presented papers on the topic of 'Unlearning'. Wing Cdr. Verma is a member of the Harvard Business Review Advisory council and several other reputed human resource development organisations.

Program partnership:
Ms Suneet Kaur is one of the Lifestyle Specialist and has obtained M.Sc. (Foods & Nutrition) and B.Ed. She has worked for VLCC Healthcare as the Vice President and Operational levels in Slimming & Wellness fields for about

two decades. across India and Dubai. She has been actively involved in planning and raising of new VLCC centers, recruitment, training and development of the staff. She is a core weight management and beauty specialist. She presently, counsels on Wellness & Lifestyle management.

Ms Manjari Chandra has served as a Clinical Nutritionist and Chief Consultant for over 22 years in some of the hospitals of repute in India. She has a Master's degree in Clinical nutrition and Dietetics and currently pursuing certification in functional medicine. She is actively involved in state and national level symposiums and workshops on health, fitness, food safety, critical care and public health as a speaker and as a panelist. She is a regular contributing writer with TOI, The Week, HT, Health and Nutrition, Indian Express, Outlook etc. She is a regular Health Expert on television shows on India Today, MIRROR NOW, CNN News 18 and ZEE news. Presently she is working as a Functional Nutrition Consultant at Daivam and Max Healthcare. She is the Founder of 'Manjari Wellness'.

Dr Timira Shukla-Moderator. She is the Professor-Management and Dean-Academics at the Jaipuria School of Business, Ghaziabad. Her research area is management education that includes soft- skills i.e. behavioural, attitudinal, communication, inter-personal, and team-building skills, and in the marketing domain it includes management research, services marketing, selling and consumer behaviour. She has over three decades of experience in teaching, research and consulting. She has published three edited books, more than 70 Articles/ Research papers/ Case studies in acclaimed journals at national and international level.

This event has been made possible only with the program partnership of Manjari Wellness, National Adventure Foundation, Swift Hawk Security Services and Innovative Institute of Unlearning. The session was declared closed by Anuja Sehgal, the Program director of the event.

About author:

Addl. Director, Indian Industrial Security Services (P) Ltd., is the ISTD Member MC Noida Chapter. Living his life at the intersection of people and technology, Colonel Ashwani Sawani works with the global largest systems, products and technologies exploring digital transformation having its influencing the enterprise. From Big data to IoT to Cloud computing, Colonel Ashwani Sawani makes the connections between business, people and technologies that are required for enterprises to benefit most from their security systems' projects.

Being a prolific writer, he has regularly contributed the APSA Network News Magazine with current security articles, analysis and case studies of national and of international interest. In a recent held meeting, APSA India chapter, Awards & Recognition Committee has conferred with award of 'Excellence-2017' to Colonel Ashwani Sawani for his dedication, active support and contribution in the furtherance of objects of the Association.

He has rendered human resource (HR) professionals in Security, education, training and awareness (SETA) in Physical Security Sector for Training & Development and interact with Indian armed forces officers for their second career resettlement program under aegis of the Directorate General (Resettlement), Ministry of Defence, Government of India, New Delhi from 1991 t0 2009.

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Physical Security Elements of Access Control

By Colonel Ashwani K. Sawani

HIGHLIGHTS

- **Identification:** For access control to be effective, it must provide some way to identify an individual.
- **Authentication:** Identification requires authentication.
- **Authorization:** The set of actions allowed to a particular identity makes up the meat of authorization.

Your Security Needs & Access Control

Necessity:

When it comes to protecting your home or business, as well as the building's occupants, access control is one of the best ways for you to achieve peace of mind. But access control is much more than just allowing people to access your building, access control also helps you effectively protect your data from various types of intruders and it is up to your organization's access control policy to address which method works best for your needs. There are a number of access control systems you have to choose from to use in your residence or business facility; some outperform others. Outlined below are overviews of the three basic types of access control systems that are available. So, you can see which is the best suited for your day-to-day operations.

Access Control Systems

Types:

In brief, access control is used to identify an individual who does a specific job, authenticate them, and then proceed to give that individual only the key to the door or workstation that they need access to and nothing more. Access control systems come in three variations:

    I.   Discretionary Access Control,

    II.   Mandatory Access Control, and

    III.   Role-based Access Control.

I. Discretionary Access Control:

Discretionary Access Control (DAC) is a type of access control system that holds the business owner responsible for deciding which people are allowed in a specific location, physically or digitally. DAC is the least restrictive compared to the other systems, as it essentially allows an individual complete control over any objects they own, as well as the programs associated with those objects. The drawback to Discretionary Access Control is the fact that it gives the end user complete control to set security level settings for other users and the permissions given to the end user are inherited into other programs they use which could potentially lead to malware being executed without the end user being aware of it.

II. Mandatory Access Control:

Mandatory Access Control (MAC) is more commonly utilized in organizations that require an elevated emphasis on the confidentiality and classification of data i.e. military institutions. MAC does not permit owners to have a say in the entities having access in a unit or facility, instead, only the owner and custodian have the management of the access controls. MAC will typically classify all end-users and provide them with labels which permit them to gain access through security with established security guidelines.

Role-based Access Control:

Also known as Rule-based access control (RBAC) is the most demanded in regard to access control systems. Not only is it in high demand among households, RBAC has also become highly sought-after in the business world. In RBAC systems, access is assigned by the system administrator and is stringently based on the subject's role within the household or organization and most privileges are based on the limitations defined by their job responsibilities. So, rather than assigning an individual as a security manager, the security manager position already has access control permissions assigned to it. RBAC makes life much easier because rather than assigning multiple individuals' particular access, the system administrator only has to assign access to specific job titles.

Conclusion:

As you can see, when it comes to choosing the type of access control system that is most suitable for your organization, there are a number of factors involved. Some of those factors include the nature of your business, security procedures within the organization, and the number of users on the system. Places of business with small or basic applications will probably find Discretionary Access Control to be less complicated and better utilized. If, however, you have highly confidential or sensitive information on your business platform, a Mandatory access or Role-based access control system are two options you may want to consider.

Hikvision, the world's leading supplier of innovative security products and solutions, has introduced new AcuSense network camera series to its EasyIP 4.0 security solutions. Featuring a strobe light and an audio alarm, the new cameras can immediately deter intruders from entering a prohibited site, further enhancing the safety of premises and property.

Deter intruders with strobe light and audio alarm

At the core: faster, more accurate intrusion detection

Importantly, Hikvision AcuSense network cameras build on the same cutting-edge intrusion detection functionality found within the existing Hikvision EasyIP 4.0 security solutions.

When a potential threat is detected by the camera, it uses its intelligent false alarm reduction technology to disregard irrelevant movements, such as rain, leaves and animals. Instead, the camera focuses on human or vehicle movement, dramatically reducing the number of false alarms for faster, more accurate intrusion detection.

An enhanced deterrent: strobe lighting and alarm

Once a potential intruder has been accurately detected, the AcuSense network camera triggers the built-in strobe light and audio alarm. This is designed to warn the intruder off before they attempt to breach the perimeter. The volume of the audio alarm and the brightness of the strobe light can be adjusted to suit the environment.

Reliable operation, day or night

The AcuSense network camera range can deliver this powerful intrusion detection and prevention at all times of day or night. Powered by Hikvision DarkFighter technology, all cameras in the range deliver superior surveillance images, even in ultra-low light.

Four products to suit different applications

The new AcuSense network cameras are available in bullet and turret styles, and in 2MP or 4MP resolution, making a total of four different camera options available.

Better service, greater peace of mind

Mr. Frank Zhang, General Manager of International Product Marketing Department at Hikvision says, "AcuSense technology is already cutting-edge. By adding the strobe light and the alarm, we can now give our customers the chance to prevent incidents from happening in the first place, for even better security. We're delighted to be able to help our customers protect their property in ever more valuable ways."

About Hikvision

Hikvision is a world leading provider of security products and solutions. Featuring an extensive and highly skilled R&D workforce, Hikvision manufactures a full suite of comprehensive products and solutions for a broad range of vertical markets. In addition to the security industry, Hikvision extends its reach to smart home tech, industrial automation, and automotive electronics industries to achieve its long-term vision. Hikvision products also provide powerful business intelligence for end users, which can enable more efficient operations and greater commercial success. Committed to the utmost quality and safety of its products, Hikvision encourages partners to take advantage of the many cybersecurity resources Hikvision offers, including the Hikvision Cybersecurity Center.

For more information, please visit us at www.hikvision.com

UNITED NATIONS GLOBAL COMPACT NETWORK INDIA IS ORGANISING GiDMC 2019

Delhi to hold a two-day international conference on Disaster Management

New Delhi, 3 May, 2019: Addressing the cause of Disaster Management; The Global Inclusive Disaster Management Conference (GiDMC) marked an impactful first edition in 2018. The sequel edition is launched and scheduled for 1-2 July 2019 at Le Méridien, Hotel, New Delhi. This year the event is being organized by United Nations Global Compact Network supportedby National Disaster Management Authorityhosted by Oil India, partnered by Gail India & Indian Red Cross Society and managed by ICONEX India and will be revolving around the theme of "Towards Resilient Future - Preparedness, Response, Recovery, Mitigation".

GiDMC 2019 has also witnessed great support form PSUs, Corporates, NGOs and major associations involved in addressing the cause from all across the globe. The Navaratna PSU Oil India Limited (OIL), the Maharatna companies – GAIL India Limited & ONGC and the India Red Cross Society are the major supporters of the Show.

Alongside great support from the authorities and United Nations bodies, GiDMC 2019 has so far seen a great partnership with elite brands like Deloitte, Ernst and Young, Airport Authority of India, Kerala Startup Mission, Asian Disaster Preparedness Center, Save the Children, INSARAG, Integrated Volunteers Network and many more. The conference this year is aimed to witness 500+ Global Attendees, 60+ Speakers and participation from more than 10 Countries.

Dr. Ashutosh Karnatak, Director Projects, GAIL India Limited and Chairman Steering Committee, said, *"We earnestly hope that the conference will work as a catalyst in providing new insightson Disaster laws, policies, innovation and technical expertise Our vision to host this show is to bring forth the discussions highlighting preparedness for the Disasters."*

Mr. V.P. Mahawar, Ex Director-Onshore, ONGC and Co-Chairman, Steering Committee further added, *"Disasters either natural or man-made have a devastating impact on the development. They not just jeopardize human lives and livelihoods, but also impact economies as a whole. The conference will see participation from the industry stakeholders aimed to identify hazards as well as risk and will deliberate to find ways and solutions to minimize them."*About GiDMC

Global Inclusive Disaster management conference was first launched in 2018 and was organized by iCONEX Exhibitions. The 2018 debut edition witnessed an overwhelming response and hence the second edition this year is organised under the umbrella of UN Global Compact Network supported by National Disaster Management Authority ,hosted by Oil India, partnered by Gail India & Indian Red Cross Society and managed by ICONEX India. The conference has marked its presence with an elaborate conference agenda and topics of discussions. Not only this, the industry experts accepted it as a platform of vital importance in the global journey towards a resilient future.

The vision of GiDMC is to establish a stage for the world's most influential leaders to gather and help the world across to find best ways to fight the calamities and enhance environmental positives for a better quality of life.

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INTERPOL World 2019 Programme Takes on a New Format

2nd May 2019, SINGAPORE-The world's largest international police organization, INTERPOL, has announced that the third edition of INTERPOL World will take place from 2 to 4 July 2019 at Sands Expo & Convention Centre, Marina Bay Sands Singapore. Owned by INTERPOL and supported by Singapore's Ministry of Home Affairs, this year's edition will focus on the theme of 'Engaging Co-creation to Prepare for Future Security Threats'.

The focus on Co-creation is key as the objective of INTERPOL World is to provide a strategic platform for key stakeholders such as thought leaders and experts from government agencies, private entities, academia think tanks and industry, to showcase and exhibit their capabilities and share findings to shape the future security landscape through exchange and dialogue.

INTERPOL World 2019 will encompass these interlinked activities across three days:

- **32 Co-creation Labs** that will focus on exploring solutions to specific real-life security problems. Police thought leaders will share their challenges with solution providers and academia, and showcase innovative and unique solutions to security threats.
- **Motivational keynote presentations** elaborating on perspectives for the future and new capabilities aiding security and public safety. Topics include how technology impacts our lives and implications for public safety and security for our communities in the future.
- A series of **INTERPOL Working Groups** (attendance by invitation only), empowering law enforcement agencies with useful data and tools to continuously improve and strengthen relationships with the communities they serve.
- An **Exhibition** for more than 200 international industry partners to showcase their capabilities and services.
- **Networking activities** to provide opportunities to develop professional and personal networks across public safety and security organizations.

Co-creation Labs Drive Two-Way Participation from Both Speakers and Attendees

With the objective of providing a strategic platform to shape the future security landscape and encourage dialogue amongst key stakeholders, **INTERPOL World 2019** seeks to enhance awareness of emerging security and crime issues by focusing on three main themes in the programme:

- **Global Safety Today** (2 July 2019, Tuesday)
- **Improving Security for Tomorrow** (3 July 2019, Wednesday)
- **Forecasting and Planning for the Future** (4 July 2019, Thursday)

The programme will take on a new format this year with the introduction of Co-creation Labs. Instead of the standard panel discussions or Q & A sessions, the Co-creation Labs are interactive sessions that engage all participants in collaborative discussions, with the view of defining and identifying solutions to real-life public safety and security problems, exploring and challenging existing frameworks and practices to look at refinement through innovative processes and methods, thereby raising awareness of the challenges that the industry collectively face and areas for mutual collaboration. Each lab panel will consist of experts from law enforcement or a like minded agency, academia and industry, facilitated by a moderator.

These one-and-a-half-hour sessions are deliberately curated with an audience size of 50 to 250 participants to facilitate more intimate discussions on the broad theme of the day. The Co-creation Labs are open for registration now at https://www.interpol-world.com/registration. Anyone who wishes to share their experiences and knowledge, and contribute to critical discussions that seek to collectively improve public safety and security globally are welcome to join the sessions.

Motivational speaker Richard van Hooijdonk from the Netherlands will be helming a keynote session at INTERPOL World. Richard van Hooijdonk is a trend watcher and futurist who offers inspiring lectures on how technology impacts the way we live, work and do business. More than 420,000 people have already attended his renowned inspirational sessions and his keynote session on Day 1 is a must-attend event. Richard will share about how technology impacts the way we live and work to ensure a safer world.

We are also honoured to have Dr Mary Aiken, cyber psychologist and academic advisor to Europol's European Cyber Crime Centre (EC3) join us on the last day to speak at the keynote session on the future of our communities and our societies and the need to ensure public safety and maintain security.

Other confirmed speakers at the Co-creation Labs include:

- Ami BRAUN, Vice President, Cyber Technologies and Solutions, Add On APAC Innovative Solutions, Singapore
- Anton SHINGAREV, Vice President for Public Affairs, Kaspersky Lab
- Augustine CHIEW, APAC Lead, Public Safety, Huawei Technologies Co Ltd, Singapore
- Berndt KOERNER, Deputy Executive Director,

European Border and Coast Guard Agency, Frontex, Austria

- Dr David ROBERTS, Reader in Biodiversity Conservation, Durrell Institute of Conservation and Ecology, University of Kent, United Kingdom
- Hong-Eng KOH, Global Chief Public Safety Scientist, Huawei Technologies Co Ltd, China
- Jannine VAN DEN BERG, Chief Constable, Central Division, National Police and INTERPOL Executive Committee Delegate for Europe, The Netherlands
- Jerry Innocent AKUBO, National Technical Officer and Drone Expert, Nigeria Police Force (NCB Abuja), Nigeria
- Jevon MCSKIMMING, Assistant Commissioner, New Zealand Police, New Zealand
- Jon ROUSE, Detective Inspector, Queensland Police Service, Australia
- Justin BURTENSHAW, Superintendent Head of Protective Security and Firearms, Sussex Police, United Kingdom
- rof Kwok Yan LAM, Professor, School of Computer Science and Engineering, Nanyang Technological University, Singapore
- Dr Kyung-Shick CHOI, Cybercrime Investigation & Cybersecurity Program Director, Boston University, United States
- Nathan SCUDDER, PhD Candidate, Faculty of Science and Technology, University of Canberra, Australia
- Oleg GOROBETS, Security Evangelist, Kaspersky Lab
- Patrick STEVENS, Director of Counter-Terrorism Unit, INTERPOL, Belgium
- Walter LEE, Evangelist and Government Relations Leader, NEC Corporation, Singapore
- Yve DRIESEN, Chief Superintendent Judicial Police, Belgian Federal Police, Belgium

Confirmed moderators include:

- Irakli BERIDZE, Head, Centre for Artificial Intelligence and Robotics, United Nations Inter regional Crime and Justice Research Institute (UNICRI), United Nations
- Wee Lee LEE, Director, Cybersecurity, PwC, Singapore

Empowering Law Enforcement Agencies Through the Working Groups

INTERPOL organizes several high-level working groups, targeting specific topics, which meet regularly in different locations worldwide. Building on the successes of its previous editions, a series of close-door working groups (by invitation only)will be organized alongside INTERPOL World 2019:

1. 2nd INTERPOL Chief Innovation Officers Expert Exchange
2. 3rd INTERPOL Darknet and Cryptocurrencies Working Group meeting, co-hosted by the Bavarian Ministry of Justice
3. 3rd INTERPOL Drone Expert Forum
4. 2nd INTERPOL-UNICRI Global Meeting on Artificial Intelligence for Law Enforcement

These working groups aim to empower law enforcement agencies with useful data and tools in the areas of artificial intelligence, crypto currencies, Darknet, drones, and innovation. This will allow them to continue strengthening their global cooperation, share and discuss the latest regulations, in-depth challenges, best practices and strategies, enabling agencies to evaluate and implement in their operations.

Source for Collaboration Partners or Technology Providers at the Exhibition

The three-day trade exhibition will provide a platform for manufacturers, distributors, and Research and Development organizations to showcase their latest innovations and cutting-edge technologies to public and private entities in the law enforcement, security and like minded industries. More than 200 international manufacturers and solutions providers will showcase emerging solutions in command and control systems, cyber-related technologies, identification technologies, information processing and data analytics solutions, smart systems and more.

The trade event is expected to draw more than 8,000 international attendees from law enforcement agencies, government departments and the commercial sectors. Market leaders to look out for includeCanon Singapore, Cellebrite, Dahua Technology, DJI, Gemalto, Hangzhou Hikvision, Huawei, Industrial Innovation Group, IRIS ID, Kaspersky Labs, MSAB, NEC Corporation, NUIX, SECOM, Thermo Fisher and Veridos. There will also be several National Pavilions and Groups from China, France, Singapore and United States that will be featured on the show floor.

INTERPOL World is supported by more than 25 international organizations such as Asian Professional Security Association (APSA), Association of Information Security Professionals (AISP), Authentic Solution Providers' Association (ASPA), Biometrics Institute, Chartered International Institute of Security and Crisis Management (CIISCM), Cloud Security Alliance, Cross Border Research Association (CBRA), EC-Council Group, Europol, IEEE, International Association for Counter-Terrorism and Security Professionals (IACSP), International Compliance Association (ICA), International Professional Security Association, Supply Chain Safety & Security Association (SCSA), World UAV Federation and many more.

For more information.
Please visit www.interpol-world.com

INDUSTRY EVENTS

CHINA
China (Guangzhou) International
Fire Safety Exhibition CFE
17 - 19 Jun, 2019
Guangzhou, China
www.chinaexhibition.com

UNITED KINGDOM
DSEI
10-13 September, 2019
London, United Kingdom
www.dsei.co.uk.com

RUSSIA
IP Expo 2018
21-23 Nov 2018
Sokolniki Expo
www.all-over-ip.ru

UNITED KINGDOM
IFSEC
18-20 June, 2019
London, United Kingdom
www.ifsec.events.international.com

USA
Cyber Security Chicago
25-26 September, 2019
McCormick Place,
Chicago USA
www.cybersecurity-chicago.com

INDIA
IFSEC India 2019
18-20 December 2019
Pragati Maidan, New Delhi
www.ifsec.events.com

UNITED KINGDOM
International Firex
The Official Event for the UK
Fire and Rescue Services
18-20 June, 2019,
London, United Kingdom
ExCeL London

SINGAPORE
Safety & Security of Asia
01-03 Oct., 2019
Sands Expo & Convention
Centre, Singapore
www.safetysecurityasia.com.sg

IBEX INDIA 2020
13-15 February 2020
Bandra Kurla Complex,
Mumbai, India
www.ibexindia.com

INDIA
SAFE
27-29 June 2019
Hitex Exhibition Center
Hyderabad, Telangana
www.safeindiaexpo.com

VIETNAM
HOMELAND SECURITY EXPO
03-04 October, 2019
International Center for
Exhibition (ICE Hanoi),
91 Tran Hung Dao Street,
Hanoi, Vietnam

INDIA
Fire & Security India Expo (FSIE)
27-29 Feb 2020
IEML, Greater Noida,
Uttar Pradesh, India
www.fsie.in

INDIA
5ᵗʰ Edn. of Global Inclusive Disaster
Management Conference 2019
1-2 July 2019
Hotel Le Meridien, New Delhi
www.gidmc.org

GERMANY
Safety, Security and Health at Work
05-08 November 2019
Dusseldorf, Germany
www.safeindiaexpo.com

KOREA
SECON 2020
18-20 March 2020
Kintex, Korera
www.seconexpo.com

SINGAPORE
Interpol World 2019
02-04 July, 2019
Sands Expo & Convention
Centre, Singapore
www.interpol-world.com

ITALY
Int'l Exhibition for Surveillance
and Alarm Electronics Equipment
and Safety and Security Devices
13-15, November 2019
Milan, Italy
www.sicurezza.it

DUBAI
International Exhibition for
Security and Resilience
31 March-02 April 2020
ADNEC, Abu Dhabi,
United Arab Emirates
www.isnrabudhabi.com

INDIA
International Police Expo
19 – 20 July, 2019
Pragati Maidan, Mathura Road,
Railway Colony
New Delhi, India
www.internationalpoliceexpo.com

SWEDEN
Sectech Sverige
19-20 November 2019
Stockholmsmässan ,
Stockholm, Sweden
www.sectech.nu

GERMANY
Security
The World Forum for Security
& Fire Prevention
22-25 September, 2020
Essen, Germany

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www.internationalpoliceexpo.com

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www.homelandsecurityexpo.in

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www.droneinternationalexpo.com

CCTVEXPO
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