

Lochrin Bain launch LPS 1175 High Security Fence

Lochrin Bain

L72

26-Jun-18

Stephen Russell

The new Lochrin Defender™ Palisade fence has gained LPS 1175 security rating to SR3 following independent attack tests by BRE. With CPNI rated fencing products to both 'Base' and 'Enhanced' securing CNI sites nationwide, the companies next challenge was to create a product that was not only suitable for the Red Book, but that offered something new and innovative in an already crowded marketplace.

By reviewing other systems available the designers quickly focused on what could be done to improve both aesthetics and installation. By removing the need for dozens of fixings per panel, installation times were substantially reduced whilst also removing the need for specialist tooling or training, the contractors life has been made easier. In creating a product that has been approved to the LPS 1175 standard at SR3 rating coupled with the look of a modern railing design, aesthetics have also been considered and is sure to be a hit with security consultants and designers alike. The Lochrin Defender™ SR3 Palisade is installed using only 10 security fixings per panel, is designed to rake, and is stylish without compromising security, a true game changer for the security fencing industry.

History in the heart of Whitehall protected with the help of Selectaglaze

N82

11-Jul-18

The Banqueting House, Whitehall lies at the heart of the tourist trail with Buckingham Palace, Westminster Abbey, Downing Street and Trafalgar Square all a short walk away.

Banqueting House is managed and cared for by Historic Royal Palaces, the independent charity that also cares for the Tower of London, Hampton Court Palace, Kensington State Apartments, Kew Palace and Hillsborough Castle.

Inigo Jones designed the current Banqueting House in 1619-22 after its predecessor was destroyed by fire. Since its construction, Banqueting House has stood witness to many historical events; its primary use was to stage State events, masques, provide private drinking space for James I and in 1636 to display the great ceiling paintings of James I by Sir Peter Paul Rubens.

Famously, King Charles I was executed, in Cromwell's time, outside the building in 1649 on a temporary scaffold specially built for the occasion.

Banqueting House is also the only complete surviving building left of Whitehall Palace, which burnt down in 1698.

The security window installations were part of the first phase of works to repair and restore this stunning Grade I Listed building. Security was a key concern when planning the works, as was reducing the noise breakthrough from the busy Whitehall thoroughfare.

The design replaced the blast net curtains and allows daylight once again to flood into the Main Hall, as well as providing a significant level of noise insulation to ensure visitors peace and tranquillity when viewing the Rubens. Royal Warrant Holders, Selectaglaze, was approached to provide a fitting bespoke solution that not only offered protection to the large windows, but was a discreet and unobtrusive window treatment, to blend in with the historic Inigo Jones designed interior.

Selectaglaze knew it had products certified to the requirement, but they had never been specified to these sizes. The Main Hall window openings were 3.6m high and 2.0m wide. Two years ago, testing was carried out for what turned out to be the largest ever single casement to be blast tested in the UK. The results were a success and planning for the installation began.

Installing the units provided an interesting challenge as half the openings were at upper gallery level 10m above the main floor. The gallery could not be loaded. Working very closely with Gardner & Theobald, structural engineers Hockley & Dawson and Royal Warrant holding scaffolders Allen and Foxworthy, a careful method of installation was devised involving a columnar scaffolding design complete with lifting apparatus to each opening. In all, 39 units were installed.

"The windows look great, I bet you never thought you would hear me say that!" commented the architect. As well as offering blast protection and noise insulation in excess of 45dB, the secondary glazing also provides essential UV filtering to the Thomson Specification approved by the National Gallery, V&A and others.

Secondary glazing is fitted to the room side of a building and is a completely independent and fully reversible adaptation, widely accepted by most heritage bodies.

Selectaglaze is the specialist in the design, manufacture and installation of secondary glazing. With fifty years' experience, it has worked on all building types, from new build hotels, to Listed museums.

Safe and Secure History

Selectaglaze

N82

11-Jul-18

Selectaglaze

This magnificent Tudor Hall was built in 1529 by prominent local resident Thomas Magnus for use as a free school. Subsequently extended during the Georgian and Victorian eras the complex is now known as the Old Magnus Buildings and home to the National Civil War Centre.

Up until 2004 the buildings were in constant use, first as a school, until 1910, then as the town's museum until 2004 when it fell into disrepair.

Newark and Sherwood District Council was awarded Heritage Lottery Funding to restore and transform the Old Magnus Buildings into a new museum and National Civil War Centre continuing Thomas Magnus' vision for all to have access to education, the new museum will also be a centre for Civil War learning.

Home to many important historical artefacts and some graffiti dating back to early 1600s, security was high on the agenda when plans were first made for the buildings restoration.

As the buildings are Listed any security measures taken had to be sympathetic to the buildings elegance and historical significance.

The Architects Purcell and the Main Contractor Woodhead Heritage turned to Selectaglaze to provide protection to the vulnerable window openings.

Secondary glazing is the ideal solution for Listed and historic buildings even when high security is required as it offers performance in a fully reversible adaption which is accepted by most heritage bodies.

Selectaglaze treated 45 window openings with 6 different product styles including curved units in four different colours. Varying levels of security were provided, using products certified to Loss Prevention standard LPS 1175 level SR3 and those meeting the security standards of PAS24, all accredited to Secured by Design.

Secondary glazing can achieve a U-value of around 1.9, noise reduction of 42-45dB, and even in its most basic form a barrier to potential intruders. Selectaglaze boasts a wide range of products that can provide these various benefits.

Selectaglaze is the leading specialist in the design, manufacture and installation of secondary glazing. Established in 1966, and Royal Warrant Holders since 2004 it has extensive experience and knowledge of working with all building types including Listed and new build.

Clean, private and secure environments for laboratories enhanced with secondary glazing
Selectaglaze
N82

11-Jul-18

Selectaglaze

PsiOxus Therapeutics Ltd. (PsiOxus) is a UK and US based cancer therapeutics company recently listed 25th in the Sunday Times Hiscox Tech Track 100 in 2017 for its 'Gene Therapy for Cancer' platform technology for the treatment of solid tumours.

PsiOxus has recently expanded into 21,000 sq ft of new facilities including a state of the art research and development laboratory in The Quadrant at the Abingdon Science Park. The Quadrant was acquired in January 2016 by Addington Capital and Europa Capital and Addington has been actively asset managing since. In total, the 75,000 sq ft scheme is refurbishing the R&D and office accommodation, internally and upgrading laboratory equipment, heating/ cooling systems, lighting, and windows.

The main contractor, Morgan Lovell specified Selectaglaze, the leading supplier of secondary glazing to come up with bespoke solutions to improve the thermal insulation and security of the building in specific areas. Liaising with Tom Hing, the Morgan Lovell project manager, a challenging schedule was targeted, to keep the works on time in preparation for the opening of the centre in Summer 2017.

The works involved the introduction of secondary glazing at the new PsiOxus facility to meet the needs of an oncolytic virus research and development laboratory by enhancing the thermal and security properties of the primary glazing. The original primary windows were thermally inefficient, draughty and let heat escape. PsiOxus' research and development environment demands the utmost cleanliness so a glazing solution was required to meet these requirements. As part of the refurbishment, windows with fire ratings separating the labs and corridors were also required to conform to building regulations.

Selectaglaze met the brief by installing a total of 15 horizontal slider units with 6mm toughened low-E glass in the 2 and 3 pane options to all of the external primary windows. The inverted u-channel section was included to sit in the bottom of each frame to minimise the dust traps and enhance the ease of cleaning. This is ideal for tissue culture labs where there is a requirement for infection control.

All of the secondary glazing on the ground floor was fitted with Satinovo obscurity glass to provide increased lab privacy.

In addition, a total of 22 Series 40 fixed light units were fitted as viewing panels in the research and development laboratories. The Series 40 has a sturdier frame which can house higher weights of glass than required in a standard unit. The vision panels within the internal walls were fitted in 6mm toughened glass, and in the lab areas, units were fitted with a 10mm Pyrodur glass, providing 30 minutes of fire integrity. Prior to installation, PsiOxus installed fume cupboards, new upstands and trunking after the secondary glazing was fitted. This was to ensure that the units could be fitted with ease as any new equipment or upstands may have restricted the unit fitting into the reveal.

Thermally speaking, the U-values have been improved, now exceeding 1.9, and draughts have been eliminated. The flush frames and Satinovo glass, now ensure that any experiments will be contained within the laboratories thus promoting an optimised cleanable and controlled environment. An additional benefit not initially specified was the improvement to acoustic insulation. Selectaglaze units combined with a cavity of at least 100mm from the primary window, provide a significant noise reduction from the noisy outside environment.

The successful on-time installation of secondary glazing has greatly benefited the working atmosphere in the labs. The PsiOxus staff are already reaping the benefits of the new secondary glazing in their daily operations.

Legacy of a Georgian Gentleman
Selectaglaze
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11-Jul-18

Selectaglaze

Sir William Holburne (1793–1874) was just eleven when, as a midshipman, he took part in the Battle of Trafalgar. It is thought as an antidote to the horrors of his early life at sea, William dedicated his adult life to collecting objects of beauty, which were eventually gifted to the city of Bath.

In 1916 the ornate Grade I Listed eighteenth century Sydney House Hotel was purchased to accommodate William's collection and become The Holburne Museum.

The building underwent a £11.2m renovation and extension - including architect Eric Parry's three-storey glass and ceramic extension designed to provide intimate state-of-the-art galleries and visitor café.

The main original part of the building now houses two magnificent galleries, including what was once the Hotel's ballroom, now known as 'The Ballroom Gallery', whose central displays include silverware, porcelain and china collections; bronze statuettes and oil paintings hanging alongside the room's monumental windows and floor-to-ceiling balcony doors. With windows to three sides, The Ballroom Gallery is light and airy, capturing the sun throughout the day, presenting perfect viewing conditions but is potentially detrimental to the sustainability of the room's exhibits.

To help alleviate this hazard and to provide much needed added security, main contractor Sir Robert McAlpine consulted with the UK's leading secondary glazing specialist, Selectaglaze. With a wealth of experience within Listed and historic buildings Selectaglaze was uniquely placed to understand the very special nature of The Holburne's requirements.

In order to protect the exhibits from the harmful rays of the sun, Selectaglaze proposed a single hinged casement to each window incorporating Anti-UV glazing. And to provide an acceptable level of security the windows incorporated a multi-point locking system accredited to 'Secured by Design'.

Other design considerations included a paint finish to match the surrounding décor and maintenance of clean lines through the use of flush hinges and a flush lock. The finished result is secondary glazing which blends imperceptibly with the Ballroom's monumental sash windows with no additional sight lines to mar the spectacular views of this stunning Georgian city.

Selectaglaze is the leading specialist in secondary glazing, established in 1966 and Royal Warrant holders since 2004. It boasts a wealth of knowledge and a range of extensive products to suit all projects from Listed properties, to new builds. The Company offers a wide range of tested products. A free technical advisory service is offered and a RIBA approved CPD is available to architects and designers.

Selectaglaze at the Supreme Court

Selectaglaze

N82

11-Jul-18

Selectaglaze

Located on Parliament Square, opposite the Houses of Parliament and close to Westminster Abbey and the Treasury Building, is the UK's first Supreme Court.

Working on behalf of the Ministry of Justice, the design team for the Supreme Court, led by Feilden and Mawson and supported by Foster & Partners, developed refurbishment plans conserving the fabric of the building while creating a modern working environment.

Main contractor Kier Wallis called upon Selectaglaze, the UK's leading secondary glazing specialist, to help improve the building's environmental credentials and security through designs and specifications sympathetic to the complex variety of windows found in this Grade II* Listed building.

One key objective was to achieve BREEAM rating 'Very Good' which required a significant improvement in the thermal efficiency of the windows and reduction in draughts. The use of a hardcoat low emissivity glass within the secondary window lowers the U-value, a measure of heat loss, to below 2.0.

Sound insulation was equally important for the proceedings of a Court set so close to one of the busiest parts of London with its constant noise from heavy traffic and crowds of tourists. The Selectaglaze windows glazed with a thick laminated glass can reduce noise levels by more than 45dB and will also markedly improve the security of this sensitive building.

The project required 450 separate window frames ranging from hinged casement, vertical sash, fixed and horizontal sliding to sympathetically treat the very wide range of window styles. This included a significant number of gothic arches and three large shaped acoustic screens between the public gallery and Courtroom 3.

Founded in 1966, and Royal Warrant holders since 2004, Selectaglaze has a wealth of experience working in buildings of all styles, including Listed properties.

A wide range of extensively tested products and fully bespoke manufacture allows sympathetic designs to be created for all types of window.

Literature and guidance notes covering acoustics, thermal performance and added security are offered together with a technical advisory service and a RIBA approved CPD Seminar.

HIGH SECURITY RATED EXTERNAL SUPERSTRUCTURE

Securiclad

M71

17-Jul-18

Kim Walker

Successfully delivering a project in the nuclear sector takes patience, persistence and not least precision, especially when there is the underlying, ever-present threat of terrorism, theft or sabotage.

Fortunately, that didn't faze the team at Securiclad, when they were asked to tender for a flagship, Surrey-based project that involved the production of some 2,200m² of composite panels to create a security rated external superstructure to the LPS1175 SR4 security standard.

It also needed to be Fire Rated and thermally efficient with an excellent U value as well as being lightweight and versatile.

Securiclad is used to working to the demanding specifications from the nuclear sector and meeting stringent requirements as Mike McColl, managing director, Securiclad points out: "Having undertaken similar work in the nuclear sector in the past, we knew we could deliver this project and our diligence in the pre-qualification stage lead to a positive outcome."

Securiclad's team of CAD Engineers assisted in the architectural and post-award design phases and the Sales and Projects Department engaged in an overall pre-qualification phase that lasted more than a year. The team liaised with design consultants, security consultants, cost consultants, architects and main contractors, such was the meticulous attention to detail.

McColl adds that "What is evident in the end result of the year-long process is the team's dedication and commitment to reaching the right solution for our customer's project."

Securiclad's experience and expertise in manufacturing panels for security rated nuclear facilities have garnered them a range of high-security credentials, from LPS1175 SR2 to SR5 and are Government approved. Securiclad also holds European EN1063 BR2 and BR3 certification, meaning that they can withstand the firepower of a 357 Magnum calibre handgun.

Added to that is the fact that the panels can provide protection from persistent attack by tools including, disc grinders, felling axes, jigsaws, drills and sledgehammers.

McColl explains: "Having been assessed on our technical and design capability at each stage of the process, we showed that we could satisfy all areas of design and development for this, particularly demanding project. We were also able to prove that we could offer the most cost-effective, modern, security building method."

The innovative Securiclad system is extremely flexible and because it can be assembled quickly, it saves time and simultaneously reduces disruption to sites and services.

Once the project was given the green light and the system was specified, Securiclad engaged with preferred contractor, Hardy Sherwood (special Projects) Ltd, a company with a workforce trained and experienced in the installation of the Securiclad product. Hardy Sherwood had also beaten off stiff competition to be awarded the subcontracting contract for the construction of the entire superstructure envelope.

Julian Dear, owner and managing director of Hardy Sherwood is full of praise for Securiclad. "The team at Securiclad was helpful in every way, accommodating us at all stages of the tender process which helped us to secure the work during the final negotiations.

“The technical backup and information issued during the tender stage was first class and they were open to our suggestions regarding minor improvements in the overall installation process.

“Securiclad is very proactive at all stages of the process and work to a very high standard.”

The superstructure was completed on time and on budget.

Kira Day

SCJS lead and participate in multinational Chemical Biological Radiological Nuclear Explosives (CBRNe) projects on behalf of the European Commission's Directorate-General for International Co-operation and Development (DEVCO). Working in partnership with the European Union (EU) CBRNe Centre of Excellence, SCJS supports the objective to strengthen the institutional capacity of countries outside of the EU to mitigate CBRNe risks. These risks may be created intentionally, accidentally or naturally. These projects seek to strengthen National Legal Frameworks and provide specialised training to improve the management of CBRNe incidents and risk mitigation capabilities of countries in the field of Chemical and Biological safety and security.

SCJS coordinates and brings together the work of key international partners who hold world-leading expertise in the area of CBRNe, Global Health and Legal Frameworks. Our portfolio of partners from across the UK, Belgium, France, the Netherlands, Norway, the Slovak Republic and Sweden have a global reach and significant International experience in the successful delivery of CBRNe projects. Our current portfolio includes the following projects:

Project 53 'Strengthening the National Legal Framework and Provision of Specialised Training on Bio-Safety and Bio-Security in Central Asian countries': Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, Pakistan, Mongolia and Afghanistan. The main objective of the project is to enhance the bio-safety and bio-security capacities within the Central Asian region and strengthen the national legal framework. This will involve the provision of specialised training on bio-safety/security in the participating countries. This three-year project has involved working with numerous international partner organisations to significantly increasing the safe regulation of chemicals (e.g. industries use of chemicals such as fertilisers)

Project 54 'Capacity Building for Medical Preparedness and Response to CBRN Incidents': The overall objective of this project is to enhance the systems in place (in the MIE region) for medical preparedness and medical emergency response to CBRN incidents. This includes national and regional capacity building via the establishment of a self-sustainable national training service for medical and paramedical responders, which will provide internationally recognized training programs, including the 'train the trainers' courses. This four-year project focuses on the countries of Iraq, Jordan and Lebanon.

Project 55 'Strengthening Cross-Border Capacity for Control and Detection of CBRN Substances', the objectives of this project are 'standardization and adaptation, in each country, of legislative texts relating to CBRN and border security according to international standards, tailored to regional requirements. This three-year project involves implementing specialized and technical regional training to enhance CBRN preparedness and response capabilities for border personnel. Beneficiary countries include Algeria, Burkina, Faso, Mali, Mauritania, Morocco, Niger and Tunisia (North Africa and Sahel).

Project 61 'Sound Management of Chemicals and their Associated Wastes in Southeast Asia'. The overall objective of the project is to achieve enhanced chemical safety and security in the region, taking the country-specific baseline situation into account. This three-year project includes judicial reform, capacity building and increased preparedness and response to CBRN incidents. Beneficiary countries include Brunei, Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Philippines, Singapore, Thailand and Vietnam.

Project 67 'Strengthening CBRN Waste Management Capabilities in South-East and Eastern European Countries'. This three-year regional project supports the long-term objectives of the governments of

the concerned partner countries. This includes the objective of: the sustainable development of the management of their hazardous CBRN waste materials resources and contaminated environments, the safe and secure handling, transportation and disposal of CBRN waste in the industry and in the public domain. The overall long-term objective of the project is to strengthen and harmonize the regulatory framework of CBRN waste management capabilities in the SEE region partner countries Albania, Armenia, Azerbaijan, Bosnia and Herzegovina, the Former Yugoslav Republic of Macedonia, Georgia, Moldova, Montenegro, Serbia and Ukraine.

Robin Radar Supports NATO Summit Security in Brussels

Robin Radar

D12

17-Jul-18

John Bremner

Robin Radar Systems was present at the recent NATO Summit in Brussels, helping secure the event with operators and equipment.

NATO Heads of State and Government gathered at the new NATO headquarters in Belgium's capital on 11th and 12th July 2018.

New Bold Gemini v2.0 at Security Expo

Bold Communications Ltd

F21

Brian Kelly

Since its 2008 launch, Bold Gemini has rapidly become the most widely used UK integrated monitoring platform, both in the commercial service sector and in private control rooms. Working closely with its diverse group of users and with leading development technologies, Bold has created an industry benchmark for integrated alarm, video and audio monitoring. However, there is only one way to 'future-proof' a product and that is by continuous redevelopment and reinvention. Building on the success of the existing Gemini platform, Bold are pleased to announce the launch of Version 2.0.

Enhancements

Enhancements across the whole v2.0 release have been implemented, many of them focusing on the Gemini CCTV module. It is now possible to view live and event video in a single alarm handling screen, with manual and automatic processing tasks. Innovative technology has been introduced to manage high volume false and duplicate signals, many new CCTV interfaces have been added, and existing ones updated.

Processing and automation features mean that remote alarm events can be managed in realtime as they are transmitted to the control room, only delivering actionable information to the operator. Using an enhanced task workflow, this means that the operator can get on with delivering the right response without having to thinking about what needs to be done.

Improved System Admin

Setting up new sites and devices has been streamlined, with automatic downloading of configuration data. High level integration has developed further, linking areas and zones with actions, multiple device types, schedules and contingencies. Communication with, and management of, devices and systems at remote sites has been made easier, extending the services which the control room can offer.

Reporting features have been enhanced with new graphical and custom options for bespoke management information. Major development work has also taken place in the areas of Gemini web and smartphone clients. Additional modules have been developed to integrate peripheral monitoring response functions with core alarm accounts and contacts.

Operator Comfort

Monitoring software differs from the type of applications operated by a user when they require a specific task to be completed, for example, a billing or service management system. A monitoring application, on the other hand, pushes the task to the user in realtime, effectively saying – something has just happened, you need to act. At that point, the information and instructions presented need to be logical, simple and unambiguous.

Designed for the UK security sector, Gemini has always been popular amongst users wanting to avoid system clutter, complexity and confusion. An operator sitting in front of Gemini for the first time will not need more than a few moments to start getting a feel for what is going on and what needs to be done. Despite adding a new generation of features and enhancements in v2.0, that level of usability has been retained.

Satisfied Users

Feedback from early adopters of Gemini v.2.0 has been positive with this software release now the standard deployment for all Bold monitoring projects. New users include Gough & Kelly, JD Sports plc, Sharp Group, the global conglomerate Bouygues and numerous other UK and overseas monitoring control rooms.

Gemini v2.0 – inspired by users and created by Bold.

DroneALERT partners with International Drone Racing Association (IDRA)

DroneALERT

DRONE ZONE D24

To achieve the mutual goal of a safer and more responsible industry, IDRA will support the DroneALERT system as an avenue for reporting dangerous or illegal drone activities and for viewing global no-fly zones, GoFLY! Drone safe-fly zones, and global drone laws. DroneALERT will offer IDRA's insurance service on their website and launch a 'drone racing events' global map to promote the sport and safe places to fly.

Both companies are very passionate about actively supporting Women in the Drone Industry and Drone Racing (FPV) community. They are committed in promoting woman in the drone industry by supporting woman drone operators and entrepreneurs.

Join the DroneALERT GoFLY! Zones epic global crowdsourcing event

DroneALERT

DRONE ZONE D24

We want DroneDETECTIV Econtributions to our GoFLY! Drone Zone Map - a global safe-fly-zone map initiative made by drone pilots, for drone pilots. We want to hear from drone operators all over the world to tell us where they legally fly drones in their area or of local drone parks.

Tell us about your home town or places you know. Be a #DroneDETECTIVE and join this epic drone safety and information sharing event by sending to info@drone-detectives.com coordinates, addresses, web-links, images etc. In the subject type: GoFLY Drone Zone.

Smarter drones to support Europe's police forces

Aeorum

EU PAVILION

CORDIS - European Commission - EU Publications Office

Drones are crucial in helping speed up rescue and recovery in critical situations where every minute counts. A new drone management solution promises to offer valuable support to decision-makers in such situations.

From flash floods and forest fires to terrorist attacks, Europe has been seeing its fair share of threats in recent years. Luckily, technology is also evolving rapidly to help authorities manage and even pre-empt many threats and disasters. One of the latest high-tech tools involves the operation of drones to collect and analyse data in critical situations.

Against this backdrop, the EU-funded SURVEIRON project created a novel drone-based information management system that takes the management of numerous critical situations to the next level. The system does not put the focus of innovation on aircraft, as drones from any manufacturer can be connected and controlled from the system. Surveiron is not a new aircraft project, but takes advantage of all the advances in the drone market to integrate them. The real innovation lies in the scalability capabilities to introduce new drones and in the data flow to make decisions with massive information.

“SURVEIRON’s drone fleets can fly automatically, acquire key data, analyse it, and propose different actions safely and quickly to help decision-makers in critical situations,” says Manuel Ruiz de Quintanilla, SURVEIRON project coordinator.

Smarter drones to help police forces

The innovative concept helps authorities such as the police to expand the use of drones and increase their presence in daily operations. This is especially important because, while drones represent cutting-edge technology with enormous potential, they remain undervalued and police forces have not yet exploited them very effectively,” notes Ruiz.

In effect, “SURVEIRON is able to detect threats and risks and assess their magnitude,” underlines Ruiz. “It can detect and locate people, fire and smoke, as well as toxic gases and radioactivity,” he adds. The system provides real-time reports along with suggested actions such as number of required police patrols, ambulances and fire trucks to be mobilised. It can also produce maps of affected buildings and predict fire behaviour.

Drones use can be ideal to monitor soft targets – i.e. vulnerable spaces which in principle shouldn’t be specifically protected but are often selected by terrorists to maximise casualties, create fear and attain media coverage. This includes public spaces, hospitals, schools, religious installations, cultural centres, places of worship or transportation sites, among others. “With terrorists increasingly eyeing such unprotected places, SURVEIRON drones can be deployed very rapidly and complement police forces,” explains Ruiz.

Innovative technology for drone control

To achieve its aims, the SpinOff of the University of Malaga AEORUM began collaborating with the Spanish National Police and the Civil Guard, which quickly extended the collaboration to all European member states united in ENLETS (European Network of Law Enforcement Technology Service). AEORUM and ENLETS successfully converted drone technology into transversal IT technology for today’s modern police force. “The biggest difference between SURVEIRON and current drone surveillance techniques is its innovative architecture,” highlights Ruiz. In SURVEIRON’s case, navigation control, the drones and the software are in three different locations, connected to each other through global communication networks.

“This setup allows authorities to operate drone fleets at a global level where the pilot or pilots can be anywhere in the world, regardless of physical distance from the drones,” notes Ruiz. The system makes it possible to carry out different tasks simultaneously, such as detecting lost people and locating a fire, while receiving reliable information in real time.

Intensive design, testing and performance validation have created much interest among European law enforcement agencies. The project partners have conducted a real-life search and rescue mission in the woods of Lapland, Finland. The mission’s pilots were in Madrid, Spain, while the software was hosted in Malaga, on Spain’s southern coast. “The system detected the missing person in the forest, providing the exact location to the Finnish Police so that they could complete the rescue task,” says Ruiz. The entire operation was also monitored in real time from the EASME offices in Brussels, Belgium.

Today, SURVEIRON represents a fully functional drone surveillance solution, currently also being marketed to different police authorities. Thanks to SURVEIRON, decision-makers will be able to have immediate access to critical information in real time, both locally and remotely

CORDIS - European Commission - EU Publications Office

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Josh Corless

Commissioned by QinetiQ, the borwell team produced the front-end visual software display that was used by the Farnborough Airshow Flight Safety team to provide Situational Awareness. By using RADAR technology and an optical camera, data and video images of the aircraft is sent in real-time to the front-end Airshow monitor display software, which is reviewed by the safety team for them to be able to make decisions.

A few weeks prior to the Airshow, a validation process of the proposed flight displays took place to test against stringent safety conditions and airspace rules. Farnborough Airport, where the Airshow took place, is close to the town centre of Farnborough, Aldershot and Cody business park. Due to the Airshow taking place so close to public areas, safety is of the utmost importance. The Situational awareness software allowed the team to monitor, critically, whether the aircraft were breaking any rules including flying into, out of, or too fast in illegal airspace. Each display was recorded in 3D and 4D, including video. These files were then used to debrief pilots and also were reviewed by the flight safety team to approve displays.

On Wednesday the 18th of July, the BBC One Show featured the process explained above from the Farnborough Airshow. The footage included the appearance of borwell's integral software to the Airshow's technical operation, ensuring that the Airshow displays ran safely.

The QinetiQ customer visited the borwell exhibition stand on the Tuesday afternoon. He said "It's going great, happy Customer!" and shook Steve Borwell-Fox's hand.

Steve Borwell-Fox, the MD of borwell said "I am really proud of this project, and proud of our team. Many of our team had a role to play in planning, designing, building, testing and operating this software. Working with QinetiQ has been excellent."

Heald's Latest Innovation Succeeds In Crash Test

Heald Ltd

K50

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We are delighted to announce that we have succeeded our recent crash test for our latest perimeter security product, the Electro Mechanical Matador, based on the award-winning hydraulic Matador.

The Electro Mechanical Matador has been IWA crash tested, halting an 18 tonner N3C vehicle travelling at 64 kph (40 mph). After the impact, the Electro Mechanical Matador continued to function, offering on-going protection and ensuring emergency services have continued access.

Following on from the success of our innovative hydraulic Matador system, the Electro Mechanical Matador has been introduced as part of Heald's new EM range, which will be launched at International Security Expo.

To find out more about Heald's latest innovation, please visit our website.

Automatic HVM Terra Quantum Side Folding Bollards installation at a Public Realm area
Hammersmith.

Frontier Pitts Ltd

C63

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Sally Osmond

Sector: Public Realm

Security Level: HVM

Requirement: HVM Rising Bollards

Equipment Installed: PAS 68 Rising Terra Quantum Side Folding Bollards

Services: Consultancy, Design, Manufacture & Installation

Completion Date: 2017

Client: Construction

Background

In the heart of Hammersmith lies a new estate including Offices, Retail Units and public areas with outdoor amenities and seating areas.

The Gateway to the Estate is just off the very busy public high way and therefore Secured by Design recommended our client install an HVM impact tested shallow foundation solution.

Challenge

To install a Shallow Foundation Impact Tested HVM (Hostile Vehicle Mitigation) Automatic Rising Bollard that provides out of hours and emergency security against vehicle attacks at the front entrance of this prestigious building estate.

Result

Frontier Pitts HVM Specialists were involved in the project from the early design stage, offering initial design advice and working closely with the different Stakeholders and Secured by Design officer to produce a tailored solution.

Our Automatic Terra Quantum Bollards were selected as the HVM Solution for the Estates Gateway. The Terra Quantum Bollard has been successfully impact-tested to the British PAS 68 specification stopping 7.5t travelling at 30mph. With its shallow foundation and unique side folding action, the innovative rising Terra Quantum Bollard was finished in stainless steel to blend in beautifully with the Estates contemporary feel.

This project highlights Frontier Pitts ability to manufacture Automatic HVM engineered solutions that blend into the Landscape Architecture effortlessly.

LPS1175 Automatic Security Gates
Frontier Pitts Ltd
C63

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Sally Osmond

As the Market Leader of perimeter security equipment, Frontier Pitts are constantly identifying the ever-changing security threats and have now further developed their Automatic High Security Gate portfolio to provide an Intruder Resistant "Platinum" range successfully proven to resist attack to LPS1175

The LPS1175 Platinum Gate range has been developed over the past 2 years by our Research and Development team, headed by Frontier Pitts BIM (Building Information Modelling) specialist.

Many clients had been installing unrated Security Gates that had not been tested alongside LPS1175 security rated fence lines. By testing and upgrading certain elements on all models of our Automatic Security Gates, Frontier Pitts is now pleased to bring to the market the first complete LPS1175 Anti-Intruder Gate Range to the market, introducing another perimeter security layer to the security onion.

The Platinum Automatic Security Gate range with Security Ratings of 2 and 3 includes:

Platinum Sliding Gate up to 10m wide

Platinum Bi-folding Gate: double leaf up to 10m wide, single leaf up to 5m wide

Platinum Hinged Gate: double leaf up to 10m wide, single leaf up to 5m wide

Platinum Pedestrian Gate: Fully Automatic, Semi-Automatic, Manual operation.

The Platinum range joins our large portfolio of high security products, further bridging the gap between Frontier Pitts Security Range and our High Security Anti-Terra IWA14/PAS68 impact tested products, enhancing our accreditations further. We can offer the complete solution for all Mob Attack scenarios and Crowded Place, Public Realm venues.

LPS 1175

Requirements and testing procedures for the LPCB approval and listing of intruder resistant free-standing barriers.

LPS 1175 covers the broadest scope of physical security products and services of any publicly available standard in the world. LPS 1175 is the result of many years of work by LPCB, Government, Insurers and Police, and has rapidly become a core element of physical security specification across many sectors. The standard comprises a number of security ratings with test requirements of ascending intensity. These are measured in terms of attack tools and time available to the attacker and enables specifiers to select products according to the risks that they and their property face. LPS 1175 can be used in a range of applications, including critical infrastructure projects.

The correct specification of Security Products and systems is critical in protecting people and property from losses associated with crime and terrorism.

JLK Inspection with AI Technologies at International Security Expo (ISE) 2018

JLK Inspections

F30

JLK Inspection

As an expansion of AI-based image analysis technologies into security industry, JLK Inspection will also participate in the International Security Expo (ISE) 2018, the event will take place in London Olympia, UK, from November 28th to 29th.

ISE is the largest security showcase hosted by the UK's Nineteen Events, which grows drastically with a big difference than ever and boasts of world-class B2B exhibitions and conferences.

In this exhibition, JLK Inspection, which has proven AI-Based technologies in the field of medical image analysis, will make an appearance to the X-ray field backed by its own development of an intelligent X-Ray image analysis solution called 'JSS-01K'

These days, there is no clear way to prevent most of confidential information leakages that occur through using portable storage devices and smart devices. Therefore, the leakage of information and technology occurs frequently and hard to prevent.

In regard to enhance enterprise security against information leakage, 'JSS-01K' is developed by JLK Inspection to analyze automatically the security X-ray images and immediately provide detection area of the items after training by machine learning algorithm.

'JSS-01K' provides not only efficient, secure and intelligent management service of enterprise security in real time, but also seamless connection service and compatibility with all existing X-ray equipment installed in security field.

In August of 2018, JLK Inspection successfully completed field testing of 'JSS-01K' at the security site of the largest semiconductor manufacturing factory in Korea. Security personnel at actual site who used the solution appreciated and realized the effectiveness of enterprise security enhancement and work efficiency management, and mentioned the necessity of prompt release of 'JSS-01K'.

For the present, 'JSS-01K' is basically being offered as detection target for ? notebook ? external HDD ? smart phone ? USB ? tablet PC and possible to expand the target scope according to user's needs. Hence, it can be introduced and applied to the overall security market of X-ray. It will also contribute to government bodies and security sites where the import of goods is prohibited for security reasons such as guns, knives and so on.

JLK Inspection will show the differentiation and excellence of its intelligent X-Ray image analysis solution, 'JSS-01K', which is based on artificial intelligence technology for security industry workers. JLK Inspection will demonstrate the solution to participants directly during the exhibition period.

Won Tae Kim, CEO of JLK Inspection said, "We will continue to show innovative solutions through our efforts and strive to contribute to medical industry and security industry, so that we can become the world leader in Artificial Intelligence Technologies".

H92

20-Jul-18

The Security Institute (Syl) has launched a new initiative to inspire and attract young people to consider a career within the security industry.

The “Next Generation” Security programme is backed by an ambitious 10-year plan designed to change perceptions about the security industry and to showcase the career opportunities that exist to 13 – 17 years who are considering their career options.

The Security Institute (Syl) has launched a new initiative to inspire and attract young people to consider a career within the security industry.

The “Next Generation” Security programme is backed by an ambitious 10-year plan designed to change perceptions about the security industry and to showcase the career opportunities that exist to 13 – 17 years who are considering their career options.

Next Generation has already received extensive industry backing with 50 businesses and organisations stepping up to offer work experience programmes and lend their support to the initiative. Baroness Ruth Henig of Lancaster CBE CSyl, President of the Security Institute is also lending her support.

The Security Institute’s 10-year plan to improve perceptions of the industry will seek to address the longer term issues such as the gender pay gap, improving diversity in the profession and specifically look at promoting lifelong learning, professional development and security qualifications.

“We must promote to young people the key role security plays in our society” comments Rick Mounfield CSyP FSyl, Chief Executive of the Security Institute; “The security profession is one of the most ‘job secure’ lines of employment on offer to young people today, but unfortunately the perception of security is poor, often fixated on the image of a security officer in a retail setting. The reality is very different. Our industry offers a range of rewarding career paths beyond simple security guarding, it is a professional career of choice with a clear pathway to leadership.

“Since April this year we have been garnering support from across the security disciplines to provide an opportunity to showcase the industry’s diverse portfolio of jobs that will cater for STEM capable and the less academic teenagers that would thrive in a team supporting the Police and wider security function. With the help of our private sector and public industry partners we are setting out to change this and build a better reputation as well as increase understanding about what is on offer.”

Paul Barnard MSyl, Director of the Security Institute and of Ward Security, who has been a driving force behind the initiative, said; “There is a real need for the security industry to address the reasons why we are not attracting bright young people and to change perceptions that it does offer both an interesting and life long career choice.

“Having had a successful career both in the City of London Police and now in the security industry I know first-hand how rewarding it can be as well as the importance of the convergence of the security industry with the national security strategy. The security industry is crucial for the ongoing defence and security of our nation and it is important we take action now to address the recruitment issues and to attract the calibre of people we need to help us protect our society over the long term.”

The Syl will begin its roll out of the Next Generation initiative at the International Security Expo in November where it has organised to host a group of 50 secondary school age children, including Volunteer Police Cadets, for a guided tour of the show with the aim of demonstrating all the disciplines and diversity that the security sector can offer. It will also match these children with three-day work experience placements hosted by its business partners in their local area.

The Syl will replicate this activity at four other expos in 2019, including IFSEC in June.

If your organisation is interested in learning more about this initiative, please contact Rick Mounfield via email and keep your eyes peeled for an upcoming ext Gen website.

Kevin Cresswell

Gates Defense Systems, formerly SMR Tech is applying advanced research to critical infrastructure, creating intelligent operating platforms for security, defense, supply chain, and industrial development - and they are coming to the UK in November!

Los Angeles, CA, Sep 18 2018. Exhibiting in November at the International Security Expo 2018 in London, following recent successful overseas engagements in Jordan, Iraq, Afghanistan, UAE, Turkey, Ukraine and Qatar - U.S based Gates Defense Systems (GDS) is bringing revolutionary security technology to the United Kingdom.

GDS have proven themselves to be at the leading edge of mission and security design. The company has embarked on a relentless expansion program for the last six months, focussing on three major solutions sets while creating a sophisticated R&D program.

“ We have built our company around a team of talented individuals, who’s commitment to common vision have allowed us to move rapidly, bringing strategic and operational defense solutions to the forward deployed, and the everchanging private sector,” explains Michael Gates the CEO & Founding Partner.

Gates, a former senior executive with International Airlines Group (LSE:IAG) and member of the US National Security think tank community , believes strongly in the necessity to embrace the client’s needs, applying GDS’s unique blend of applications & skill sets toward achieving solutions that support those operating on the front end.

“ We can integrate with legacy systems and build value on existing infrastructure investments. Our solutions reflect our team’s unique ability to understand, identify, and enhance technology?based innovations, with the goal of swift adoption, increased scalability, and overall sustainability of the solution”.

The company will be demonstrating two of their solutions at Olympia, on 28-29 November 2018:

- OptimaFP: Represents the next generation of biometric ID & access control, and inventory management systems, with the revolutionary levels of data compression & encryption to secure information .

- VanguardX: Is truly an intelligence force multiplier. Creating actionable intelligence from disparate sources, VGX allows agencies and organizations to leverage the latest in AI and OSINT collection technology on one platform – also serving as a command/ control apparatus.

“ We work as your solution partner to ensure seamless implementation of vetted solutions into your operations. Our unique approach, combined with the support services we offer, can cut the multi?year development cycle of a new capabilities to less than one year, in most cases,” adds Gates. “Our next goal will be to open an office in the UK. It’s an attractive destination for US companies like Gates Defense Systems, looking to expand into foreign markets. We enjoy a special relationship with our friends and colleagues from across the pond - it makes absolute sense to be here.”

If you would like more information about this topic, please email: info@gatesdefense.com

Protection from IR / Thermal Detection / Bulletproof Constructions

Euro Trade

G42

01-Oct-18

Pavlos Karyotis / EUROtrade S.A. / Stand: G42

We are proud to announce a new military option, strengthening the security and protection capability of our products. All our constructions, bulletproof or not, past or future implementations, can now be protected from high tech targeting. A cost-effective solution reducing thermal signature down to minimum or zero.

Minimize kill probability & Maximize Survivability against:

UAV/UCAV observation and hit

Thermal Seeking Warheads/Thermal Sensors Detection

Anti-Tank Missiles (ATM), Anti-Tank Guided Missiles (ATGM), Anti-Tank Guided Weapons(ATGW)

Air to Ground and Ground to Ground Missiles that use EO/IR sensor

All our constructions are now:

Harder to be identified/classified

Harder to be tracked

Harder to be engaged

Harder to be hit

Advantages:

Real Stealth Capability

Low Cost

Easy to install

Solar reflective

Maintenance free

Further info here: pavlos.karyotis@eurotrade.gr

Bulletproof Cabins Private Design

Euro Trade
G42

Pavlos Karyotis / EUROtrade S.A. / Stand: G42
Bulletproof Constructions, made just for you!

Our team of designers will be glad to suggest new designs made specially for your particular needs. We can work with you in developing a new idea or in taking further an idea you might already have and wish to realize.

Here in EUROtrade S.A., more than accreditation to the highest ballistic levels we also offer you EXCLUSIVITY!!

Further info here: pavlos.karyotis@eurotrade.gr

G42

Pavlos Karyotis / EUROtrade S.A. / Stand: G42

A new, extremely safe, non aggressive approach, suitable for urban use and populated spaces.

Steel plate: FB7 EN1522 EN1523

Glazings: BR7 EN1063

Cladding: Mirrors

Guard Post adapted to architectural environment. The gardens of the new opera house in Athens Greece, designed by the architect Renzo Piano.

Further info here: pavlos.karyotis@eurotrade.gr

Arana Security

H52

Arana Security - H52

The BioBox was manufactured and designed to establish a physical link between biometric identity, digital information and the person themselves. With the capacity to store and generate information in a secure system, our diverse software allows for flexibility without jeopardizing safety standards. Easy, secure and fast processing, BioBox ID enables authorities to capture and store the data anywhere in under 4 minutes.

With face, iris and FBI certified fingerprint capabilities, this product permits multi verification, encoding and generating EFT files making ID fraud extremely difficult. We are able to add or remove elements based around the necessities of the project. Stored in a waterproof, shockproof, compact case it allows the user ease of transportation between locations.

Access Control Solutions

Arana Security

H52

Arana Security - H52

Providing secure solutions to government divisions, airport security, hospitality sector, corporate business, education and healthcare sectors that offer the highest level of security. Whether your facility is small or large, we have the access control system for you.

A broad range of biometric solutions using technologies such as fingerprint recognition, multimodal recognition combining fingerprints and vein patterns, facial recognition and iris recognition

Explosive Detection Dogs: Can they help increase security at your next event?

ISSEE

B62

03-Oct-18

Daniel Johnson

Obtaining commercial or military grade explosives in the UK is very difficult but this has led to terrorists resorting to the manufacture of home-made explosives (HME). HMEs are often described by acronyms such as TATP, ETN and HMTD. They are invariably unstable, very sensitive and extremely powerful – comparable to TNT in strength. The past two terrorist incidents using explosives - at Manchester Arena and the London Tube – both used TATP.

Explosive Detection Dogs (EDD) are capable of detecting minute traces of explosives concealed in bags, clothing or hidden in premises. EDD teams can provide a versatile, mobile and real-time search and detection capability that can offer significant benefits to many operations. Most dogs are trained to give a passive indication, which preserves forensic evidence, reduces the likelihood of the device being activated unintentionally and allows their safe use in screening of people.

EDD training is an intensive process and begins with building the dogs' 'vocabulary' of suspicious odours, imprinted into the dog's brain by repetition and reward. Currently, most dogs are trained to indicate commercial explosives such as dynamite, TNT, water gel, different plastic explosives and Semtex. With the increase use in home made explosives, dogs now need to be able to recognise and react to ETN, ANS, TATP and HMTD – with the likelihood this will continue to increase.

Working with our NASDU registered partners, T&L Ltd, ISSEE has developed a comprehensive and unparalleled training and service delivery package which trains and 'licences' Explosive Detection Dogs to detect both commercial and home-made explosives.

Training is introduced to each dog and then reinforced by regular, mandatory continuation training throughout the year. Each new training session is enhanced with support material indicating any new and developing threats to ensure both dog and handler - the EDD team – remain current and effective.

ISSEE is already recognised as a world leader in the provision of Counter Terrorist consultancy and training across both government and the commercial sectors. By extending its service-offering to include EDD training, ISSEE is even better placed to fulfil its 'First Choice' position as a provider of proven and academically recognised security consultancy and services.

For more information on ISSEE and enquiries about how we can provide EDD Teams to enhance your security contact us at www.issee.co.uk.

Announcing a new range of security turnstiles externally accredited to LPS1175: Issue 7 certificate 1495a

Clarke Instruments

K82

10-Oct-18

David Clarke

Based on existing designs, which have been enhanced to meet the requirement of LPS1175, the company has a range of turnstiles from SR1 to SR4, offering a mixture of single and double units, with straight bar, hooped bar and paddle bar rotors.

The 1491-204-HFA hooped D Bar filled armor shaped rotor paddle turnstile featured here is SR4 rated and is top of the range when it comes to physical strength and ability to withstand attack.

The complete range of products have been tested, approved and certified to LPS1175: Issue 7 certificate 1495a.

We are the first company to be certified to Issue 7 and the only turnstile company certified to Issue 7. Our range is extensive, with a total of ten different models, three of which are double units with straight bar rotors (SR1, SR2 & SR3). The space saving on these double units enables the fencing contractor to fit one double unit in a standard fence panel. In addition there are three straight bar rotor single units (SR1, SR2 & SR3) and four hooped bar rotor single units (SR1 to SR4 inclusive). For product details and a copy of the data sheet and technical drawings, visit our web site. In addition we can offer stainless steel rotors for the SR1, SR2 & SR3 rated products. We can also offer an all stainless SR1 product.

Guard Shacks / Shelters / Citadel Armoring / Panic Rooms / Military & Police Equipment

Euro Trade

G42

10-Oct-18

Pavlos Karyotis / EUROtrade S.A. / Stand: G42

Tailor made anti-ballistic constructions

With 40 years of experience, our philosophy is key to our success. The four pillars on which we thrive are: Innovation, Consistence, Reliability and Economy.

For over 40 years now, with specialized personnel and in collaboration with renowned specialists, EUROtrade S.A. offers quality solutions even to the most complex building problems.

With a state of the art factory and a proprietary office building, staffed with high caliber executives, expert associate engineers, architects and a specialized technical team EUROtrade S.A. stands by your side. Next to you. For your every single need, with truly innovative solutions and ideas.

StadiumTM nominated for prestigious security award

Stadium TM

C70

11-Oct-18

StadiumTM

Events Services Company and innovative HVM Solutions provider, StadiumTM are finalists in the prestigious Security & Fire Awards supported by IFSEC and FIREX. Two of the largest global security and fire related expos.

The company is one of six finalists in the Counter-Terrorism Project of the Year category. The award would recognise the work StadiumTM have put into protecting crowded spaces by investing and developing a HVM Solutions service available on a hire & installation basis. Over the past year the service has grown rapidly and has proven very successful. StadiumTM works with market leading products and has installed in some of the country's highest profile locations including: London's Parliament Square, Piccadilly Circus, and Speakers Corner at Hyde Park.

StadiumTM are over the moon to be a finalist alongside some of the industry's leading companies and their work to be recognised on a national scale. Managing Director, David McAtamney made this statement, "This was my vision, to see the success and protect the nation's people and national assets has been a natural progression for the company. Since the dreadful scenes in Nice in July 2016, this service has become a moral obligation for myself and team. I am very pleased to see StadiumTM recognised from only starting the HVM Solutions service a year ago."

The awards ceremony takes place on November 21st at the London Hilton, Park Lane. Wish them all the best!

Shaping The Future: Aerosino Corp. Supplies Critical X-ray Parts to Over 3,000 Locations Globally;
Announces First Exhibition Show In The UK

Aerosino Corporation

L46

11-Oct-18

All over the world, public security and high-throughput are increasingly important concerns for government offices. Aerosino Corporation, a manufacturer of high-quality X-ray equipment parts, have supported the security industry for over 60 years by providing highly reliable X-ray tubes and generators. Aerosino works closely with equipment manufacturers to offer a wide range of solutions from 80kV to 250kV that will meet various technical specifications. Aerosino is proud to be an independent manufacturer and designer, where all products are produced in-house.

As of 2018, Aerosino has provided critical X-ray components for equipment manufacturers at over 3,000 international locations, including dozens of Olympic games, World Cups, and international airports where thousands of lives are impacted daily.

On November 26th, 2018, Aerosino is coming to London to participate in its very first European exhibition. Please come to Booth number L46, in the U.S. Pavilion to meet the team of technical experts and learn more about X-ray products!

About Aerosino Corporation

Aerosino Corporation is headquartered in the city of Signal Hill, located on the beautiful Pacific Coast of Southern California. Aerosino specializes in manufacturing X-ray tubes and generators for security applications. Aerosino group currently has 330 employees worldwide.

2747 Signal Pkwy

Signal Hill, CA 90755

(949)-299-8389

sales@aerosino.com

Selfcair Autonomy System

Selfcair UK Ltd

C30

28-Oct-18

Selfcair

SELFCAIR AUTONOMY SYSTEM is the worlds first baggage handling solution that requires less staff to manage the process, less space than conventional bagged solutions, resulting in significantly lower cost of ownership, whilst also making flying a safer experience for everyone. A true safer "lean" experience.....

AUTONOMY SYSTEM: FINAL CONTAINER BY ZODIAC AEROSPACE

Dec 2014: December 2014: Zodiac Aerospace contributed to the project by developing the LD3-45 specific container. The company's engineering team validated its architecture and materials employed. Weight has been kept within target of 80 kilos.

Certification may take place in weeks to come. The first series will follow.

Truly Modular Lane
Selfcair UK Ltd
C30

28-Oct-18

Selfcair

Truly Modular lane is a new modular system that has one eye on the future, helping protect investment.

Today security areas are constantly evolving, new regulations, new passengers and staff demands, creating tough challenges that the SELFCAIR team are aware of, but well experienced to deliver a commitment of continuous improvement within the security environment.

Compact Lane

Selfcair UK Ltd

C30

28-Oct-18

Selfcair

The purpose of **SELFCAIR** Compact Lane is:

- 1) To improve passenger comfort
- 2) To increase drop off speed so that:
 - Lanes are shorter (length cut in half, does not exceed 7 meters), or
 - Throughput is faster (speed multiplied by 4 thanks to new type of x-ray machines)

Security facilities infringe on floor space while airports strive to grow retail areas. To increase passenger throughput security lanes currently reach eighteen meters in length. Many terminals can't accommodate such huge footprint. The result is insufficient capacity and long queues if not total impossibility to install new TRS lanes.

Throughput of security lanes is constrained by slowest passengers. Who nevertheless feel hustled/push around leading to incorrect divest and time lost somewhere along the process.

While parallel divest does not really solve the issue, SELFCAIR TROLLEY LANE© is an attempt to respond to this double challenge.

What difference does the front facing screen make?

Reveal

Reveal body cameras have always featured a prominent front facing screen that shows what is being recorded in real time. Studies have shown that people change their behaviour when they know they are being recorded, and that's just what the screen does.

Carl Best, Security Manager at Incentive Security, said "With the front facing screen especially, it lights up, you see yourself on it; it does make you realise that everything you do is being recorded and taken down as evidence."

Best's security officers are equipped with Reveal cameras on every shift, and have found that body worn video has an impact on how people behave.

Security Officer Marc Causon explained "If I've got the camera on, people always calm down. Because they can see their face, they'll calm down."

Peter Nuttycombe, Security Officer added that being able to calm people down saves them time and helps to resolve the issue faster: "When they see themselves on the screen it does sort out the issue straight away, because they know they are being recorded"

Watch the whole case study with Incentive Security
here: https://www.youtube.com/watch?v=v_ziFILwfgc

Singapore Invests In Security For Safer Tomorrow

ATG Access

C51

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ATG Access

ATG Access has a rich history with Singapore having exported perimeter security equipment to the Singaporean market for nearly ten years. With a well-established manufacturing facility in-country, the company has been well placed to follow key developments and changes to infrastructure law and areas of investment.

Described as one of the 'Four Asian Tigers', Singapore is a world leading business centre and a major destination for foreign investment. With one of the world's busiest ports, it has attracted over 3,000 multinational corporations from the United States, Japan and Europe; all investing in the island nation.

As a result of substantial investment within the Singaporean infrastructure sector, the Singaporean Government has passed the Infrastructure Protection Act 2017. This law dictates that buildings classed as 'critical national infrastructure' are now required to be made more secure.

Orchard Road – Singapore's main shopping centre has seen sweeping improvements to security following advice from the Singaporean Police Force. A world-famous shopping destination, Orchard Road is home to a large collection of cutting-edge boutiques and is the most desirable postcode for Singapore residents. The security upgrade involved the removal of some existing street furniture items to be replaced with impact-tested bollards to improve the overall security of the area.

The road itself had a few installation challenges for the security designer to consider with an underground canal running through the famous shopping street. This meant that there was limited installation depth for any security measures. ATG's shallow mount technology was the perfect solution for this challenge, with a foundation requirement of just 176 mm. The security designer also required areas with removable security bollards so that parts of the busy shopping street could allow vehicles to pass through the perimeter. Fortunately, ATG Access is the only high-security manufacturer to have an impact test certified, removable bollard with a shallow foundation, ideal for this situation.

Orchard Road wasn't the only area undergoing security improvements. Following the migration of a FTSE 100 company to the Mapletree Business City in Singapore during 2016, the building's facility manager felt an enhanced security scheme was required after the release of the new Infrastructure Protection Act. The decision was taken to procure and install impact tested bollards to the office block's perimeter. This will help to attract more FTSE 100 companies as more and more multi-nationals are concerned about the threat to critical national infrastructure.

As a result of increased foreign investment from the United States within Singapore, the exclusive American Club was also looking to upgrade its security. Located a stone's throw from Orchard Road, they opted for a shallow foundation, perimeter security measures. The main benefit of ATG Access's shallow mount technology being the limited disruption required to install. Our shallow mount products can be installed over a weekend to be completely up and running by opening hours on a Monday morning. Alternatively, if operational hours extend to weekends, products can be installed within stages through the night.

Jurong Island; the artificial isle located to the southwest of the mainland Singapore is a hub for petrochemical companies, who also saw the need to act on the new law. The area was predominately secured using security fence, which required additional security measures and so lines of reinforcing security bollards were installed.

Singapore's data centres were also given a security overhaul. With so much attention being paid to

cybersecurity measures and backup centres, Singapore's new policy has been leading the way and ensuring that the physical perimeter of these data hubs is also being secured.

The Singaporean Government looks to the UK to drive security standards and follows a similar security strategy. The country will continue to invest in protecting their national infrastructure and also crowded spaces throughout key, urban areas.

Material for Medical Protective Suit
AIC Magnetics Ltd
M44

16-Oct-18

Made by our lightweight, high performance radiation protection material.

It's widely used for X-ray protective suits, apron, collar, gloves and lift lead curtain, etc.

Lighter, thinner and softer.

Lead equivalent meet protection

maximum width up to 1.4M

Lead-free shielding material

Colour?maize-yellow /ash black/others;

Lead equivalent ?0.125/0.25/0.35/0.5/1.0mmPb;

Thickness?0.2mm~4.0mm;

Gram weight?1.5~12.5kg/m² ;

Hardness ?40±5(Shore A);

Tensile Strength?6MPa;

Temperature range?-40?~70?;

Material for Inspection Equipment Curtains
AIC Magnetics Ltd
M44

16-Oct-18

Our Lead-free material can be used in protective curtain material and curtains for industrial and airport inspection machines.

Better Abrasion-resistance: Premium double-side coated cloth.

More durable: Grid fabric interlayer.

Soft and holddown

Full sizes for various models.

Lead-free shielding material

Color: Black.

Lead equivalent: 0.35mm/0.5mmPb

Thickness: 2.0mm/2.4mm

Gram weight: 5.68/7.48kg/m²

Hardness: 65±5(Shore A)

Tensile strength: 12MPa

Temperature range: -40?~70?

Material for Foods Inspection Equipment
AIC Magnetics Ltd
M44

16-Oct-18

Food contact level lead-free protective curtains for food X-ray foreign body detection equipment.

Lighter, softer, and non-blocking.

The surface is more resistant to abrasion and corrosion.

More oil-resistant and easy to clean.

Full sizes for various models.

Food contact level Lead-free shielding material

Color: black/sky blue

Lead equivalent: 0.125mm/ 0.25mm/ 0.35mm

Thickness: 0.5~2.0mm

Weight: 1.5~4.0kg/m²

Hardness: 40-60 (Shore A)

Tensile strength: ?6MPa

Temperature range: -40°C~70°C

Radiation shielding material for nuclear
AIC Magnetics Ltd
M44

16-Oct-18

Standard inner and outer cover

Tungsten, Bismuth, and Iron Flexible Shielding

Direct lead-sheet replacement for custom
cabinets

Custom Barrier

Material for military
AIC Magnetics Ltd
M44
16-Oct-18

Full body suit, Military Covers & RF Shielded tent: to provide total protection for CBRN threat;
chemical warfare agents (CWA's), toxic industrial chemicals, alpha particles, X radiation, gamma
radiation, high energy beta radiation and heat stress.

who we are
MH Services
N20

17-Oct-18

Jamie Clarke
Forensics Solutions for field operations and in the laboratory

For mobile phone forensic, fast HDD imaging and recovery, Unlocking Tools and Password Crackers
Mobile / Field Solutions for data acquisition and imaging
Portable / Transportable solutions for data acquisition and imaging
Forensic Vehicles from 4-40t, with from 2 to 12 workstations/places
Customised and fully independent Forensic Laboratories
Mobile and fully equipped laboratory on wheels for crime scene IT-Forensic investigations
Forensic computers, workstations and servers for field and laboratory application (HDD imaging, phone forensic, analysis)
Forensic software (HDD imaging, phone forensic, analysis, password decryption)
Internet and Darknet & Cloud forensic / Automatic exploitation of social networks, deep and dark web data
Password crackers
Network capture / Sniffing & Wardriving
Faraday solutions / Clean-room solutions

FORENSIC RUGGED LAPTOP

A handy and very mobile solution, powerful & easy to transport

Field acquisition and analysis (HDD imaging, phone forensic, data analysis)

Contains the latest write blocker from Tableau and two 1 TB data drives

Up to 128 RAM, 8 core xenon processor

HDD imaging 1TB per hour

Mobile Phone USB DUMP and Analysis

FORENSIC / OXY / CELL – CUBE

Able to image two suspect drives/devices simultaneously

As powerful as a workstation, but extremely portable

Up to 32 GB of DDR2 ram

Up to 4 removable 1 TB data drives- hot swap & screw less

HDD imaging 2 TB per hour

Mobile phone USB DUMP and analysis

TRECORDER

Portable device for mobile digital-evidence-saving in computer forensics

Field acquisition and analysis (HDD imaging, phone forensic, data analysis)

Court-suitable copy / cloning without any change of data

Equipped with 3 internal HDD-write-blocking devices (t356789ui) for court-suitable copies

Unusual combination of mobility + maximal performance

Copies up to 3TB per hour

ANTANALYZER- SERIES

Workstation with hardware encryption for sensible data

For field and laboratory application (HDD imaging, phone forensic, analysis)

Possibility to encrypt the destination drives with 256 bit AES hardware encryption

No performance lost regarding reading or writing on the drives.

High-end workstations to index and process digital data with cyber speed

GECO

Images up to 8 suspect drives at once, 8 TB per hour

Contains 8 tableau write blockers, always the latest models

Equipped with on-board storage that can take up to 48 TB of data

Available as remote system as well

Vehicle Construction
MH Services
N20

17-Oct-18

Jamie Clarke

The LAB Cube is part of mh-SERVICE's mobile forensic laboratory truck series. Available in all shapes and sizes, from a truck base to a trailer container. Intelligent room concepts, combined with excellent computer forensic hardware and software components, coordinated with the customer, ensure a maximum workflow

The LAB Cube is the only independent IT-forensic laboratory that comes as a high-end roll-off container, transportable by truck. Completely self-sufficient, the cube has its own power generator and can be placed anywhere it is needed for digital forensic investigations. The server room and office are separated by a modern cabinet wall, made out of frosted glass and lit by LEDs. The generator, A/C and lighting can all be operated via a central control panel set at a comfortable working height. A unique swing rack, designed and constructed by mh-SERVICE, holds the different server units safely. It consists of a steel frame attached firmly to the vehicle, with another steel frame holding the server units contained within it. Both steel constructions are connected via air shock absorbers, making sure that the roughness any road is balanced out while the vehicle is in motion. The fully equipped office has four workstations arranged in a row. A conference table. Fold away desks. A large screen and adjustable designer chairs which can be secured during transport.

Web-I-Cube
MH Services
N20

17-Oct-18

Jamie Clarke

THE NEW STANDARD IN FORENSIC INTERNET AND DARKNET ANALYSIS

A powerful server solution with pre-installed and pre-configured OSINT software, ready to work, right out of the box!

CAPTURE ONLINE SOURCES, BUILD INTELLIGENCE, GET INSIGHTS OSINT tool, Open Source Intelligence WEB INTELLIGENCE PLATFORM, to have full control over the data and

have your intelligence in your premises **INTUITIVE USER INTERFACE**, everyone who can use Google can start working with the Web-I-Qube

DARKNET FORENSIC & SOCIAL MEDIA MINING

The WEB-i-Q VOYAGER software is a complete turn- key system to analyse activities in Dark Net but also the open Internet, social media, etc. Together we have developed the WEB-i-CUBE. A powerful server solution with VOYAGER pre-installed and pre-configured, on a mh-SERVICE custom built forensic computer, ready to work, right out of the box!

Automatic Exploitation of Social Network, Deep and Dark Web for Enhanced Target Profiling and Public Sentiment Analysis

CAPTURE ONLINE SOURCES BUILD INTELLIGENCE GET INSIGHTS OSINT tool, Open Source Intelligence

TURN KEY WEB CRAWLING AND WEB INTELLIGENCE PLATFORM, gives you full control over data and intelligence on web-sites, social media & Darknet

3D-Forensics/FTI - Mobile high-resolution 3D-Scanner and 3D data analysis for forensic evidence

Fraunhofer Institute For Applied Optics & Precision Engineering

N20

23-Oct-18

Roland Ramm, Stephen Crabbe

Fraunhofer Institute for Applied Optics and Precision Engineering IOF conducts application-oriented research in the field of optical systems engineering. At International Security Expo, Olympia London, 28 – 29 November 2018 we are proud to present in the EU Pavilion advanced prototypes delivered as part of a European consortium in the project 3D-Forensics/FTI.

The 3D-Forensics/FTI system is a mobile high-resolution 3D-Scanner and 3D data analysis software specifically designed and engineered to record and compare footwear and tyre track impression traces from crime scenes and the outsole and tyre profiles from suspects' footwear and vehicles.

"The 3D-Scanner records high resolution 3D point clouds combined with colour images which capture the smallest identification features in traces and profiles but is still very robust and easy to use in the field", explained Roland Ramm, Fraunhofer IOF's representative at International Security Expo.

The traces themselves are not contaminated or destroyed during optical scanning, as is the case, for example, with dental plaster casting – the present prevalent method for recording 3D impressions. An additional ruler as a linear scale is also no longer needed because the 3D information contains all relevant length dimensions. The associated 3D data analysis software contains tools for examination and comparison, e.g. for determining class and identifying characteristics, as well as for organising the identification projects and for reporting expert opinions based on the analysis. It is a valuable tool for the full exploitation of these traces in forensic intelligence.

"Footwear and tyre impression traces are some of the most common traces found at crime scenes. This evidence can be key to building cases against suspects, often leading them to admit guilt and save a costly trial. Our system offers the potential to reduce the overall risk and cost connected with recording and analysing these types of traces. This should lead to an increase in their use both during investigations and for prosecutions", highlighted Stephen Crabbe, Crabbe Consulting Ltd's representative at International Security Expo, a partner in the consortium.

The developed solution has paid due regard to ensuring data authenticity and integrity, key requirements to be sure expert analysis based on the system is fit for purpose in criminal justice systems.

We are grateful to the police crime scene and identification experts providing input and feedback into the development of the 3D-Forensics/FTI system and also the European Union. This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 700829.

Contact and further details can be found at: <https://www.3d-forensics.eu>

Bruhn NewTech
EU PAVILION

Bruhn NewTech

Bruhn NewTech exists to increase the number of people protected from airborne threats whether chemical terror or nuclear incidents. The new SafeZone solution provides a fully integrated CBRN incident management system for public safety and private venues with large crowds. The complete end-to-end solution identifies threats, significantly reduces response time and accurately informs reaction plans.

A chemical or biological attack is deadly, airborne and invisible and therefore very difficult to mitigate and to ensure efficient life-saving evacuation. According to the World Economic Forum, the risk of terrorist groups developing CBRN weapons has become one of the highest and most impactful global threats, whereas the 'high-risks' locations are not well prepared for these events:

“Crowded venues, such as airports, train stations, stadiums, museums and concert halls are ‘high-risk’ locations for these attacks, but their security officers tend to have low to zero training on CBRN incident management. A new market is, thus, emerging for civilian emergency response in private venues, for which we are developing a new solution called SafeZone”, explains CEO, Erik Juel Ellinghaus.

Today, CBRN incident management systems are primarily supplied to military and national emergency services. The military-grade solutions developed by Bruhn NewTech are currently in use by Defence forces and government bodies in 30+ countries, making Bruhn NewTech the world’s leading provider. This expertise and know-how from the military battlefield should be implemented in the public and private sector to increase the number of people protected from chemical terror and other airborne threats:

“With more than 25 years of experience from clients within the defence industry, we can translate and apply our knowledge and expertise to the public sector and private venues with large crowds”, states Executive Chairman, Kristoffer Basse.

The complete end-to-end solution can be tailored to specific needs both in mobile configurations, such as protection of concerts or sports events, and in fixed configurations for infrastructure protection, such as airports and metro stations.

For more information please contact Erik Ellinghaus eje@bruhn-newtech.co.uk

TSP Projects bring Security Solutions fit for UK Royalty to International Security Expo

TSP Projects Ltd

F41

26-Oct-18

Catherine Farrell

Visitors looking for an overall solution to security needs, whether it's an airport, major event, utility or any other critical site, need look no further than stand F41 at this year's International Security Expo.

TSP Projects has teamed up with HC Security Solutions and Zaun Limited to offer the full package to the exhibition's 12.5k visitors, from CPNI approved fencing, architectural landscape products and temporary barriers, to intrusion detection PIDS, vehicle immobilisation, and even advance radar surveillance.

TSP Projects' perimeter security sector has been in operation since 2005, originally as part of "Corus Bi-Steel" then "Tata Bi-Steel" and more recently under the wider TSP Projects engineering consultancy

In 2018, the historic town of Windsor has provided a fairy-tale background to two of the biggest social events in recent years - the Royal Wedding of Prince Harry and Meghan Markle has been followed in quick succession by that of Princess Eugenie and Jack Brooksbank.

With members of the Royal Family and celebrity guests in attendance and millions of TV viewers worldwide, security was of paramount importance. More than 100,000 people were estimated to have lined the route of the Duke and Duchess of Sussex's wedding procession alone.

Recent years have seen a marked increase in the use of vehicles in targeted attacks on soft targets around the world including the UK and Europe. It was therefore a source of pride that the TSP Projects' range of Hostile Mitigation products, that form a part of the UK's National Barrier Asset, were selected to form a "ring of steel" around the May and October events.

Deployed in advance of the big day by H2S2, the joint venture company that currently manages the NBA on behalf of the UK Home Office, TSP Projects Swing Arm Gates, Drop Arm Gates, Wall Units and Barges were positioned in and around the narrow streets and main roads of the town. Strategically located, they enabled the Thames Valley Police to lock-down roads within seconds to prevent unauthorised vehicle access, keeping the crowds safe.

John Marshall, Associate Director at TSP Projects said:

"The TSP Projects HVM temporary range contains tried and tested products to provide robust solutions when it really counts. With the increased use of vehicles as the weapon of choice, it is reassuring to know the range carries some of the highest PAS ratings in the market place for temporary products.

“These products can be installed quickly and efficiently using a small well-trained team for short term or long-term deployments making it the go-to product for Police forces across the country.”

The TSP Projects HVM range can also be seen at other high-profile locations across the UK including iconic locations in central London such as Westminster, Tower Bridge and Lord’s Cricket Ground and as far north as Edinburgh.

TSP Projects also offer a number of permanent solutions which can be styled to fit in perfectly with their surroundings.

John Marshall added:

“We firmly believe that people have the fundamental right to attend their place of work, to gather in large numbers to celebrate or worship, and to go about their daily lives knowing that governments and institutions have taken appropriate precautions to ensure their safety. We’re delighted to collaborate with the other big names in security, Zaub and HC Security Solutions, to offer a complete solution to those planning major events.

“We provide specialist solutions for perimeter security applications to protect people and vital infrastructure assets, including the design, installation and project management of robust physical security measures to protect against incidents both accidental and deliberate.

“As one of the principal suppliers of HVM products to the UK National Barrier Asset we are proud that our products continue to be used on a daily basis to protect people and iconic venues, providing peace of mind and protection from potential harm.”

Find out more about the HVM range and other security solutions at stand F41 at the international Security Expo.

BODY WORN VIDEO CAMERAS - FOR INNOVATIVE SECURITY SOLUTIONS

Pinnacle Response

A30

29-Oct-18

Pinnacle Response

Body worn cameras from Pinnacle Response have been chosen by The Westgrove Group to aid their professional security solutions.

The Westgrove Group, based in Warrington, are a bespoke cleaning and security solutions provider specialising in the Retail, Commercial, Leisure and Aviation sectors. "Refreshingly innovative", the Westgrove Group offer a true partnership approach within the Cleaning and Security Industry.

This contract has seen body worn cameras from Pinnacle Response utilised by security colleagues at a variety of prestige locations including some of the UK's largest shopping centres. Body worn cameras have been proven to act as a deterrent to antisocial and aggressive behaviour and are rapidly becoming 'good practice' across the portfolio.

Body worn cameras help to deter theft and also provide security teams with tangible backup in confrontational situations whilst also providing reassurance to the general public. A report from November 2017 by ABI Global Research suggests retail is one of the fastest growing industries for body worn video solutions, with a prediction of "the number of wearable technology provisions rising to 10 million by 2022".

Alan Whitley, Sales Director at Pinnacle Response, said: "Pinnacle Response are proud to be the bodycam supplier of choice for the Westgrove Group as they continue to provide innovative strategies and bespoke security solutions nationwide. We look forward to a bright future together".

Tom Lewis, National Operations Manager, for The Westgrove Group, said: "As part of our bespoke service provision, Synergy by Westgrove, we are keen to offer our Partners innovative and cost effective security solutions which includes wearable technology. Our colleagues work across the UK many in town and city centre locations where they deal with a variety of incidents day and night. Body cameras help them to feel protected whilst also providing crucial evidence if required. The solutions offered by Pinnacle Response help us provide the best service to our teams and Partners".

PR6 BODY WORN CAMERAS A CONTINUED SUCCESS FOR HULL UNIVERSITY UNION

Pinnacle Response

A30

29-Oct-18

Pinnacle Response

Body worn cameras from Pinnacle Response have been recognised as a continued success for Hull University Union for over two years.

Hull University Union chose the Pinnacle PR6 body worn camera to support security staff on campus during busy periods and events. With their status as NUS Students' Union of the Year 2012, Hull University Union pride themselves in investing in services that promote student experience and welfare. Body worn cameras were introduced to promote a safe and secure environment for both staff and students within the campus grounds. With the campus offering a variety of food outlets, bars and their very own £3.6 million pound nightclub which received BEDA student nightclub of the year and has been awarded the prestigious 'Best Bar None' Award for 5 consecutive years. Providing a safe environment is key.

Body worn video cameras have been proven to act as a deterrent for anti-social behaviour, often just verbal articulation that recording has commenced prompts modified behaviour, encouraging compliance in heightened situations. The low light and full HD capability of the PR6 body worn camera is perfect for a growing University Union that is also becoming an established venue for live gigs on top of all other services available on campus for the students.

Alan Whitley, Sales Director at Pinnacle Response said: "We are proud to be the body-worn camera provider of choice for Hull University and numerous other Higher Education establishments. With a successful two year relationship showing positive results on campus, we look forward to a bright future together".

Andy King, Commercial Services Director at Hull University Union said: "The PR6 body worn cameras have been a fantastic addition to our security at Hull University Union. The cameras have acted as a real deterrent and the number of incidents has fallen since they have been introduced. In the event of an incident, the cameras can be quickly turned on and the quality of the footage and sound is second to none. The door security team have welcomed the introduction of the cameras as they give an independent record of the entire incident. Pinnacle have been very supportive throughout and we would highly recommend them to anyone who is looking for a body worn camera solution in their venues"

BODY WORN CAMERAS FOR PARKING ENFORCEMENT OFFICERS

Pinnacle Response

A30

29-Oct-18

Pinnacle Response

In May, Body worn cameras from Pinnacle Response were brought in as part of a safety measure by East Riding of Yorkshire Council.

Recent security measures were required as Civil Enforcement Officers have been subject to both physical and verbal abuse whilst at work. Civil Enforcement Officers from East Riding of Yorkshire Council previously encountered over 120 incidents where some officers were left injured. These incidents ranged from verbal abuse to physical aggression against Civil Enforcement Officers.

Body cameras have been proven to act as a deterrent, often prompting modified behaviour and acting as a means of de-escalating tense situations, affording increased protection for Civil Enforcement Officers. East Riding of Yorkshire Council invested in body worn cameras to help their staff feel safer at work, often in lone worker environments.

Alan Whitley, Sales Director at Pinnacle Response said: "We were delighted to be chosen as the body worn camera manufacturer of choice for East Riding of Yorkshire Council. Staff safety is a key priority for them and our body worn cameras have been utilised across the UK as a deterrent to antisocial and aggressive behaviour. We look forward to continuing to work with East Riding of Yorkshire Council".

David Hepworth, Parking Operations Manager, at East Riding of Yorkshire Council said: "The civil enforcement officers themselves asked us to introduce the body cameras and we are pleased to be able to provide them. Pinnacle Response provide our Body Cameras, and we are delighted with the performance of the cameras and the support and service we have received from Pinnacle as part of the implementation of the cameras for all our Civil Enforcement Officers. Many authorities across the country are now using body cameras and they have proved extremely effective in reducing the number of incidents involving abusive and aggressive behaviour. They will act as a deterrent to stop these situations happening in the first place and to make our officers feel safer as they go about their duties. Thankfully the majority of motorists are very respectful to our officers".

TIME FOR 'RAIL' CHANGE AS VIRGIN TRAINS INVEST IN PR6 BODYCAMs

Pinnacle Response

A30

29-Oct-18

Pinnacle Response

IT'S TIME FOR 'RAIL' CHANGE

BELFAST BODYCAM MANUFACTURER, PINNACLE RESPONSE LTD, IS PROUD TO SUPPORT VIRGIN TRAINS ON THEIR MISSION TO IMPROVE BOTH PASSENGER AND STAFF SAFETY ACROSS THEIR NETWORK.

Virgin trains purchase 275 cameras for frontline

British Transport Police will have direct access to the footage

People feel safer at work while wearing bodycams and nearly 90% would recommend wearing one to a colleague

Industry-wide study reveals physical assaults against those wearing bodycams fell by almost half (47%)?

Virgin Trains has become the first UK train operator to provide body worn cameras to cover all its frontline people, resulting in assaults on staff falling by more than half.

Following a pilot scheme, Virgin Trains rolled out 275 cameras across the entire network.

Since this was completed in February 2018, assaults on Virgin Trains staff have reduced month by month, from 20 in March 2018 to 6 in September.

Results from a survey revealed that more than 80% of staff felt safer at work while wearing bodycams and nearly 90% would recommend them to colleagues.

In another first for the rail industry, Virgin Trains has given the British Transport Police direct access to footage from the cameras, if needed, thanks to a state-of-the-art cloud-based system that allows them to view the footage when the cameras are docked – speeding up investigations and possible

prosecutions.

The introduction of bodycams on Virgin Trains has already led to one conviction so far, where a man pleaded guilty in June to a public order offence following an incident in April this year on a train in Wolverhampton.

Research across the rail industry showed that when rail employees at station barriers wore bodycams as part of a trial last year, physical assaults against those wearing the technology fell by almost half (47%) and assaults against all employees fell by 26%.

This trial was commissioned as part of the rail industry's commitment to continually improve security and was conducted by the University of Cambridge with five train operators, including Virgin Trains, the British Transport Police (BTP) and the Rail Delivery Group (RDG), which represents the rail industry.

Work is now underway between rail companies and the BTP to develop a joint rollout of the technology across the country.

Lewis Komodromou, a Revenue Protection Team Leader for Virgin Trains, was assaulted by a passenger who had an invalid ticket at Euston station.

Lewis was shoved, subjected to verbal abuse and threatened. Other colleagues intervened, and the man was arrested.

The 26-year-old suffered a shoulder injury in the assault.

He said: "I was extremely shocked after the ordeal. I hadn't really been in that type of situation before so I didn't know how to react. Luckily my Virgin Trains colleagues were there to make sure I was okay."

He said that the rollout has addressed the safety concerns of his team.

"My colleagues have said they feel much safer wearing the bodycams and they have more confidence in situations which could escalate. The response has been really positive," he said. "Since the bodycams have been introduced it has stopped lots of situations that could otherwise get out of

hand. The bodycams have also been great for passing on evidence needed for the BTP.”

Chief Inspector Lorna McEwan, of The British Transport Police, said: “The introduction of body worn cameras is an important step along the road in helping to ensure the safety of rail staff and passengers alike.

“Being assaulted or verbally abused simply for doing your job is completely unacceptable. No one should ever have to feel unsafe – especially when they are at work – and these cameras will help provide us with vital evidence should the inexcusable happen.

“We will continue to actively work with all rail companies to tackle this issue head on.”

Paul Plummer, chief executive of the RDG, said:

“We’re proud of Britain’s railway having such a strong safety record but as an industry we are always looking at ways we can make it even safer. One assault against a rail worker is one too many. Our research shows that body cameras can make a difference -- cutting assaults on staff by almost half. We’re now working together as an industry to develop plans to roll out this technology nation-wide.”

CONTINUED BODY CAMERA PARTNERSHIP FOR COVENTRY RICOH ARENA

Pinnacle Response

A30

29-Oct-18

Pinnacle Response

PINNACLE RESPONSE BODY CAMERAS HAVE BEEN THE BODYCAM SOLUTION OF CHOICE FOR RICOH ARENA FOR 5 YEARS.

Since the official opening of the arena in 2005 the Ricoh Arena has become a world-class destination in Coventry. Accommodating for over 32,000 spectators and a rising capacity of 40,000 for music events, the arena is also home to Coventry City Football Club and the Premiership Rugby Team, Wasps.

This partnership has seen Pinnacle Response's body worn camera solution utilised across security teams at a range of events at the Ricoh Arena, including some of the world's biggest music and entertainment acts. Body worn video cameras have been proven to act as a deterrent for anti-social behaviour. Verbal articulation that recording has commenced is often enough to prompt modified behaviour.

The Ricoh Arena caters for prestigious International Football Events, although the pitch has graced more than just dynamic sporting tournaments and music events, it is also home to one of England's leading conference and exhibition destinations.

Alan Whitley, Sales Director at Pinnacle Response said: "Pinnacle Response body worn cameras are used across a wide range of sporting and large music venues in Europe. We are delighted to continue to supply the Ricoh Arena with our body worn solution to ensure both staff and public safety at the venue".

Paul Cook, Stadium Safety Officer at Ricoh Arena said: "Pinnacle Response have provided us with our Body Worn Video (BWV) solution here at Ricoh Arena aiding our stewarding and safety teams in delivering excellent customer care. The BWV allows our teams to have confidence when dealing with some occasional challenging situations, knowing that the video and audio recording will help produce factual evidence in support of their actions. The BWV from Pinnacle Response was chosen over a number of possible solutions, for the ease and simplicity of use for both the end user and also in downloading the data. Our teams here deal with a wide range of events and sporting fixtures and the BWV has now become an integral part of the safety and security solution provided on site, and as part of the teams range of PPE".

Brian Kelly

For example, the number of daily personal contacts, the nature of those contacts and the work environment can all create different risk levels. This is an area where Bold brings its expertise and support for supporting control rooms when assessing user risk and finding the most effective solution.

Alert features are common to most devices. The Bold solution also provides a direct and secure communications path to the monitoring control room to ensure that alerts are received, and that persons at risk can be accurately located. A listening feature with two-way audio options and auto-recording are also essential features.

Supporting a range of lone worker devices, including BoldSafe, and smart phone apps, Gemini is used in many private control rooms as well as commercial monitoring service providers. The Gemini software support geo-spatial geofencing, overview maps, track over ground indicators, comprehensive scheduling, timed check calls, duress features, and a full suite of user and system reports. Medical and other user data can be maintained within each user record, enabling the operator to provide an intelligent, informed and measured response.

BoldSafe is a discreet and rugged device which can be used anywhere to protect lone workers, the elderly and disabled, children, dementia sufferers, indeed anyone who needs a simple and effective way to call for help. Using mobile phone and GNSS technology, the device is supplied with a non-steered roaming SIM to find the strongest signal, regardless of network.

Sharp Security, a leading security and safety company based in Dublin, commented - "The BoldSafe devices work perfectly and we are very impressed with sound quality and operation. Location fixes are much more accurate than lone worker solutions we have used in the past."

London – October 23, 2018: Smiths Detection has gained ECAC EDS CB C3 approval for the innovative HI-SCAN 6040 CTiX checkpoint scanner. This eliminates the need to remove electronic devices and liquids from hand luggage (subject to local authority guidelines) to make the process more passenger friendly. The HI-SCAN 6040 CTiX delivers the highest levels of security demanded by the new regulations, whilst optimizing checkpoint performance through improved productivity, a better passenger experience and lower operational costs.

Removing the need to take out electronic devices and liquids from hand luggage means handling fewer trays which can significantly increase checkpoint throughput and the impressive 0.2m/s belt speed and low false alarm rate also speed up the process.

“As the only technology meeting EDS CB C3 (and potentially future C4) standards, Computed Tomography (CT) is undoubtedly the way forward for checkpoint security,” commented Matt Clark, VP Technology & Product Development, Smiths Detection.

“With field trials for the HI-SCAN 6040 CTiX well underway, the true value of CT is likely to be established fairly quickly. We are already looking at further developments such as the automatic detection of other dangerous or prohibited items such as guns and large knives.”

To minimise upgrade costs, the new scanner can be incorporated easily into existing checkpoint lanes. Integration into an advanced screening and management platform, such as Smiths Detection’s Checkpoint.Evoplus, will streamline operations even further through remote screening and directed search; as well as providing access to valuable management data.

The HI-SCAN 6040 CTiX is both ECAC EDS CB C3 approved and TSA AT-2 certified. It is available now to order.

Notes to editors

HI-SCAN 6040 CTiX key features:

ECAC EDS CB C3 approved

TSA AT-2 certification

Highest throughput via high belt speed (0.2m/s)

Laptops/liquids can remain in bags

High detection rate and low false-alarm rate thanks to MAT technology

Easily integrated into existing checkpoints

For further information, kindly contact:

Karen Kulinski

Global Marketing Director, Aviation

+49 (0)611 9412 422

karen.kulinski@smithsdetection.com

Jeju International Airport selects Smiths Detection's advanced CT-based screening systems

Smiths Detection

G50

25-Oct-18

JEJU, SOUTH KOREA — 25 Oct 2018

Smiths Detection, a global leader in threat detection and screening technologies for aviation, ports and borders, urban security and defence markets, today announced that it and distribution partner Donggok Precision Co., Ltd. were jointly awarded a c. USD 7 million contract from Korea Airport Corporation (KAC), to supply Jeju International Airport comprising five units each of HI-SCAN 6040 CTiX, iLane.evo and IONSCAN 600, as well as Smiths Detection's Checkpoint Management Software and Checkpoint Evo Plus.

Jeju International Airport is the first airport to install HI-SCAN 6040 CTiX, Smiths Detection's latest Computed Tomography (CT)-based cabin baggage screening system, which was launched in November last year.

Airport security checkpoint is crucial for every traveller, but the process is known to stimulate the highest negative response during a passenger's journey[1]. As a result, airports globally have been working towards providing passengers with a faster and more comfortable experience at security checkpoints. Built using Smiths Detection's proprietary technology, the HI-SCAN 6040 CTiX is expected to significantly decrease the time that travellers spend in security screening as it eradicates the need for passengers to remove electronic devices and liquids from their hand luggage.

"With the growing number of travellers passing through Jeju International Airport and the need to adhere to stricter security standards, KAC was looking for a cutting-edge checkpoint solution with advanced design, effectiveness, and high throughput. As a long-standing distributor and partner of Smiths Detection in Korea, we were able confidently to vouch for their innovative solutions and expertise. We look forward to working with both Smiths Detection and KAC to improve the airport's security checkpoint operations and ensure passenger satisfaction at every step of their journey," said Lee Kwang Sun, Chairman, Donggok Precision Co., Ltd.

The HI-SCAN 6040 CTiX cabin bagging screening system utilises CT technology to provide the highest level of security while improving passenger throughput and lowering overall costs for airports. iLane.evo is an effective tray handling system, designed to remove bottlenecks to deliver a steady flow of trays; and IONSCAN 600 is a portable explosives trace detector that can accurately detect and identify a wide range of explosives in under eight seconds. Together, the three systems will further streamline operations and the screening process to reduce wait time for passengers at the security checkpoint.

"We are extremely honoured that Korea Airport Corporation has partnered with Smiths Detection. This win is the best validation of our products and expertise in the area of aviation security," said John Tan,

Managing Director – Asia Region, Smiths Detection. “Airports are increasingly turning to technology to create a safe and pleasant experience for passengers and our solutions have been helping airports across the globe to achieve this goal. With our systems, travellers passing through Jeju International Airport can look forward to a seamless and stress-free travel experience.”

[1] SITA and Air Transport World’s Passenger IT Trends Survey 2015

Smiths Detection CTiX computed tomography checkpoint scanners to be tested at two U.S. Airports
Smiths Detection
G50

24-Oct-18

Smiths Detection's HI-SCAN 6040 CTiX has been approved to proceed with live baggage screening tests at two U.S. airports: Los Angeles International Airport and St. Louis Lambert International Airport. This is part of a larger TSA initiative to install Computed Tomography (CT) scanners in checkpoints at select U.S. airports as a step forward in their continuous efforts to raise the baseline for aviation security.

Smiths Detection is a leader in applying advanced imaging technology for aviation, ports & borders and critical infrastructure applications around the world. Smiths Detection's latest innovation, HI-SCAN 6040 CTiX, has been developed to enhance airport checkpoint screening measures and processes. It integrates easily into current security lanes, and is also expected to improve productivity. The system generates precise 3D images which, combined with the capability of automatic explosive detection, will eliminate the need to remove electronic devices and liquids from carry-on baggage in the future – helping to improve the passenger's airport experience.

Cameron Ritchie, Vice President, Technology & Product Development at Smiths Detection Inc., said, "Smiths Detection is among the first companies to test CT-based checkpoint scanners in U.S. airports. We have developed the HI-SCAN 6040 CTiX based on our extensive experience serving both TSA's checkpoint and checked baggage screening requirements. The HI-SCAN 6040 CTiX is the result of applying Smiths Detection's decades of global aviation security experience to provide airports with improved productivity, higher throughput and lower costs for checkpoint screening."

The HI-SCAN 6040 CTiX is a key component of Smiths Detection's advanced integrated screening solution. This includes the iLane, a sophisticated automated checkpoint lane, which automatically separates suspicious belongings during screening; Checkpoint.EvoPlus, an advanced screening and management platform; and IONSCAN 600, which is the latest generation of trace detection technology.

Media Contacts:

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DroneALERT CEO selected as a 2018 Woman to Watch in Drone Industry

DroneALERT

DRONE ZONE D24

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B. Tapsall & Women and Drones

About the Women to Watch in UAS List

The award is designed to acknowledge and motivate women who are driving change and leading the drone industry closer to gender parity. In creating this list, we aim to raise the profile of women doing amazing work and to encourage more women to embrace UAS technology.

The award is given by USA based WomenAndDrones.com. This is the largest online platform for women in the UAS industry with a focus on enabling women to connect, collaborate and make global business connections to grow their network.

How Selections were Made.

During the nomination period, we received 288 nominations from seven countries. Individuals were permitted to nominate themselves or others. Based on the nominating submissions, twenty semi-finalists were chosen. All semi-finalists were invited to submit additional information about themselves, their work, and their goals. Final selections were made by our judging panel.

We considered the following qualities as we reviewed submissions:

Dedicated to delivering innovations and solutions that create value for others in the industry.

Distinguish themselves by leading people and companies, and investing time and money to enable drone technology to benefit the world.

Positively shape the public perception of drones.

Advocate for and empower more women to enter the industry and pursue high-level roles.

website: <https://womenanddrones.com/2018wtw/>

video: https://www.youtube.com/watch?time_continue=6&v=eTTqYTMuknM

Body-worn camera comes on stream
Audax Global Solutions Ltd
A60

31-Oct-18

EU Commission

Audax® are worldwide Pioneers in developing Body Worn Video technology. We led the World in 2006 in a joint project with the UK Home Office; were the First UK Security SME ever funded under EU H2020, and were the Communications Systems winner at the Counter Terror Business awards for their 3G/4G camera system.

The EU Commission have recently published an article on their website.

More and more police forces and other security organisations are equipping their personnel with body-worn video cameras to record evidence in real time. With 41 % annual growth, the sector is booming – with many similar products now in the market, how can an SME set itself apart as truly innovative?

‘What we wanted was to have a live-streaming video camera,’ says Adam Liardet, of the EU-funded BIO-AX project. His company, Audax, had been developing body-worn cameras

since 2005 but saw the potential for a device that could, when required, transmit video and audio direct to a command centre rather than simply recording footage for viewing later. Liardet successfully applied for support from the EU’s Horizon 2020 SME Instrument

programme and started the two-year project in 2016 to bring the new camera system to fruition.

Live streaming

As well as funding the technical development of the camera, the programme gave Audax access to advice and support with project management and marketing.

The new camera, also called Bio-AX, can stream live video via the mobile phone network as well as recording in the usual way. Users can insert their own SIM card to connect directly to any network they choose, unlike competing products that use an insecure tethered

connection to a mobile phone. ‘This offers choice and flexibility and doesn’t rely on additional purchases or functionality of other equipment,’ Liardet says.

Audax have taken a strategic decision to supply all the necessary back-room software with the initial purchase rather than require an annual licence. ‘Customers are not going to have these expensive add-ons in the future. This is what makes real innovation – it’s not just the technology, it’s market disruption,’ he explains.

All the Bio-AX software, a complete package for storing and managing recorded video for evidential purposes, is written in-house, retaining full ownership and security. The system is fully compliant with the EU’s General Data Protection Regulation (GDPR) that came into force in May 2018, and new UK standards for body-worn cameras. Data is transmitted with strong AES256 encryption.

Giving something back

With the project finished and the Bio-AX system now on sale, Audax is looking forward to gaining a share of the USD 1.5 billion world market for body-worn video projected by 2021. 'We've got a lot of interest from organisations not just throughout Europe but across the

globe,' Liardet says.

Audax is promoting an EU pavilion at the International Security Expo in London in November where EU-funded companies will present their projects. 'Having recently finished our successful H2020 project and having been so well supported by the European SME Instrument, I thought the right thing to do would be to give something back by helping other SMEs with their projects,' Liardet says.

The company is also working with a London college to offer accredited courses on the use of body-worn video. 'This dynamic course structure provides the knowledge to use BWV

appropriately and proportionately to ensure safety, security and the privacy of people being recorded,' he says. 'The course is applicable to all current and potential BWV users and will enhance both the public- and private-sectors best practice guidelines, demonstrating their commitment to operational best practice within the law.'

Project details

Project acronym: Bio-AX

Project N°: 719806

Total costs: € 1 170 284

EU contribution: € 772 282

Duration: March 2016 to February 2018

View the article online:

http://ec.europa.eu/research/infocentre/article_en.cfm?artid=49733

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See also

Project website:

<http://www.audaxsecurity.co.uk/bio-ax>

Project details:

https://cordis.europa.eu/project/rcn/204190_en.htm

Pilot project to provide police with body cams

Audax Global Solutions Ltd

A60

31-Oct-18

Brandon Pisan TVM

A pilot project will see police officers equipped with body cams to help them in cases where they will require clear evidence where a member of the force is involved in an attack or other incident. Home Affairs Minister Michael Farrugia said that the body cams will first be used by traffic police and if the project is successful, this initiative will spread to other sections of the police force.

The police force will continue to provide its members with more resources and the first step will be to equip them with body cams.

Inspector Sergio Pisano, from the traffic division, told TVM that officers have wanted these cameras for a long time. He pointed out, however, that no member of the force will have access to this footage.

“Every member of the traffic division will be given a camera which will be recording the incident in order to increase their integrity and for their integrity to be protected, both of the police as well as the data itself. The officers will not have access to the data on this camera but only the central administrator will have this access.”

Minister Farrugia told TVM that these cameras will be used following the approval of the Data Protection Commissioner.

“We have been discussing the use of body cams with the Commissioner for a long time and now we have started this pilot project of 23 body cams which will be used by the traffic police.”

Minister Farrugia also said that the footage will be used if required as proof of arrest of a person or persons involved in a criminal case.

“What they will be recording at that particular time can be used as evidence when one charges a person in Court, as the footage can be used as part of the prosecution’s case,” said the Minister.

Minister Farrugia said that the cameras will not only defend the police, and provide clear evidence in the case of a police officer being attacked, but will also protect the public because it will make the police more accountable in the performance of their duties.

See the Article and Video on the TVM Website

<https://www.tvm.com.mt/en/news/pilot-project-to-provide-police-with-body-cams/>

Madico® to Showcase SafetyShield® Glazing Solutions at International Security Expo 2018

Madico

L42

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Jim Ford

St. Petersburg, Florida, USA – Madico, Inc., one of the world’s leading manufacturers of automotive, solar, and safety and security window films, will be exhibiting at the International Security Expo. Held 28 and 29 November 2018 at London’s Olympia Exhibition Centre, the Expo will feature over 250 exhibitors presenting the very latest in innovative security and protection solutions to an anticipated 10,000 visitors.

The International Security Expo promises to be even bigger this year than last. It will showcase a truly comprehensive range of products across nine industrial security sectors: cyber, transportation, border, government, law enforcement, public security, major event, private, and critical national infrastructure.

At the show Madico will display its full range of SafetyShield® products, including blast mitigation glazing solutions featuring FrameGard® and Gullwing® window frame attachment systems. These glazing retrofit products improve existing tempered windows to internationally accepted anti-intrusion and blast rated standards. Madico CL series safety glazing films also retain spall and shards from existing, security rated laminated security windows and entries. These films have been engineered specifically to perform in the most demanding, life threatening situations and can minimize the risk of death, damage and injury caused by a blast or forced entry.

When a window is impacted, SafetyShield film holds shattered glass in place, protecting those inside from flying glass shards and spall. The fact that the glass is held together also adds a layer of security by delaying a would-be intruder from gaining entry and providing security officers with additional time to react.

If graffiti and vandalism are a concern, Madico will also have available its Graffiti Free® film. Graffiti-Free acts as a sacrificial barrier to help control vandalism and provide a cost-effective alternative to replacing damaged glazing.

For nearly 60 years, Madico has been exceeding the needs of customers with top of the line products and superior service. Plan to stop by Stand C-33 to learn more about our advanced performance, glazing films and frame attachment systems.

About Madico, Inc.

With facilities in Saint Petersburg, Florida, Madico develop, manufacture, and market technologically advanced laminates. With roots dating back over a century and an unrivaled commitment to quality of design, Madico continues to pioneer industry-first products and processes with a focus on solar control window films for vehicles, homes and commercial properties.

RAMM Science to Demonstrate groundbreaking LiDAR multi-sensory Security Surveillance System at International Security Expo 2018

Ramm Science
A80

ABOUT RAMM Science Ltd.

RAMM Science was founded in New Zealand in 2017 by Alain Richardt. Now headquartered in London, UK, in the heart of London's burgeoning 'Silicon Valley Roundabout' district. RAMM Science offers the world's leading AI Deep Learning powered security surveillance system for real-time capture and processing of 3D mapping data and object detection, tracking, and classification.

LONDON, United Kingdom, 30 October, 2018 – RAMM Science Ltd, a leading provider of next-generation LiDAR smart sensing solutions, today announced that it will demonstrate a first-of-its-kind security solution for intruder detection and surveillance automation at International Security Expo, Europe's premier security trade show. The demonstration will integrate RAMM Science's AI powered DeepPoint security technology with a PTZ (Pan-Tilt-Zoom) camera and newly released LiDAR Sensor. This will take place at stand A80 from November 28-29.

These demonstrations will mark the first time DeepPoint, a detection and security surveillance system powered by AI Deep Learning has been fully integrated with a PTZ camera, allowing for real-time detection, tracking, and counting using 3D point clouds and colour video. The system uses LiDAR to quickly detect and classify a human intruding into a secure area, and follow that unique subject with a video security camera throughout a designated area.

"Current security systems are plagued by inefficiencies and expensive false alarms. By combining three key technologies; Artificial Intelligence, LiDAR and PTZ cameras, we have created a new, optimized security solution," said Alain Richardt, chief executive officer of RAMM Science. "With RAMM Science's DeepPoint, an advanced PTZ camera, and a LiDAR sensor, the system can detect security breaches quickly and accurately, and will catch any intrusion. No other system on the market today provides this level of advanced integrated capability."

With a LiDAR-equipped security system, security professionals no longer need to monitor several cameras and TV screens at the same time – rather, they can be assured that the LiDAR sensor will detect intrusions into secure areas and automatically direct the PTZ camera specifically to the location in question. The system can also zoom, focus, and monitor specific zones of interest, with certain custom, pre-defined complex behavioural triggers prompting it to track and record within a given space.

"We're excited to demonstrate DeepPoint and show the integration of cutting-edge LiDAR and advanced security cameras," said Alain, "Our demonstration shows the potential of automated security services and their ability to empower businesses and individuals to more efficiently keep their property safe."

In this integration, RAMM Science will be merging its DeepPoint technology, comprising a newly released to market LiDAR sensor, with an advanced PTZ camera which possesses outstanding accuracy as well as ultra-smooth and rapid motion with continuous rotation in both pan and tilt. The LiDAR sensor provides a 360° field of view, high accuracy, fine resolution and has a maximum range exceeding 150

meters.

The RAMM Science DeepPoint platform will be on display during International Security Expo 2018 at the RAMM Science stand, A80.

For more information, please visit <https://ramm.science/x/home/>

MRB Corporation Ltd.

Bots are used to: Create fake profiles in order to disrupt the political views of the citizenry. Bots are also used to promote fake news on social media in order to corrupt the mindset of gullible people into believing the twisted facts they want them to see.

News and friends feed is what people go to social media to read. But when facts are manipulated to feed a common difference we have, it creates animosity. Such a thing is what Bot does on social media. Bots are also used to grow fake followings all over social media. People attach a lot of prestige to someone who has a huge following all over social media. For that reason, Bots are used to give them what they seek. Bots are also used to run multiple registrations on sites that place it as going against their terms of service.

Captchas have been invented to curb the effect of Bots online, but the impact hasn't been felt as much as industry experts would wish they should be in the first place.

Visual Captchas, text and audio Captchas have been improved upon a couple of times to reduce the growing amount of bots on the internet, but little is still heard about getting a definite solution to the problem.

Hackers keep devising new ways to beat the system, and internet security experts keep working to keep them out.

However, almost all current CAPTCHA models have been broken using different recognition and AI attacks. VICAP is the new technology that is known to be the most secure captcha on the market at the time speaking. For more information please visit our website www.vicap-cyber.com

VICAP is the most secured model in the market

MRB Corporation

H10

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MRB Corporation Ltd.

VICAP uses the ability of humans to see and understand, to code the way a website recognizes a human user and a robot. Unlike before where bots could easily gain access to a page without any form of obstruction, causing multiple registration entries and violation. Now bots can no longer do that. If they want to, they will have to solve these visual Captcha. Solving visual Captcha requires having a human understanding of shapes, audios, texts, shapes, and patterns, because they come in various form trying to confuse bots.

VICAP is a new captcha and researches just proved tha all current captcha models have been broken, hereby, our product provides an innovative solution which is no other than being secured against all current attacks and image recognition techniques – being one of the most robust products in the market.

Computer Bots can read and defeat current CAPTCHA models at a high success rate.

MRB Corporation

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MRB Corporation Ltd.

With the help of sophisticated AI, Bots can now read Captchas easily without any assistance whatsoever. It was echoed by a team who goes by the name of Vicarious. A San Francisco-based artificial intelligence company that cracked the standard text Captcha 90% of the time it tried it.

Bots can easily read and defeat visual and text-based Captchas with the help of artificial intelligence. But when it comes to more advanced ones, it becomes impaired.

Are the current captchas on the market secured?

MRB Corporation

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MRB Corporation Ltd.

The growing and evolving trend through which bots, phishing and malware's have found their way into the cyberspace has made relevant security apparatus to come up with ways to fight them.

While Captcha patterns continue to change, some people are beginning to ask the type of questions we have been asking for years. Are Captchas secure?

Captchas were developed to solve our problems, but so far- they have not been secure. Many techniques developed by hackers have been known to infiltrate even more developed Captcha programs like Clickable Captcha, Public Key Captcha and many more. The idea is that a secured way that uses end-to-end encryption will be developed to give websites more security. for more ideas please visit: www.vicap-cyber.com

SILNY & SALAMON – who we are?

SILNY & SALAMON

F13

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Monika Panasiuk

Silny & Salamon was established in 1989 specialising in security seals and systems for private sector, government, police and army. Our secure products are used across wide range of industries: transport and logistics, aviation, utilities and electrical, retails, banking and posts, manufacturing etc.

We offer a wide range of standard security seals like: plastic and metal seals, bolt and cable ones, secure pouches and bags and security tapes and labels as well.

All of our products guarantee uniqueness and ability to prove any tampering attempts. The consecutive numbering or barcodes are provided using state-of-the-art technology in various colours, with a logo or user company's name on it, enable identification and full control.

Our intelligent security seals and systems with RFID technology are tailored to the customer-specific needs. We offer the complete innovative security system (hardware and software) for marking and identification of products, inventory, asset tracking, asset management.

Visit us at stand F13 to meet our representatives!

security fabric bags and pouches by Silny & Salamon

SILNY & SALAMON

F13

Monika Panasiuk

Security pouches are made for individual customer requirement even in a small quantity. Products are made of special fabric resistant to mechanical damages, chemicals, humidity.

A sealing chamber is a main securing element of a pouch or a bag and it's locked with our seals SILSAL & SILSAL1 with consecutive unique numbering on them. Double seams and strip are additional feature to protect against tampering.

Security pouches are made according individual customer requirements - could be in different sizes and colors.

Cyber Security

Arana Security

H52

Arana Security H52

This unique partnership is expected to be beneficial especially for financial institutions, airlines, e-commerce vendors, payment gateways, the healthcare sector and newly emerging initiatives such as cryptocurrency start-ups.

This cooperation is expected to enhance cyber security capabilities of both parties, in terms of cyber security services such as penetration testing, cyber-security trainings and security consultancy. Additionally, ARANA and PRODAFT will also be cooperating on introduction of GFACT Cyber Intelligence platform to the U.K. market.

An Evacuation Management and Emergency Roll-call Solution

Thinking Software

D74

Thinking Software

Thinking Software, a leader in Workforce Management and Time & Attendance Systems, will be showcasing **Musterd** – its revolutionary Roll-Call and Sweep & Clear System – at this year's International Security Expo.

Awareness of the need for safe and effective evacuation during an emergency is at its height in the aftermath of the devastating fire at Grenfell. The Telegraph reported on a story of one particular survivor of the fire, who was trapped in his 10th floor flat. They told of how "numerous" 999 calls were made about his position but he was only rescued after he rang his son who passed the phone to an officer on the ground.

With a system like Musterd in place, where integration of both evacuation management and emergency roll-call is part of the package, both the safety of personnel and/or residents can be ensured, through real-time views of everyone's location and safety status on the site.

Musterd tells you where people are to be found, who's safe and who's not.

Steve Rothkopf, Thinking Software's Managing Director, says: "When an alarm sounds, or a site is exposed to a fire, terror attack or any other serious and complex threat, words like 'safety' and 'security' suddenly take on real meaning. We've developed Musterd because we consider safety and security to be basic human rights, and we believe that Musterd can help to provide them to the modern workplace and inhabited high-rise buildings."

Musterd Roll-Call is designed to work quietly alongside a site's access control, and it integrates with many of the UK's most popular Access Control Systems. Musterd Sweep & Clear focuses on clearing designated areas and helps to keep sweepers safe.

During normal operations, Musterd sits passively in the background, capturing the data it needs to create a secure, resilient and cloud-based copy of every employee's current location within the site. Musterd then pushes this crucial data back out to a set of hand-held Musterd devices.

In an emergency, the Musterd Roll Call System already knows everyone's whereabouts. Any Musterd-enabled device can instantly produce a completely dynamic, real-time list of 'unsafe' people for roll-call, mustering and rescue operations, and these lists can help fire marshals and other specialist safety personnel make the site workforce "safe" at designated mustering and assembly points.

One of Musterd's crucial features is its resilience. Musterd can "go it alone" if a site's power, network, access control or WiFi is disabled by a fire or other damage. Emergencies aren't predictable, so Musterd and its linked devices are designed to keep working under almost any circumstances, and to continue to update the safety status of site personnel.

And crucially, if anyone hasn't reported for roll-call at a Musterd device, then Musterd can tell rescue teams where the missing people might be found.

As data security is always under threat, Musterd uses fast, secure communications, so site data is always safely encrypted, even when at rest on a Musterd device.

The Musterd portal provides Musterd users with access to a powerful reporting suite, much of it in real-time, so that fire drill and emergency safety performance can be continuously monitored and improved.

Come and visit us at Stand D74.

If you would like to book a time for a demo of Musterd, please complete the form here and we will be in touch with your demo slot: <https://pages.services/demo.thinking-software.com/expo-demo-booking-from-pr/>

To learn more, visit our site at www.thinking-software.com/musterd

Ensuring Fire Safety in High-Rise Buildings

Thinking Software

D74

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Thinking Software

Early warning, adequate exit routes and occupant familiarity are the key elements of being prepared for any emergency. Our evacuation management and emergency roll-call system work together seamlessly to promote the safety of all residents.

If there was a fire in your high-rise building right now, would you know how many people were there? Now, in the aftermath of the devastating fire at Grenfell, this question is more relevant and pertinent than ever. Recently, The Telegraph told of a story of one particular survivor of the fire, who was trapped in his 10th floor flat. They told of how "numerous" 999 calls were made about his position but he was only rescued after he rang his son who passed the phone to an officer on the ground.

With a system like Musterd in place, where integration of both evacuation management and emergency roll-call is part of the package, the safety of residents can be ensured, through real-time views of everyone's location and safety status in the building.

Musterd tells you where people are to be found; who's safe and who's not.

There are two parts to the Musterd system, both critical in ensuring the safety of both fire marshals and residents within the building:

1. Musterd Roll-Call

In an emergency, Musterd helps ensure the safety of your residents. Musterd stores a real-time view of people's locations and their safety status. Musterd can help you to locate them, to know who's safe and who's not.

An alarm is raised and a threat type assigned. Fire marshals with handheld Musterd devices move to muster points to initiate the evacuation and roll call process.

Evacuation - Musterd directs safety crews and residents towards muster points. It then combines access control and Musterd device data to provide all safety crews with a live, up-to-date view of an evacuation in progress.

Safety - Residents register with Musterd devices at safe muster points. Safe and unsafe lists are built and updated in real-time across multiple devices and muster points, creating a list of last-known locations of any remaining unsafe residents.

2. Sweep and Clear

Again, an alarm is raised. Fire marshals with handheld Musterd devices move across the site, scanning Musterd QR-codes to alert the incident manager that the areas are clear.

Evacuation - The Incident Manager gets real-time feedback from fire marshals as they sweep and clear the designated critical areas of the site. Crucially, fire marshals know that their locations are being tracked, so they can be rescued if they encounter trouble.

Safety - As fire marshals sweep each critical area, Musterd displays safe and unsafe lists of all areas across the site. Any unsafe areas get urgent attention from rescue personnel, without delay. Fire marshals then report at a muster point to show that they're safe.

One of Musterd's crucial features is its resilience. Musterd can "go it alone" if a site's power, network, access control or WiFi is disabled by a fire or other damage. Emergencies aren't predictable, so Musterd and its linked devices are designed to keep working under almost any circumstances, and to continue to update the safety status of residents.

Come and visit us at Stand D74.

If you would like to book a time for a demo of Musterd at the event, please complete the form here and we will get in touch with a designated slot, that works for you: <https://pages.services/demo.thinking-software.com/expo-demo-booking-from-pr/>

To learn more about Musterd, visit our site at www.thinking-software.com/musterd

Discovery-to-go! The Boxcop
MH Services
N20

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Jamie Clarke

This forensic laptop bundle consists of a powerful laptop and the brand new Box- Cop. This forensic unit is very small, very light, extremely versatile, highly usable and easy to carry. Customised Imaging, Ventilated Shelf IceTray, Watertight, crushproof, and dustproof, Open cell core with solid wall design - strong, light weight

Instead of connecting multiple power supplies, cables and adapters, it is enough now simply to plug in the power cord and start your forensic investigations directly on site. This all-in-one solution includes everything you need to image suspect de- vices and suspicious media.

As a special extra: The kit comes in an transport-case, which is completely water- proof, shatterproof and dustproof, acting as a two-in-one protection with its removable computer case and accessory pouch.

29 years of experience on SECURITY SEALS market by Silny & Salamon
SILNY & SALAMON
F13

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Monika Panasiuk

Silny & Salamon offers a wide variety of lenth and width of cable seals in different colors, impinting on it.

Metal security seals offer high and moderate level of security. To remove it cable cutter or other special tool is required. Our bolt security seals meet the criteria of safety of CTPAT (Customs-Trade Partnership Against Terrorism).

Plastic security seals offer moderate and low level of security with different operation length. Plastic security seals are a very flexible solution with competitive pricing. They are made of high quality plastic (polypropylene or polyethylen), available with metal insert. Special remove tool is not required.

To learn more please visit our website www.eplomben.de

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Blair Gibbs and Johnny Hugill

As stated in the Directory "Small Technology Companies are much nimbler and more responsive to the needs of the Public and the Police. Such companies react more quickly to innovate, deliver solutions and address new criminal behaviour." it goes on to say " There are solutions ready today that can make a demonstratable impact on Police Business Processes and crime fighting right now"

Audax® are worldwide Pioneers in developing Body Worn Video (BWV) technology. We **led the World in 2006 with the UK Home Office** in a joint project producing the first ever BWV standards. Audax® were the **First UK Security SME ever funded by the European Union H2020** Instrument which resulted in **Bio-AX®** meeting both BS EN 8593:2017 and the requirements of the UK Home Office Technical Guidance published in July 2018. Audax® were the **Communications Systems Award winner at the Counter Terror Business awards** and **winners of the "Most Innovative in Security Technology" at the Innovation & Excellence Awards 2019.**

The report outlines the police technology landscape, the police tech market as well as trends and drivers for police use of technology. One of the conclusions in the report is that when law enforcement don't use new technology, they risk time-consuming processes, missed opportunities and misallocation of resources.

In the foreword Lord Bernard Hogan-Howe, QPM ex-commissioner of the Metropolitan Police Service, points out that new technologies offer an opportunity to work better across borders and that smaller tech companies have an advantage in a world where technology development is moving at a very fast pace. Lord Hogan-Howe highlights that small technology companies are much nimbler and more responsive to the needs of the public and the police; that they react more quickly to innovate, deliver solutions and address new criminal behaviour.

The 75 tech companies in the Tech Pioneers Index have been identified as the most innovative tech companies serving the policing market today. Around a third were from the UK, slightly more from North America and the remainder from the EU, Australia and NZ.

Of the 25 UK companies featured that could drive a new wave of Technology-enabled Policing is Audax Global Solutions Ltd.

Please you can download your own copy from here

<https://view.publitas.com/public-1/police-tech-pioneers/page/68-69>

<http://www.public.io/wp-content/uploads/2018/10/Police-Tech-Pioneers.pdf>

ORBL Solutions
ORBL Solutions
L44

ORBL SECURITY solutions built on top of innovative VIDEO IDENTIFICATION PLATFORM. Based on 4 neural networks with 99,999999% accuracy rate it enables any system to provide the most advanced, seamless and scalable security management service.

access control

2FA

black/grey/white lists

zone control

working hours management

heating map

security operations confirmation by face

face+id feature

defining the exact location of certain people presense;

identifying the emotional score of employees during high-risk operations;

and dozens of other products are bringing truly intelligent and revolutionary experience for consumers.

Open API just for the engine or for ready-to-use solutions to integrate.

Cloud access or on premise licencing models available for highly security institutions.

Our incredibly powerful software easy scale and flex with customers' needs.

JARVISS, Powered by Everbridge, is Now the U.S. Army's Enduring Enterprise System for Threat Visibility

Everbridge

H81

30-Oct-18

EVERBRIDGE

Burlington, Mass. – October 30, 2018 Everbridge, Inc. (NASDAQ: EVBG), the global leader in critical event management and enterprise safety software applications to help keep people safe and businesses running, today announced that JARVISS (Joint Analytic Real-Time Virtual Information Sharing System) is now the U.S. Army's enduring enterprise system for threat visibility. The Everbridge platform is powering JARVISS, creating a premier global threat information sharing system that will help enable the Army to effectively and efficiently identify and assess incidents and threats, in close proximity to military facilities, in a near real-time environment.

The Everbridge Critical Event Management (CEM) platform will be used by the Army to transform global threat information originating from more than 80,000 open sources (including social media, news media, local municipality services, commercial business, and government sources) into actionable information, providing the Army an enterprise system for sharing and reporting threat information and mitigating risk across Army bases and facilities around the world. Prior to JARVISS, the Army lacked a centralized system for real-time, unclassified, threat information-sharing as terrorist attacks or related incidents unfolded. The Department of Defense (DoD) directed the Army to develop a solution to better protect U.S. military personnel and interests following the shootings at military installations in Fort Hood and Chattanooga. The Army's Office of the Provost Marshal General selected the JARVISS platform provided by Everbridge as a joint solution for the problem.

"U.S. Army bases like Fort Hood, standalone facilities such as recruiting stations, and Reserve and National Guard operational units, all demonstrate the diversity of the Army and its integration with local communities, both in the U.S. and abroad," said Mr. Alex Mascelli, Army Antiterrorism Division Chief. "The complexity of threats and the overwhelming need for information sharing among the various DoD Components, Military Services, and Federal law enforcement communities is critical to countering terrorist activities and protecting our military personnel. The Everbridge critical event management platform is instrumental to JARVISS' ability to provide a common operating threat picture for real-time situational awareness and response management to protect all Army personnel and assets."

Powered by Everbridge, JARVISS will help enhance the Army's ability to receive and catalog hazardous events, suspicious activities and threat information, providing users the ability to view threat information before, during and after an incident. The Everbridge platform enables JARVISS users to geo-locate DoD assets in a potential impact zone and disseminate and share information through the JARVISS Mobile App, text alerts, e-mails and other modalities.

In addition to protecting the Warfighter through a common operational picture for real-time threat alerting, JARVISS is designed with a multi-tier architecture to collaborate with other agencies including law enforcement, emergency management, and civil defense to share information and control access based on trust levels of users and platforms.

"The Everbridge team is honored to power JARVISS and provide 48,000 Army users worldwide with threat intelligence and data to protect our soldiers and their families across our nation and around the world," said Jaime Ellertson, CEO of Everbridge. "Increasing the collaboration between the U.S. Army, other DoD components and Federal partners is a critical part of the Army's antiterrorism strategy and how it organizes for success. At Everbridge, we share a deep sense of responsibility towards those who keep us safe."

JARVISS received a DoD Risk Management Framework (RMF) Authority to Operate in April 2018. JARVISS is currently being rolled out Army-wide with pilots planned for other services and

government agencies over the coming year.

About Everbridge

Everbridge, Inc. (NASDAQ: EVBG) is a global software company that provides enterprise software applications that automate and accelerate organizations' operational response to critical events in order to keep people safe and businesses running. During public safety threats such as active shooter situations, terrorist attacks or severe weather conditions, as well as critical business events including IT outages, cyber-attacks or other incidents such as product recalls or supply-chain interruptions, over 4,000 global customers rely on the company's Critical Event Management Platform to quickly and reliably aggregate and assess threat data, locate people at risk and responders able to assist, automate the execution of pre-defined communications processes through the secure delivery to over 100 different communication devices, and track progress on executing response plans. The company's platform sent over 2 billion messages in 2017 and offers the ability to reach over 500 million people in more than 200 countries and territories, including the entire mobile populations on a country-wide scale in Sweden, the Netherlands, the Bahamas, Singapore, Greece, Cambodia, and a number of the largest states in India. The company's critical communications and enterprise safety applications include Mass Notification, Incident Communications, Safety Connection™, IT Alerting, Visual Command Center®, Crisis Commander®, Community Engagement™ and Secure Messaging. Everbridge serves 9 of the 10 largest U.S. cities, 8 of the 10 largest U.S.-based investment banks, all 25 of the 25 busiest North American airports, six of the 10 largest global consulting firms, six of the 10 largest global auto makers, all four of the largest global accounting firms, four of the 10 largest U.S.-based health care providers and four of the 10 largest U.S.-based health insurers. Everbridge is based in Boston and Los Angeles with additional offices in Lansing, San Francisco, Beijing, Kolkata, London, Oslo and Stockholm. For more information, visit www.everbridge.com, read the company blog, and follow on Twitter and Facebook.

Cautionary Language Concerning Forward-Looking Statements

This press release contains "forward-looking statements" within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, including but not limited to, statements regarding the anticipated opportunity and trends for growth in our critical communications and enterprise safety applications and our overall business, our market opportunity, our expectations regarding sales of our products, and our goal to maintain market leadership and extend the markets in which we compete for customers. These forward-looking statements are made as of the date of this press release and were based on current expectations, estimates, forecasts and projections as well as the beliefs and assumptions of management. Words such as "expect," "anticipate," "should," "believe," "target," "project," "goals," "estimate," "potential," "predict," "may," "will," "could," "intend," variations of these terms or the negative of these terms and similar expressions are intended to identify these forward-looking statements. Forward-looking statements are subject to a number of risks and uncertainties, many of which involve factors or circumstances that are beyond our control. Our actual results could differ materially from those stated or implied in forward-looking statements due to a number of factors, including but not limited to: the ability of our products and services to perform as intended and meet our customers' expectations; our ability to attract new customers and retain and increase sales to existing customers; our ability to increase sales of our Mass Notification application and/or ability to increase sales of our other applications; developments in the market for targeted and contextually relevant critical communications or the associated regulatory environment; our estimates of market opportunity and forecasts of market growth may prove to be inaccurate; we have not been profitable on a consistent basis historically and may not achieve or maintain profitability in the future; the lengthy and unpredictable sales cycles for new customers; nature of our business exposes us to inherent liability risks; our ability to attract, integrate and retain qualified personnel; our ability to successfully integrate businesses and assets that we may acquire; our ability to maintain successful relationships with our channel partners and technology partners; our ability to manage our growth effectively; our ability to respond to competitive pressures; potential liability related to privacy and security of personally identifiable information; our ability to protect our intellectual property rights, and the other risks detailed in our

risk factors discussed in filings with the U.S. Securities and Exchange Commission (“SEC”), including but not limited to our Annual Report on Form 10-K for the year ended December 31, 2017 filed with the SEC on March 12, 2018. The forward-looking statements included in this press release represent our views as of the date of this press release. We undertake no intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. These forward-looking statements should not be relied upon as representing our views as of any date subsequent to the date of this press release.

All Everbridge products are trademarks of Everbridge, Inc. in the USA and other countries. All other product or company names mentioned are the property of their respective owners.

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Everbridge to Support Millions of Americans During Great ShakeOut Earthquake Drills

Everbridge

H81

18-Oct-18

EVERBRIDGE

October 18, 2018 — Today marks the 10th anniversary of the Great ShakeOut, an annual opportunity to practice how to be safe during major earthquakes. This important awareness initiative began in southern California in 2008. Today's Great ShakeOut will be the largest earthquake drill ever conducted in California, and Everbridge(NASDAQ: EVBG), the global leader in critical event management and enterprise safety software applications to help keep people safe and businesses running, is poised to participate in many of the drills across the state.

The Great ShakeOut drill is scheduled for 10:18 a.m. PT today, October 18, at which time neighbors, students, and coworkers will "Drop, Cover, and Hold On" as if it were a real earthquake. Many organizations will use the event to test their Everbridge alert platforms, sending critical information regarding safety, shelter, and evacuation to their communities.

Everbridge currently has a pilot project underway with the California Institute of Technology (Caltech) to develop and test a system that can deliver ShakeAlert within the standards developed by the United States Geological Survey (USGS) for push notifications. ShakeAlert is an earthquake early warning (EEW) system that aims to detect significant earthquakes faster than current systems.

"Everbridge is committed to developing a platform that can deliver earthquake early warning notifications within seconds," said Margaret Vinci, Manager of the Office of Earthquake Programs and ShakeAlert SoCal Regional Coordinator at Caltech.

"As part of our commitment to public safety, Everbridge is continuously looking for ways to leverage risk data in order to provide life-saving technologies as quickly and as reliably as possible," said Imad Mouline, CTO of Everbridge. "Over 50 million people reside in the combined states of California, Oregon, and Washington, and we are dedicated to providing them with the most advanced tools and functionality to ensure earthquake preparedness and notification."

Everbridge serves millions of residents in 54 out of California's 58 counties, including the cities of Los Angeles, San Francisco, San Jose, and Sacramento. Among the new tools available for earthquake preparedness and recovery is the Everbridge mobile app, which sends push notifications based on smartphone location, providing alerts about evacuation areas, road conditions, emergencies that require sheltering in place, and more. App downloads are available from the Apple Store for iOS devices and the Google Play Store for Android devices.

About Everbridge

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Rapiscan Systems

At Rapiscan® Systems we rely not only on our significant industry experience, but also the insights we gain from our customers, to make decisions about our technology and services that achieve that goal. As a result, in the past year we have invested heavily in the areas we are confident will have the most impact in strengthening our customers most critical security needs.

Most recently, we added the Rapiscan TRS® to our strong portfolio of aviation security products in response to a consistently growing number of global travelers per year. This automated tray return system was designed to increase passenger flow and improve the overall passenger experience at the checkpoint. TRS™ has proved invaluable in increasing operational efficiency by reducing manual staff handling and enabling passenger data collection for risk assessments.

In 2017, we acquired a full portfolio of trace detection solutions that perfectly complements our current operational offerings. With this new line of trace detection technology, airports, borders and any public venues will be able to identify a wide range of explosives and narcotics, faster and more efficiently than ever before. The portfolio includes six solutions to fit any situation, and complete any security infrastructure.

As is consistent with this industry, the rise of modern technology has prompted a migration towards more advanced solutions. As a result, airports around the world are looking to modernize legacy CT scanning technology and implement real time tomography at the checkpoint. This innovative solution to security screening has proven to lower operational costs, increase throughput and security, and better equip airports for their future needs. Our latest RTT™110 has a unique design and high-resolution imaging technology capable of processing 1,800 bags per hour, to improve operational efficiency and security.

At Rapiscan Systems we know that having the best technology means nothing without also having the highest global certifications and regulatory approvals. For that reason, we're proud to say that our technology is some of the most qualified in the industry for deployment in airports around the world, with certifications including but not limited to U.S. TSA for passenger and Cargo screening, ECAC/EU, France Civil Aviation Authority (STAC), U.K DfT for passenger, hold baggage and cargo screening, Japan Civil Aviation Bureau (JCAB), Italy ENAC, and the Airport Authority of India (AAI).

CORPS SECURITY SELECTS SMARTTASK AS WORKFORCE MANAGEMENT SOFTWARE PARTNER OF CHOICE

SmartTask

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SmartTask Security

Corps Security, the UK's most established and respected specialist security services provider, has appointed SmartTask as its preferred technology partner as part of a business improvement initiative designed to enhance contract delivery and increase operational compliance. The company will implement an advanced patrol monitoring and electronic DOB solution across 700 customer sites to gain added visibility and control over its manned guarding and mobile security operations.

Corps Security, the UK's most established and respected specialist security services provider, has appointed SmartTask as its preferred technology partner as part of a business improvement initiative designed to enhance contract delivery and increase operational compliance. The company will implement an advanced patrol monitoring and electronic DOB solution across 700 customer sites to gain added visibility and control over its manned guarding and mobile security operations.

"We have previously taken an ad hoc approach to patrol monitoring, using multiple systems without any consistent processes," explained Tony Frost, IT Director at Corps Security. "By teaming up with SmartTask we can adopt a single IT system that will help better meet our customers' needs, while giving us added operational insight and business intelligence. With greater levels of transparency and accountability across our team of 3,000 security officers, we can quickly respond to issues, enforce compliance and demonstrate the value we are providing to our customers."

Corps Security undertook a detailed review of the patrol monitoring marketplace, selecting SmartTask based on the flexibility of the system and the company's partnership approach. As a result, Corps Security will be able to rollout the system based on exact customer requirements. This will begin with a patrol monitoring solution initially implemented at 100 sites and a light version, based on SmartTask's DOL solution, which will provide an alternative to paper-based Daily Occurrence Books (DOBs) at a further 600 locations nationwide.

The patrol monitoring system will use NFC tags along predefined routes, so security officers simply have to scan each checkpoint with a SmartTask-enabled smartphone to record their patrols. The SmartTask Advanced app can also be used to book on and off shifts, make check calls, raise alerts and submit detailed incident reports. All captured information will be visible to Corps Security's central control centre, while controlled access will be available to the company's regional management team including site and contract managers.

Using SmartTask's DOL, security officers will be able to quickly make entries electronically, including capturing any supporting images, with incidents escalated with an automated alert to the control room and if appropriate the contract manager. As well as delivering a simple communication tool, it will also remove the cost of providing, distributing and archiving paper-based logs.

"The SmartTask solution will enable us to centrally collate a wide range of data that can be used to streamline, simplify and standardise our business and operational processes. We are already finding clever ways of using the system – such as creating a highly accurate way of reporting contract manager site visits – and expect to work closely with SmartTask moving forward to identify further opportunities to use the wide-ranging functionality. We will also have the ability to develop new features that offer clear benefits to our customers and the business." Concludes Tony Frost.

Paul Ridden, CEO of SmartTask commented: "This partnership with Corps Security is further recognition of the power and potential of our workforce management software. Our understanding of the security sector means our proven solution overcomes real-world challenges and our ongoing development is driven by the needs of the industry. As a result, it is enabling our customers to reduce costs and improve performance, while helping to retain and win more business."

SmartTask is an advanced and simple-to-use employee scheduling and mobile workforce management solution that enables security companies to plan, manage and measure their workforce more effectively. The cloud-based software solution combines intelligent rostering, patrol monitoring and integrated proof of attendance across both static and mobile teams, making it the ideal tool to improve operational control, enhance customer satisfaction, and support duty of care to staff.

CNL Software Renews Technology Partnership with Wavestore

CNL Software

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05-Oct-18

CNL Software

Furthering its dedication to be the world's leading global PSIM solution provider, CNL Software has renewed its technology partnership with Wavestore under its Technology Alliance Program. The program is designed to enable CNL Software to work closer with technology developers to allow deeper integrations and extract greater value for end users of IPSecurityCenter™ PSIM.

"We value our technology partnership with Wavestore, they are working hard to constantly create better, more open, video solutions to deal with the changing threats the security industry faces. The more we collaborate with them the more valuable our joint solution will become," commented Adlan Hussain, VP Marketing at CNL Software. "This partnership aligns with our core strategy on many fronts and can help provide our mutual customers with greater insight to make more informed decisions across the enterprise."

With its PSIM software, IPSecurityCenter, CNL Software works to help security departments across numerous industries capture critical security data in real time while providing an elite user experience – from a rich user interface to a robust integration process to live dashboard overviews. Its software is purpose-built for the security industry, providing product features designed to help security heads to manage their environments on their terms.

"Our Video Management Software (VMS) enables you to manage video from any type of camera from any leading brand, including the latest 4K and 360-degree and multi-sensor formats, mixing live and recorded views on the same screen at the same time," said James Smith Managing Director of Wavestore Global Ltd. "Equally important, our VMS is able to interact with a wide range of third-party systems and technologies, including access control, intelligent video analytics, intruder and perimeter detection. As such, it perfectly complements IPSecurityCenter™ PSIM in its ability to provide users with greater situational awareness.

"We are excited to partner with another innovator. The relationship which has been established between the CNL Software and Wavestore technical teams enables us to provide our mutual end-user clients with cost-effective, future-proof solutions which deliver unique benefits by using both companies' technology together. Our close relationship means that this can even be for bespoke requirements for specific sites and projects.

"Looking forward, our close cooperation will also enable us to efficiently respond to changing market requirements and deliver the benefits of new technologies, as they emerge."

Critical Infrastructure & Government GSOCs Drive CNL Software's IPSecurityCenter™ V5.7 PSIM

CNL Software

D21

25-Jul-18

CNL Software

With over a decade of development IPSecurityCenter leads the Global Security Operations Center (GSOC) market for PSIM with its flexibility, features, performance and sophistication. This latest release improves CNL Software's unique ability to manage across multiple SOCs & GSOCs, keeping in the entire operation in harmony using enterprise wide visualization to support the overall security mission for critical infrastructure and large-scale government homeland security programs.

"We continue to invest heavily in developing the features that customers, partners and industry leaders inspire us to create" commented Simon Knightley, CTO at CNL Software. "We listen to our customers and understand what is important to them. Their ideas help us to innovate new ways to support them in making the GSOC a faster and more effective hub for all mission critical security and life safety related activity. They want their control rooms to see more, act faster and collaborate better throughout the whole organization, which we help them to achieve using IPSecurityCenter V5.7."

The V5.7 release differentiates CNL Software from other PSIM vendors and establishes IPSecurityCenter as the first choice PSIM solution for large scale, Government security programs, critical infrastructure and facilities protection. Some of the main enhancements within the release include;

More scalable for larger deployments - Enhancements support greater control over large scale federated solutions, driving tightly managed GSOC operations.

Faster and more responsive - Improvements include faster access to historic alarm data with fewer clicks and rapid access to video from remote locations.

Support for 64-bit video - ensuring IPSecurityCenter leverages the latest developments in video-technology and multi-thread processing for faster and more scalable solutions.

General Data Protection Regulation (GDPR) ready security platform - Enhancements ensure that IPSecurityCenter is ready for the most demanding compliance processes, with security features such two stage authentication to ensure there are no unauthorized changes to the system.

Improved decision support - Developments include new visually stunning interactive dashboards that allow operators to access key performance indicators in real time using customizable device that can highlight alarm, human, and machine data.

To book a demonstration of IPSecurityCenter please email marketing@cnlsoftware.com.

CP Cases Amazon range is trusted essential equipment for Italian Search and Rescue teams

CP Cases

N50

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CP CASES

Italian USAR teams are tasked for immediate intervention in case of natural disaster, deploying both in the homeland and abroad.

Accordingly, they are in constant state of operational readiness and qualified for air lift operations, using It.A.F. C130 and C27 aircrafts.

Amazon cases play a vital role in keeping all their equipment and hardware neatly stored and ready to move, sorted on the base of the operational profile expected in the specific mission.

The entire spectrum of USAR equipment is accommodated: e.g. hydraulic tools, radios, tents, lights, thermal cameras, sensors and computers for human rescue, first aid medical devices.

USAR teams trust the performance and design of the ruggedized Amazon product range

The Amazon range is appreciated by the USAR teams for their sturdiness, capability to sustain rough handling and to carry super-heavy loads, like the structural lifting equipment. Also appreciated, Amazon cases are qualified for being airlifted due to the airworthiness certification according to ATA 300 regulations.

In total CP Cases has supplied over 300 cases to the USAR teams, in various locations in Italy, with and without engineered foam internals, manufactured specifically to be fit for purpose.

The kits have been pivotal for teams to attend several national crises and natural disasters in recent history including the earthquake in central Italy in August 2016, the avalanche at Rigopiano in January 2017 and most recently at the tragic collapse of the bridge in Genoa in August of this year.

Examples of the deployment of Amazon cases during training manoeuvres and Italian domestic and International incidents, are countless.

The Italian Fire Service USAR organisation is composed of four heavy teams, 12 medium teams and 45 light teams (some of them still under construction). All of them trust in the capabilities of Amazon.

Accredited to MIL-STD 810 and ATA 300

Ruggedized Amazon Cases have been designed to offer exceptional strength to weight and are suitable for military, offshore or other applications where delicate or valuable equipment needs to be transported or stored safely. Designed to meet any specific application the Amazon product range is protective and tough, lightweight and customisable. The cases are produced using a process called

rotomoulding which is ideal for making tough, waterproof products, using a high-quality polyethylene polymer that thickens at the edges and corners for extra strength and impact resistance.

Amazon cases are available in standard UV-stable colours black and olive drab. Other colours can be selected as options. The majority of Amazon products carry NATO stock numbers and are accredited to MIL-STD 810.

Full exploitation of Amazon cases - civilian, military & air transportation

USAR teams are called to move via airlift at short notice, fully exploiting the capabilities of the Amazon cases for both civilian and military air transport as well as specific fit for purpose on the 463L aeronautical pallet.

The future co-ordination and set up of more USAR teams is still an ongoing process and likely to be followed by other specialty crew for Chemical, biological, radiological and nuclear defence (CBRN) and scuba / underwater. These will be implemented on an annual basis as soon as the budgets become available.

Everbridge to Partner and Present at Safer Cities Summit within the International Security Expo and International Disaster Response 2018

Everbridge

H81

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EVERBRIDGE

BURLINGTON, Mass.— **November 15, 2018**— Everbridge (NASDAQ: EVBG), the global leader in critical event management and enterprise safety software applications to help keep people safe and businesses running, announced its exclusive partnership with the Safer Cities Summit, the opening briefing at the International Security Expo and International Disaster Response 2018 (Olympia, London, 28-29 November). The company's CMO Joel Rosen will present at Safer Cities Summit, drawing on Everbridge's vast experience helping cities and countries around the world to prepare for, and deal effectively with, critical events.

Everbridge will exhibit at the event (booth H81) under the theme: 'Keeping People Safe and Operations Running,' and will support several programmes throughout the two days. The company will demonstrate how its Critical Event Management (CEM) platform, which is used to communicate with employees and the general population, allows response teams to automate and manage the lifecycle of incidents ranging from extreme weather events to cyberattacks in the following four steps:

Assess the situation

Locate those in harm's way

Act using incident templates to trigger automated messages

Analyse the results to produce action reports and to make better decisions

Everbridge introduced the next generation of its CEM platform last month and this is the first time that its powerful visualization and orchestration capabilities will have been shown in Europe. Everbridge serves six of the 10 largest global consulting firms, six of the 10 largest global auto makers, all four of the largest global accounting firms, nine of the 10 largest U.S. cities, and all 25 of the 25 busiest North American airports.

The company is also involved in the following scheduled events at the Expo:

Protecting Urban Spaces - Command & Control Room

LIVE demonstrations daily of the Critical Event Management Platform for:

Location-Based Nationwide Alerting

Critical Event Management for employee safety

Facilities Management Conference

28th Nov 10:55am Keynote

'Attackers have entered your building-where are my staff and are they safe?'

This presentation will be given by Philip Pate, Director Everbridge

International Disaster Response Expo

28th Nov 13:15pm

Theatre 6 Workshop - Providing a coordinated response can reduce the impact of a disaster and save lives. Drawing on recent events and major natural disasters such as Hurricane Irma, this discussion will explore the technology for delivering over 20 million messages on behalf of state and local governments, including the state-wide emergency notification program in Florida. This will be presented by Joel Rosen, CMO, Everbridge

“We have a packed schedule of events taking place within the two Expo’s,” commented Kirsty Grant, EMEA Marketing at Everbridge. “This is a fantastic opportunity to demonstrate the breadth of our solutions and how Everbridge works to provide an ‘assess, locate, act and analyse’ closed loop approach to managing critical events.”

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Notes for Editors:

Press can sign up for FREE Test Alerts!

Throughout the International Security Expo Everbridge will be sending test alerts from the Urban Spaces LIVE demonstrator Command & Control Room. Register to receive Everbridge test alerts via email or SMS. Visit the webpage for details: <http://go.everbridge.com/alerts.html>
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First-time Display for Weatherproof Electric Bolt Lock

Magnet Shultz

B12

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Andrew Newton

Attending the International Security Expo for the first time, the UK's leading authority on electric actuators and solenoid subassemblies has chosen to show its acclaimed weatherproof electric bolt lock. Magnet Schultz Ltd (MSL) introduced the fully-enclosed 'EBL-W' locking mechanism in 2017 but has not shown the unit in public.

Since its market introduction, the maintenance-free EBL-W (Electric Bolt Lock - Weatherproof) has been adopted by MSL customers across industry sectors where waterproofing and ingress prevention are imperative, typically in harsh and demanding environments. It features a robust anodised casing machined from a solid aluminium billet and features seals around the moving bolt and internal actuator pathway to provide IP65 compliance.

Applications include seagoing vessels, gates in exposed locations, external security doors and safety interlocking on bio-med and food preparation equipment subjected to aggressive clean-down procedures. To ensure security integrity, the EBL-W design can optionally incorporate a special 'anti-jacking' actuator mechanism to prevent intruders using force to gain access.

In addition to its EBL-W unit, MSL will also showcase a high-end waterproof Marine Lock finished in aesthetically-pleasing polished V4A stainless steel. Specifically designed for onboard marine applications, these slim electric lock mechanisms are widely used in applications on Superyachts and other prestige craft to provide anti-piracy rapid centralised lockdown from the helm position. Like the EBL-W unit, the electric Marine Lock features hermetic seals and can include anti-jacking technology.

Magnet Schultz Ltd is known for its bespoke actuator and electromechanical assembly design expertise. This unique total service extends from concept to tested prototype and on to production manufacture. It helps mitigate or eliminate the risk and costs of in-house development projects for bespoke solenoid applications. Both the EBL-W and Marine Lock products originated as custom projects for special-purpose locking solutions.

Details of both high-grade electric lock modules can be found on the new Magnet Schultz Ltd website <https://www.magnetschultz.co.uk/products/shotbolts-and-locks/boltsweatherproof>

BlastSax sandless sandbags needed to defuse World War Two bombs

Environmental Defence Systems

E13

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Environmental Defence Systems Ltd

Pioneering sandless sandbags have been used by bomb disposal experts defusing two massive World War Two bombs.

Around 500 BlastSax were deployed by Hong Kong Police in the delicate operations on a construction site building a subway rail link in Hong Kong.

The BlastSax from Environmental Defence Systems Ltd based in Huddersfield, West Yorkshire, England, were used to surround the bombs to mitigate any blast and would also absorb some of the fragmentation. They are now deployed with armed forces worldwide.

BlastSax automatically inflate when they come into contact with water to become more effective than traditional sandbags within a few minutes. It means they can quickly be taken to the scenes of potentially major incidents, particularly those that are difficult to access.

Hong Kong police described defusing the second bomb as a particularly “dirty, difficult and dangerous” job due to precarious conditions on the site and heavy rain.

They needed to evacuate 5,000 people before starting the 24-hour operation to defuse the American bomb weighing around 450kg (1,000lbs) which needed supporting with BlastSax to stop it rocking.

Workers on the construction site discovered two bombs there within just five days – and the first took 26 hours to defuse. Police can’t rule out more bombs being discovered as excavation work continues.

The bomb disposal experts cut through the device’s casing and then burned off the explosives inside.

Police bomb disposal officer Alick McWhirter from the Explosive Ordnance Disposal Bureau said: “Bomb disposal operations are dirty, difficult and dangerous. In this particular case, all three were true.

“Because of rain the working conditions were not good. Because of the location it was extremely difficult to be able to access it. Because of the nature of the bomb’s firing mechanism and fuses – one of which we couldn’t even see – it was extremely dangerous for the officers engaged in the disposal operation.”

The bombs are believed to have been dropped by US planes near the end of World War Two while attacking Japanese military facilities along Hong Kong's coastlines.

Experts said if the devices had gone off each bomb would have sent shrapnel flying up to 2km away and given off extreme heat of up to 4,000°C.

EDS Ltd sales director Richard Nikolic said: "BlastSax have undergone stringent MoD tests to prove their effectiveness and are now used worldwide by both police and military and are essential equipment for those involved in the battle against international terrorism. They have really proved their worth during these two major incidents in Hong Kong."

BlastSax factfile

They are transformed from being as light as a pillowcase to more effective than sandbags in minutes.

Easy and space-saving to store in warehouses or on vehicles, BlastSax weigh just 700 grammes before being activated by simply adding water and then they become taut, weighing 20kg (44lbs) in around 3 minutes.

BlastSax have been shown to be more effective than sandbags at capturing fragments from explosive devices and helping forensic teams gather evidence.

They are a reliable protective barrier against grenades and bullets fired by the standard British Army SA80A2 rifle.

One person can carry 40 BlastSax at one time in dry state, equal to 800kgs sandbag weight.

Anti explosive device drone undergoes tests to help tackle terror threat

Environmental Defence Systems

E13

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Environmental Defence Systems Ltd

A highly specialised military drone is set to carry pioneering anti-blast 'sandbags' to deal with terrorist threats.

It can now be revealed that the world-leading drone is undergoing tests to carry BlastSax 'sandless sandbags' to put around suspicious devices.

The drone – known as The Protector - is so sophisticated it can even fire a high tech projectile at a suspicious package from as far away as 30 metres to 'disrupt' it and hopefully stop it from detonating.

Its full title is the SRWO3 EOD UAV and has been designed by SteelRock Technologies (www.sruav.co.uk) to tackle a range of improvised explosive device (IED) threats.

The drone has just undergone tests showing it carrying two BlastSax weighing around 40kg to put around a device.

BlastSax have undergone extensive trials with the British armed forces and can save lives by mitigating explosions from IEDs while helping to preserve the evidence. They have been shown to be more effective than sandbags at capturing fragments from explosive devices and helping forensic teams gather evidence.

BlastSax are manufactured by Environmental Defence Systems Ltd based in Huddersfield, West Yorkshire, and they have teamed up with SteelRock Technologies who will be using a drone they have specially designed for use by Royal Engineers experts for bomb disposal.

SteelRock chief technical officer Chris Hamer said: "It's a multi-purpose drone that has such a specialised thermal imaging camera it can even find IEDs buried beneath the surface of the ground so there is a real chance of discovering a device without the need for operatives to walk up to it."

Simon Gardner, SteelRock's director for special projects and EOD operations, added: "The drone is a heavy lift platform so can carry quite a lot of weight. It means two BlastSax can be carried at a time to place around the device to limit the explosive's capacity and so minimise risk."

Environmental Defence Systems managing director Richard Bailey said: "The threat of an IED is now always present anywhere in the UK and are often deployed in rucksacks or similar bags which is why ways of dealing with this threat are constantly being devised and tested to help keep the public safe."

He added that the drone can also carry a cube called a Drone Cone which can help to mitigate the effects of certain types of devices, but no more information can be revealed about how this works.

The drone can also be used for humanitarian missions such as dropping medical and other vital supplies in warzones and other highly dangerous areas.

Although little more can be revealed about its capabilities it's understood it can run on hydrogen if needed rather than its usual polymer battery.

SteelRock is based in London with a research and development centre in Wales.

electronic security seal TrackLock offered by Silny & Salamon

SILNY & SALAMON

F13

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Monika Panasiuk

Our electronic security seal TrackLock can communicate through GSM, RFID, NFC and a user friendly web platform, sending:

accurate tracking information

locking status

real-time warning alerts according to user predefined specifications.

Reports can be stored in the platform. "Key-less" design reduces the risk of losing keys.

Each intelligent security seal is designed for outdoor use. It has a build-in high performance battery.

Our electronic security seal can be applied in all of kind freight containers.

Material: Aluminum and steel

Application: shipping container and trucks

Size: 48x82x90mm

Battery: 6400 mAh

Alert: tamper (cut/broken) alarm

weight.: 1kg

Innovation and Excellence Awards 2019

Audax Global Solutions Ltd

A60

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Corporate Livewire

This article is an extract from the upcoming Corporate LiveWire Innovation & Excellence Awards 2019. In this edition, the Corporate LiveWire judging panel recognise Audax Global Solutions Ltd. for its market-leading body worn video camera device bestowing the company with its “Most Innovative in Security Technology” award.

The full Innovation & Excellence publication is due to be published in January 2019.

<http://online.fliphtml5.com/qjbb/fbac/#p=1>

Page 10 lists all the events and venues where you can see our award winning products.

This article is an extract from the upcoming Corporate LiveWire Innovation & Excellence Awards 2019. In this edition, the Corporate LiveWire judging panel recognise Audax Global Solutions Ltd. for its market-leading body worn video camera device bestowing the company with its “Most Innovative in Security Technology” award.

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Page 10 lists all the events and venues where you can see our award winning products.

Award-winning tech startup Cyan Forensics raises almost £1m in latest funding round

Cyan Forensics

H31

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David Toy

Scottish startup Cyan Forensics, which develops digital forensic technology to help law enforcement catch criminals faster, has closed a £900,000 investment round led by Mercia Fund Managers, bringing its total funding to nearly £1.5million since it was founded in 2016.

Edinburgh-based Cyan Forensics' technology finds time-critical digital evidence in minutes instead of days, helping police in highly sensitive investigations such as child sexual exploitation and counter-terrorism. The company is currently working with customers across law enforcement agencies which are seeing success using the technology operationally.

The company recently won an award from the UK government for its pioneering work, which recognised Cyan Forensics' collaboration in delivering practical solutions to safeguard the nation.

This latest funding round saw American private investor Don Macleod, a director of Broadcom and former CEO of National Semiconductor, join existing investors Mercia Fund Managers and The Scottish Investment Bank, which both provided funding following their initial investments.

Cyan Forensics, which operates in a market that is expected to grow at 15.9% CAGR, to \$9.68billion by 2022, has achieved significant progress with its range of digital forensics products and now has a team of 10 highly skilled professionals, including former law enforcement and military professionals.

Ian Stevenson, CEO of Cyan Forensics, said: "This latest round of investment will enable us to take full advantage of the market opportunities here in the UK and start developing our business internationally, as well as exploring other opportunities for our technology in cyber security. The whole team is excited about the success we're seeing in our first operational deployments and the opportunities in front of us to contribute to public safety."

Paul Devlin, Investment Manager at Mercia, said: "We're delighted to continue to support Cyan Forensics. This is the latest seed investment, having first backed the team as a spinout from Edinburgh Napier University, they are making excellent progress as they begin to scale up. We believe the business has the potential to make a real difference to the speed at which agencies are able to investigate highly sensitive crime using its innovative forensic technology. The customer base of government and law enforcement agencies is highly impressive and places the company in a great position for future growth."

Kerry Sharp, Director of the Scottish Investment Bank, said: "Scottish Enterprise has supported Cyan

Forensics from an early stage and it is great to see the progress that has been achieved to develop and commercialise new technology in the area of digital forensics. This round of investment will provide the capital to start expansion internationally and into adjacent markets. We look forward to continuing to work with the company, both from an investment perspective and through our account management support, to deliver its long-term growth ambitions.”

About Cyan Forensics

- Cyan Forensics is a cutting-edge software startup, born in Scotland. It helps law enforcement tackle some of the gravest crimes, including child protection and counter terrorism cases computers 20x faster than existing techniques, freeing up police time and speeding up investigations. This not only increases operational efficiency in investigations, but reduces potential risk of further offending or the suspect fleeing
- Cyan Forensics’ software can be used on-scene or in the laboratory by analysts or first responders to triage suspects’ devices, helping to get initial and crucial evidence to investigators fast
- Cyan Forensics’ software is currently used in UK policing, where it has already received exceptional feedback
- The technology is the first of its kind and has been designed by experts in the field who understand the complexity and needs of investigating forces. It builds on three years of cutting-edge research at Edinburgh Napier University and has been proven to deliver results 20x faster than the current industry techniques

www.cyanforensics.com

Ava Group Selected to Safeguard the Indian Ministry of Defence Closed Data Network with Fibre Optic Intrusion Detection
Future Fibre Technologies
E74

Future Fibre Technologies, An Ava Group Company

Ava Group (ASX: AVA), a market leader in the provision of risk management services and technologies, has announced that an Ava Group Company solution has been selected to protect a major military closed data network from the threat of tampering and tapping. The project to deploy its fibre optic intrusion detection and location solution is valued at around US\$11m and asserts Ava Group's status as a world leader in data network protection.

Ava Group Chief Executive Officer, Chris Fergus states: "We are proud that the Future Fibre Technologies (FFT) solution has been selected through a rigorous competitive tender, to deliver the very highest levels of protection to a closed data fibre optic network."

The principal task of this project supports The Ministry of Defence in India, who has the responsibility to protect its closed user group data network which is one of the largest in the world and used by more than one million military personnel.

Any data network is as strong as its weakest link. Government departments, intelligence services, military organisations, financial organisations, nuclear facilities and commercial businesses with valuable intellectual property will have stringent measures in place to mitigate physical and cybersecurity threats yet are often oblivious to the danger of leaving even a closed fibre network unprotected. As such, the asset owners can be potentially exposed to the threat of state-on-state action, terrorism and industrial espionage, as well as incident without motive.

With low-cost readily available technology that requires little expertise, it is possible for an agenda-driven individual, or state-sponsored actor to tap and infiltrate a network at the fibre optic level and harvest data, without raising the alarm, or leaving an evidence trail. Chris Fergus, Ava Group CEO comments: "Any data breach is of grave concern, but those that pass undetected raise the stakes significantly. What's more, in some instances fibre networks run across vast distances, meaning there could be tens of thousands of potential entry points for attack."

Unlike the widely used data encryption and protection schemes used to protect data in transit, Ava Group's solution does not involve manipulation or processing of the data streams, thus avoiding third-party access to the data and therefore introducing additional vulnerabilities. Furthermore, processing or encryption of the data has a significant detrimental impact on bandwidth and latency, thus negating a major benefit of using fibre networks.

Kevin Berry, Ava Group's Head of Information Security explains: "The FFT solution does not see or process the data, cannot access it and there is no requirement for encryption. Consequently, the network infrastructure is fully protected at every point and crucially performance is unaffected. Another major benefit of the FFT solution is that deployment is completed with zero network downtime and can be rolled out across live infrastructure utilising dark fibres." A further reason for organisations to choose Ava Group company solutions is the recent launch of its Global Cybersecurity Centre of Excellence (CCoE). The initiative provides all customers with expert guidance and assurance that the products deployed on their data networks meet globally-recognised cybersecurity standards.

The project is expected to be delivered in phases over a 15-month period, with the FFT solution beginning to strengthen the network from day-one of the installation. Ava Group expects additional revenue from spares and support for seven years after the initial three-year warranty period.

About the Ava Group

The Ava Group is a market leader in the provision of risk management services and technologies, trusted by some of the most security conscious commercial, industrial, military and government clients in the world.

The Group features a range of complementary solutions including intrusion detection for perimeters, pipelines and data networks, biometric and card access control as well as the secure international logistics and storage of high value assets. Through decades of innovation, the Ava Group continues to build upon a comprehensive portfolio of premium services and technologies for the most complex and demanding markets.

Our business truly serves a global market, with our knowledgeable team spread across six continents, providing market and industry expertise directly to customers. With thousands of sites protected, the Ava Group is proven to deliver first class services and technologies that surpass the expectations of our partners and end users.

www.theavagroup.com

Edinburgh Airport and Rohde & Schwarz earn top Airport industry accolade

Rohde & Schwarz GmbH

E51

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Simone Kneifl

**Edinburgh Airport and Rohde & Schwarz named Best Solution Provider at the annual Airport Operators Association (AOA) Awards in the UK for security scanner installation. **

Edinburgh Airport and Rohde & Schwarz today announced that they have been named Best Solution Provider at the 2018 AOA Awards for improving the passenger experience and security through the installation of new scanners. The AOA is the national organisation for UK airports.

Peter Barnes, Security Operations Manager at Edinburgh Airport, welcomed the award saying, "Edinburgh Airport's journey to improve the passenger experience and enhance security through automated passenger scanning was greatly aided by our partnership with Rohde & Schwarz. The R&S team has been fantastic before, during and since the scanners were installed and for this reason alone it is great to have this independent recognition of our achievement together."

Frank Mackel, Managing Director at Rohde & Schwarz UK LTD, added: "This award is a tribute to the Airport, the customer facing team at Rohde & Schwarz and all who were involved in creating this ground breaking product. Edinburgh Airport not only delivers the best possible experience for passengers clearing security today, but is well positioned to conform to new, more stringent security standards that are becoming mandatory in the near future."

Edinburgh Airport installed three R&S QPS200 scanners in its main search area in March 2018 following a successful pilot project. The scanners were an instant hit with passengers and staff, halved the time taken to complete a scan and doubled the clear scan rate. Staff particularly welcome the high clear rate and have confidence that if the scanner flags up a concern there is something there to find. Edinburgh Airport is in the process of upgrading to the newly introduced R&S QPS201, which is twice as fast and much smaller, and was Highly Commended in the Best Innovator category at the AOA Awards.

The UK Department for Transport is now preparing to demand that 100% of passengers are automatically scanned. Peter Barnes believes that, with Rohde & Schwarz' help, the airport is well prepared for this requirement without extended times and queues.

2X Systems Disrupt the Security Screening Market

2X Systems

G85

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2X Systems

In a world where wide spread fear and substantial damage can be created by the simple possession of a car, van or mini bus, vehicle scanning is evolving to become an imperative feature of security. The growing need for vehicle scanning has provoked the manufacturing of various equipment; these large pieces of equipment often face restrictions through their size and complexity to construct. A recent entrant to security scanning, 2X Systems have disrupted the market with innovative solutions to these common problems. By designing rapid deploy scanners in easily portable equipment, 2X Systems are taking new steps to improve the flexibility and ease of usage of vehicle inspection technology. These developments ensures its transferability across all industries.

About 2X Systems.

Based in the United Kingdom, 2X Systems is a company which is committed to providing innovative systems and products that contribute to the development of the ever-changing security scanning industry. Alongside CEO Frank Baldwin, the team utilise the talents of UK based companies and individuals that host knowledge and experience in the security and x-ray scanning industry.

You can meet 2X Systems CEO Frank Baldwin at International Security Expo this November 28th-29th2018 on stand G85 where he will be available to answers questions about your security needs.

SkyWall300 Neutralises Fixed wing drones at Black Dart 2018

Openworks Engineering

E11

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mr James Cross

In the first ever physical capture of a fixed wing drone, the SkyWall300 low-collateral net-capture system was shown to be highly effective against a range of targets.

SkyWall offers a cost effective, proportionate and physical response to the drone threat, allowing the operator to capture and bring down a drone to a controlled landing under parachute. Using a combination of a pneumatically powered launcher and an intelligent projectile, the concept embodies a simple principle: catch the target drone in a net. SkyWall has several inbuilt safety features to allow its use within a populated environment. The SkyWall product range offers drone security in portable and temporary or permanent installations. SkyWall100 is a handheld capture system and SkyWall300 is an automatic mounted system.

The SkyWall300 counter-UAS system was independently evaluated by the US Government at the prestigious Black Dart 2018 event in Indiana over a two-week period in September 2018. This unique net-capture system showed that it was able to reliably neutralize the threat from a range of rotary and fixed wing drone types flying different sorties.

The Black Dart event is run annually by the US Government to evaluate a wide range of counter-UAS technologies. It allows technology providers to show how their systems can handle real world scenarios and is attended by delegates from a broad cross-section of government agencies, including the Department of Homeland Security and Department of Defense.

SkyWall300 neutralizes drones at range by launching a projectile which is timed to deploy in-front of the target and entangle it in a net. The SkyWall300 launcher can be used with a range of projectiles including the SP40 net and parachute option which lowers the captured drone to the ground under a parachute, and the SP10 net-only option which has a larger net for increased effectiveness. SkyWall300 uses deep-learning neural networks to identify and track the target drone – the operator need only decide when to initiate the capture.

Not only was this the first time that SkyWall300 was shown at Black Dart, it also represented the first joint marketing of SkyWall technology by Liteye Systems Inc (the US distributor for SkyWall technology) and OpenWorks Engineering (the UK based OEM). Liteye and OpenWorks have joined forces in the US to support military, law enforcement and security authorities with their counter-UAS missions.

“It is important for operatives on the front line of security and defense to have access to an integrated counter-UAS solution,” stated Chris Down, the Managing Director of OpenWorks. “From the outset we designed SkyWall300 to be easily integrated with UAS detection technology and to complement other neutralisation methods so that users can have access to a flexible toolbox of solutions.”

Future upgrades for SkyWall300 include an auto-reload system as well as further testing to push the capability boundaries.

For more information about how SkyWall technology can help you complete your counter-UAS mission, please contact sales@openworksenineering.com

CBRNe Convergence Canada

CBRNe World

M93

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CBRNe World

CBRNe World, producers of the leading CBRN event, CBRNe Convergence, will be in Ottawa/Gatineau for three days to provide a showcase for learning. Bringing military, civilian and scientific experts together it will be a chance to learn from the best and take home a practical understanding of how you can better deal with this threat, whether it be state or terrorist, better.

Canada has excelled in both civilian and military CBRN for over 100 years. As part of the quadripartite (AUSCANUKUS) it has both delivered and benefitted from the latest scientific research and military doctrine to deal with the CBRN threat. Three, outstanding, Canadian organisations have agreed to partner with us for this event, The Royal Canadian Mounted Police (RCMP), The National CBRNE Response Team of the RCMP, and the Ottawa Fire Services (OFS). As well as providing speakers they will be delivering a live capability demonstration for all delegates.

We have a number of Canadian presenters including Kim Ayotte, Fire Chief, Ottawa Fire Service, Rob Wilson, RCMP CBRNE Operations, Richard Kitchener, Hazmat Team, Vancouver Fire and Rescue Service and Daniel Martin, Toronto PD, Cindi Corbett, Director, Bacterial Pathogens Division, National Microbiology Laboratory, Public Health Agency Canada (PHAC), and Susan Rowsell, Section Head, Bio Threat Defence Section, DGSTCO, Suffield Research Centre Defence Research and Development Canada (DRDC), with more expected weekly. They will be joining an international line up representing the pinnacle of CBRN learning.

Sponsors and exhibitors are booking space fast and we are delighted that Airboss Defense have signed on to be the Platinum Sponsor for this event. Rapiscan have signed up as Gold Sponsor, and Flir, Proengin, and Bio-Fire Defense are Silver Sponsors. Exhibitors that have signed up already include Levitt Safety, Agilent, Visiontec, Nuvia Dynamic, Argon, Decon 7, and H3D. For exhibitor and sponsor opportunities at this unique event contact james.ross@cbrneworld.net or david.levitt@cbrneworld.net

Convergence is also a registered Continuing Professional Development (CPD) provider and if you attend you can claim 20 CPD points! Engaging in Continuing Professional Development ensures that both academic and practical qualifications do not become out-dated or obsolete; allowing you to continually 'up skill' or 're-skill' yourselves. You will also be provided with a certificate that you can add to your professional portfolio to demonstrate your commitment to your professional development.

For more information visit <http://www.cbrneworld.com/events>

Or contact Zoe Rutherford, Marketing and Communications Manager zoe.rutherford@cbrneworld.net

SGW Launch New CCTV Image Quality Assessment System at International Security Expo 2018

SGW Safety & Security Limited

A20

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Simon Whitehouse

The global video surveillance market has increased at a significant pace over the years and projections are made that the market would rise in the next four years i.e. 2018-2022 tremendously.

The video surveillance market is expected to increase due to increasing safety concerns, rising urban population, upsurge in infrastructural investment, growing Artificial Intelligence etc. Yet the market faces some challenges which includes ensuring systems are fit for purpose, meets operational requirements and are of appropriate image quality to satisfy the requirements of law enforcement agencies and the criminal justice system.

The new CCTV Image Quality Assessment System is aligned with the requirements of IEC 62676-4:2014, to achieve a consistent, objective and repetitive evaluation process relating to Video Surveillance System images. The system comprises of a number of assessment tool-kits as follows: -

"VIC" - Video Image Calculator

"SAM" - Screen Assessment Matrix

"Harry" - The 3(R)D Man.....('add-on pack')

Further information is available on our stand A20, or via e-mail to; info@sgw-consulting.co.uk

CBRNe World magazine presents: Asymmetric Threats Event

CBRNe World

M93

06-Jun-19

CBRNe World

They are naturally high profile, bring a lot of individuals together, and while security can be tight it has to be loose enough to let people pass through seamlessly.

Terrorist organisations are now not only targeting the venue itself, but also the surrounding area where individuals queue or gather before or after the event. This means that the outer cordon needs to be extended, but if that security is also too tight it is simply moving the problem further out, rather than resolving it.

What security forces need to do is insert measures seamlessly into the event, ensuring that there are layers of overt and invisible security, flushing out bad actors and ensuring people are safe and having a good time!

For three days in June experts from around the world are going to gather at Old Trafford, home of Manchester United, to be able to discuss best practice in protecting HVE from both conventional (drones, explosives and firearm) and non-conventional (chemical, biological and radiological) threats.

Speakers will come from areas that have already suffered an attack or are in the process of preparing for one. With over 200 delegates and 40 exhibitors it will be a landmark event and build on the success of previous events that focussed on HVE security in Rio de Janeiro and Tokyo.

With a Platinum sponsor, in the shape of Rapiscan Systems, already in place the remaining booths are likely to sell fast, and exhibitors should contact either james.ross@cbrneworld.net or david.levitt@cbrneworld.net to book the remaining stands.

More information will shortly be available on www.cbrneworld.com but you can email zoe.rutherford@cbrneworld.net to keep up to date with the latest speakers and exhibitors!

Stronger, simpler security with new release of EdgeConnector

Dot Origin Ltd

L8

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Patrick Mayo

EdgeConnector physical access control software from Dot Origin radically simplifies and strengthens access management. EdgeConnector's unique design extends the power and flexibility of pre-existing IT system access controls to encompass IP connected doors and locks. This delivers a unified user-access management solution that spans physical and logical controls enterprise-wide, with no additional databases or sync-servers; streamlining system architectures and permissions administration tasks while protecting data and supporting compliance requirements with real-time cyber-physical controls.

The security benefits EdgeConnector brings include: streamlined processes for staff on-boarding and off-boarding, the capability to combine IT and physical access permissions within a common role-based security model, monitoring and management of physical access rights for personnel across multiple sites 'straight out of the box', and access permission updates that take effect at doors in real-time. The solution's unified design philosophy also makes it possible to easily apply additional user-location centred control over digital access to sensitive data and critical applications; restricting these resources to authorized users within secure areas only.

Dan Isaaman, Chief Technical Officer and co-founder of Dot Origin, said: "We developed our integrated physical access control solution from an IT perspective, with a scalable, standards-based, security-focused design. EdgeConnector is unlike anything else - traditional industry approaches to linking physical and IT access systems are complex, typically based around site-centric proprietary solutions for door access, and can't deliver real-time unified access control decision-making."

Release 3.7 of EdgeConnector enhances door status monitoring with the capability to view controlled doors and areas on interactive floor plans within the EdgeManager client application; graphically displaying door states and alerts, such as door forced, door held and tamper alarms. A colour-coded door alert window is also provided to highlight potential issues.

Door management features have been extended to allow schedules to be set for door unlocking, enabling regular periods of open-access to public areas, and for specifying scheduled times when PIN pad authentication is also to be required. To simplify the management of door schedules across global installations time-zones can be assigned to doors.

The range of supported IP door control hardware from all vendors continues to grow wider. Integration with ASSA ABLOY's Aperio® range of wireless locks has been extended; covering the IN100 solution for North American customers and the European H100 model that's designed to be easily retro-fitted to a wide range of internal doors. With EdgeConnector, Aperio locks are connected directly to the network using the Aperio IP hub. Wired door control hardware integrations now incorporate the latest A1601 from Axis Communications and the VertX V2000 EVO from HID Global.

EdgeConnector V3.7 is now available as a free upgrade to existing supported EdgeConnector users, and for all new customers installing an EdgeConnector solution on Active Directory.

The most cost-effective and secure credential for all identity and access enterprise-wide

Dot Origin Ltd

L8

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Patrick Mayo

Organisations typically have many different systems that require user identity verification, such as secure logon to the IT network, the release of documents from printers, controlled access to buildings and restricted areas, as well as cashless canteen vending.

Making it possible for each staff member to use just one credential for all these identity and access applications not only makes life easier for them, which aids their productivity, but also strengthens security across the organisation by enforcing behaviours that ensure protective measures are not circumvented (such as users leaving unlocked workstations unattended, or allowing other people access using 'loaned' IDs).

Furthermore, having just one user identity database for all applications, enterprise-wide, avoids wasteful resource duplication and significantly reduces overall costs.

Why smartcards

Smartcard-based network logon security can readily be implemented within an organisation by leveraging the strong two-factor authentication infrastructure that has long been built-in to successive generations of Microsoft operating systems. Using this standards-based PKI technology allows the same cards and infrastructure to be used for other applications, including disk encryption, email encryption and digital signatures.

Contact smartcard chips are ideally suited to PKI-based applications, providing the 'gold-standard' in security by utilising private keys which are generated and stored securely in the chip, protected against external access, and never shared. The chip hardware from established manufacturers includes design features that prevent keys from being extracted, even if probed by an electron microscope, and so achieve certification to the highest international standards, such as EAL 5+ and FIPS 140-2.

'Hybrid' smartcards combine a separate contactless RFID interface chip with a contact PKI chip in the same card body. This enables the best choice of standards-based contact and contactless technologies to be selected for an organisation's specific requirements. 'Dual interface' cards are also available, which employ a single chip rather than the multiple chips used in hybrid cards, but the limited choice available do not support the common RFID technologies required for most applications of door access control and follow-me printing.

Mobile device based credentials appear to offer a convenient alternative to having to issue each staff member with smartcards, they do however introduce the burden of managing and maintaining multiple apps and device platforms; a task that becomes even more complex as these proliferate over time.

Issuing employees with smartcards commonly supports wider site security requirements, as they can be printed on for use as an easily recognisable company ID, bearing a photo of the user and worn on a lanyard.

The actual security of any digital credential ultimately depends on how well its encryption keys are protected. As mentioned already, contact smartcard chips have been certified to the highest security standards. Mobile devices support 2FA by hosting various app and cloud-based implementations of cryptographic algorithms; such software-based solutions are at greater risk from malware attack and the security of encryption keys depends very much on the particular mobile device and OS in question.

While mobile credentials solutions have become increasingly available, across an ever widening range of identity and access applications, their adoption is currently limited by their far greater cost in comparison to well-established and reliable smartcard solutions.

Security benefits of converged credentials

Process

Combining the identifications required for both logical access and physical access in to a single 'converged credential' facilitates the streamlining of steps in staff on-boarding and off-boarding, helping avoiding the very common process breakdown that leaves former employees with access to an organisation's systems and data. The scale of this issue has been illustrated in several surveys over recent years; typical of these is a 2017 survey(*1) completed by 500 IT professionals in the U.S which revealed:

48% are aware that their organisation has problems with de-provision access for ex-employees.

20% of the total group surveyed identified these failures resulted in a data breach.

People

Staff always tend to find the most expedient ways of getting their work done, even if short-cuts may result in security vulnerabilities. For example, the benefits of two-factor authentication for securing IT

access can be negated by users leaving PCs logged-on while they're away from their desks.

Issuing each staff member with a single card for IT-access as well as opening doors (amongst other uses) naturally compels them to always carry their ID-cards with them at all times. Microsoft Windows can be configured using a standard Group Policy to either lock a workstation, or log the user off completely, when a user's smartcard is removed from an attached reader. IT access is then automatically secured when the user goes elsewhere – to pick-up a coffee or collect a document from a printer perhaps.

The greater the number of applications that the converged credential is used for, the more indispensable it becomes to personnel; resulting in credentials with photo-ID being reliably worn by staff moving around a site, and quashing the practise of lending colleagues IDs to allow them unauthorised access to controlled areas or resources.

Similarly, fully-online and integrated door access control systems can be used to ensure that users can only log on to their PC, or access other IT resources, if they have badged through a door, thus eliminating most 'pass-back' and 'tailgating' issues with access cards.

Technology

Because hybrid smartcards combine separate chips within a single card form factor, it's possible to configure the solutions to an organisation's specific needs; using established technology standards that provide the flexibility to integrate with an extensive range of identity and access applications.

Contactless applications, including building access, can make use of up-to-date technologies, such as DESFire, iCLASS and SEOS, which support mutual authentication with card readers before transferring encrypted identification information. Older RFID chip technologies rely on a simple manufacturer chip serial number or a programmed identification number which is not protected from being read by any reader, making them vulnerable to card cloning attacks. Multiple RFID chips can also be incorporated, to support migration from legacy to modern access control systems, and/or multiple systems.

Card Management Systems (CMSs) help organisations deploy and manage smartcards quickly, efficiently and securely. Hybrid cards comprising contact and contactless chips, each used for multiple applications, can be managed easily with CMS tools that connect to enterprise directories, certificate authorities, card printers, and more.

About us

Dot Origin is an independent supplier and developer of identity based security solutions - specialising in two-factor authentication, PKI, smartcard, mobile, biometric and other credentials, with unique capabilities in unifying and strengthening physical and IT-access controls.

Contact us for impartial advice on the benefits of a converged identity and access management solution for your organisation.

www.dotorigin.com

References:

(*1) <https://www.cioinsight.com/security/slideshows/ex-employees-still-cause-data-breaches.html>

Senetas Expands Cyber-Security Solutions to Content Disarm and Reconstruction (CDR).

Senetas Europe Limited

G32

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Simon Galbally

Senetas will once again be exhibiting at the most important event in their UK calendar. This year Senetas will showcase its SureDrop encrypted file sharing application, certified Ethernet network hardware encryptors, and virtualised network encryption solution.

Importantly, Senetas will also announce to the international cyber-security community its majority investment in Votiro Cybersec Global (Votiro) and its market-leading product, Votiro Disarmer.

Votiro Disarmer is the leader in advanced Content Disarm and Reconstruction (CDR) security technology. As cyber-threats increasingly involve various malware and malicious code, traditional anti-virus sandbox tools are proving insufficient protection against zero-day exploits. Votiro Disarmer excels in identifying these threats.

Senetas Europe's Managing Director, Graham Wallace, commented, "Votiro provides an ideal product partnership with Senetas's encrypted file sharing application, SureDrop, that will be distributed globally in the New Year. Senetas customers will soon be able to choose to deploy SureDrop or SureDrop+ (SureDrop plus Votiro Disarmer)." Mr. Wallace explained, "Votiro Disarmer is much more than an anti-virus sandbox. It is entirely different to sandbox solutions. The difference is not in degree, but in kind. Votiro Disarmer, multi-patented, certified and awardwinning, uses a different enhanced approach to file sanitisation and reconstruction." Votiro Disarmer ensures no file content entering an organisation, or being

shared around the organisation will have known viruses or other malware, or unknown zero-day exploits. SureDrop provides maximum encryption security and data sovereignty control over all content shared within and outside an organisation. "Our customers can have the best of both worlds", added Mr. Wallace.

Mr. Wallace concluded, "Senetas saw an optimal synergy between Votiro and Senetas product technologies. Both organisations offer state-of-the-art security technologies; both maximise security without compromising performance or users' experience."

Graham Wallace will be presenting:

"Data Sharing – Who Has The Power?" at the Expo on the 29th at 14.40 in Theatre 4.

His presentation will focus on the importance of encrypted file sharing and data sovereignty. Senetas we will be showcasing SureDrop encrypted file sharing application,

together with CN Series Ethernet network encryptors and CV Series virtualised network encryptors.

To learn more about SureDrop: www.sure-drop.com

To learn more about Senetas: www.senetas.com

To learn more about Votiro Disarmer: <https://www.votiro.com/products/>

To contact Graham Wallace: graham.wallace@senetas-europe.com

Intelligent access cover technology from Hugslock Systems takes centre stage at the International Security Exhibition

Hugslock Systems

Protecting Urban Spaces Demonstrator

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Denise Huggett

A Dorset Company is launching a ground-breaking smart security access system to protect underground Infrastructure at this year's International Security Exhibition.

Hugslock Systems Limited will be demonstrating the patented access system on November 28th and 29th in an interactive demonstrator taking centre stage at the London Olympia exhibition. The Protecting Urban Spaces demonstrator features innovative smart products that protect from threats in every-day life.

Hugslock Systems Limited is playing a key part in the exhibition. Hugslock have created the iNTelligent Access Cover Technology system. 'iNTACT' will truly revolutionize the security of underground critical infrastructure. Intelligence is embedded within the cover in the form of bespoke sensor/electronics packaging that offer remote locking and monitoring capabilities such as gas, heat, water sensors, Infrared CCTV, motion and seismic sensors.

Hugslock Systems Ltd is a safety and security service provider offering industry leading incident prevention and response management for critical infrastructure. Hugslock Systems is based at Dorset Innovation Park, an advanced engineering cluster of excellence for the South West, building on strengths in marine, defence and energy.

In developed countries, most infrastructure is situated underground. This may be in the form of electricity, gas, water, sewerage, drainage and telecommunications. Gas build ups and electrical faults cause explosions that endanger the public. Fibre hacking, theft of steel covers, water contamination and terrorist activity are other risks posed by insecure underground infrastructure.

Hugslock Systems has designed a range of products that are market leading in the field of Critical Infrastructure Safety & Security. The business is built around the identified need for secure access covers that truly protect the critical infrastructure that services every aspect of daily life.

Hugslock has redesigned the traditional access cover, allowing for remote monitoring 24/7, environmental monitoring and remote locking. "iNTACT" is secure, tamperproof and provides information about its' environment to a central system.

6 key points

iNTACT provides real time remote monitoring and state of the art control via the company dashboard

iNTACT removes the need for physical inspections

iNTACT monitors it's environment constantly through a range of sensors

iNTACT can be fitted to a range of access covers

iNTACT provides bespoke sensing options based on a client's needs

iNTACT is a fully preventative solution providing remote locking and notification of an attack at first contact.

Company Background:

Hugslock Systems Limited is based on Dorset Innovation Park <http://dorsetlep.co.uk/dorset-innovation-park/>

Dorset Innovation Park Enterprise Zone is an advanced engineering cluster of excellence for the South West, building on strengths in marine, defence and energy. The site is being recognised as a major focus for the economic regeneration of South Dorset. A vital stimulus for employment, it is expected to facilitate 2,000 new jobs and attract dozens of new businesses to the area.

Hugslock Systems has won EU and Government Funding initiatives, Horizon 2020 and funding from the Joint Security and Resilience Centre (A Home Office initiative) to get to this stage in product development

Intelligent access cover technology from Hugslock Systems takes centre stage at the International Security Exhibition

Hugslock Systems

J70

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Made In The UK
2X Systems
G85

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2X Systems

Based in the United Kingdom, 2X Systems draws upon the wealth of knowledge that our engineers possess. With our CEO Frank Baldwin providing the innovative concept for the new technology, our designs are proudly UK based.

2X Systems are committed to providing security technology that diminishes the complications and problems met with traditional systems. Looking at the limitations of the current market, our team created the 2X-300 that provides ease of transportation, installation and use. Removing the need of expensive shipping costs and technical management, our vehicle scanners are also extremely cost effective compared to the current marketing prices.

2X Systems to Introduce Innovative Vehicle Scanner Powered By Gulmay at International Security Expo 2018.

2X Systems

G85

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2X Systems

CEO Frank Baldwin recognised the need for a tailored approach to security screening equipment and developed a range of vehicle x-ray scanners. With designs based on out-of-the-box operation, the team at 2X Systems have diminished the traditional issues faced with security screening technology.

The 2X-300 is the first and only portable vehicle scanning unit that can achieve 250 drive through vehicles per hour with a height clearance of 2.9m and a tunnel dimension of 3.0m wide and 3.0m high. Designed to meet the demands of fast-moving vehicle screening, the 2X-300 has the ability to be applied to various needs such as military bases, border check points and VIP facilities. A built-in shipping container provides an easily portable command and control centre.

Our security scanning technology is proudly powered by Gulmay.

Tickets to the International Security Expo 2018 are free, if you wish to find out more about the 2X-300, visit the team on stand G85. Our CEO, Frank Baldwin will also be speaking during the 'Designing Out Terrorism' Conference on 28th November 12.50 - 13.00pm outlining the need for better perimeter security and out of the box x-ray systems. You can register for your free tickets to International Security Expo here <https://bit.ly/2qWpbr0>.

Heras enhances intruder detection portfolio and introduces G-fence PIDS range

HERAS

C50

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Barbora Stewart

Heras, experts in perimeter protection, continues to strengthen its perimeter security solution portfolio as it introduces G-fence, its latest perimeter intrusion detection solution (PIDS) range in the UK. Heras will be launching two variants, the G-fence 3000 and G-fence 600Z. G-fence will be demonstrated for the first time at the <u>International Security Expo, 2018</u> on Heras stand C50, The Grand Hall, Olympia, London, on November 28th and 29th, 2018.

Heras, experts in perimeter protection, continues to strengthen its perimeter security solution portfolio as it introduces G-fence, its latest perimeter intrusion detection solution (PIDS) range in the UK. Heras will be launching two variants, the G-fence 3000 and G-fence 600Z. G-fence will be demonstrated for the first time at the International Security Expo, 2018 on Heras stand C50, The Grand Hall, Olympia, London, on November 28th and 29th, 2018.

The G-fence is a range of highly reliable electronic sensor systems that, once fitted along a fence line, are able to quickly and reliably detect unauthorised access, for example where an intruder attempts to cut, pull on or climb a fence. Connected detectors along the fence, on each fence panel, monitor and analyse vibrations and movement across three axes and filter out false alarms caused by weather conditions or passing vehicles for example. Where an intrusion does occur, the nearest detector immediately (within a second) transmits alarm information to a control room, indicating the location - within three meters - of the attempted intrusion, speeding up reaction times and increasing the chance to catch the offender.

G-fence 3000 provides protection for a fence line of up to 3200 metres, while the G-fence 600Z can be configured with up to 10 alarm individual zones over a maximum 600 m fence line. Other key features of the range include; solar powered controllers (Gfence 3000) , anti-tampering protection and an integrated web server for setup and diagnostics, including remote maintenance and time-stamped log. The range has been designed to provide enhanced perimeter security measures for organisations operating in a range of commercial environments such as manufacturing, transport and logistics, industrial sites, as well as some critical national infrastructure sites.

Steve Dobby, Detection Product Manager at Heras comments; "Many of today's businesses consider perimeter intrusion detection solutions as an essential part of their overall security strategy. The G-fence addition complements our existing PIDS range, the Geoquip product line, and gives our customers even more choice and flexibility for their perimeter security needs. It has already been used in many high profile installations by Heras in the Netherlands over many years and we have great pleasure in offering it to our clients in the UK."

The G-Fence range compliments Heras' existing Geoquip PIDS product range, including Micralert HS analyser which has Centre for the Protection of National Infrastructure (CPNI) CAPSS approval, and is the first and only PIDS on the market to have received this. It is also compatible with other Heras demarcation and entrance control solutions.

Heras at the International Security Expo 2018

HERAS

C50

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Barbora Stewart

On the 28th and 29th of November 2018 Heras will be exhibiting at the International Security Expo 2018, the global high-end security showcase on stand C50.

Come and discover the complete security solutions that we offer at all levels from commercial security to high security at our stand where these solutions will be fully integrated, working and interactive. The stand will exhibit the best implementation of our Entrance Control, Demarcation and Detection.

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We will also be hosting a live workshop about Perimeter Protection and Intrusion Detection on the 28th November from 10.50-11.05 in Theatre 4. Heras can be found at the 'Protecting Urban Spaces Demonstration', a feature which combines technologies in a simulated urban environment to protect people and buildings. As well as this, Heras will participate in the LPCB Live Testing where we will be showcasing our wide range of products in the BRE demonstrations that will bring to life physical attack testing. Thus illustrating the differences between non-certified products and the varying levels of certification available from SR1 to SR3.

High Security Solution

Some organisations need top security measures because they either face greater risk of attack or they house top secret or operationally sensitive information or people such as high security areas within power stations, research centres, oil and gas terminals, military, government and utility sites. This means their perimeter security solutions must be of the highest standards and offer the best possible protection against attack. An example of a high security perimeter protection solution would comprise:

? High security fencing, such as Heras Zenith SR3. This is a welded triple skin mesh fence creating a secure demarcation and deterrent. The mesh 358 is tightly configured ensuring there are no toe or finger holds. Security toppings such as barbed wire can be added to further reduce risk of attack, vandalism and forced entry.

? A premier intrusion detection solution (PIDS) such as Heras-owned Geoquip Cyber Assurance of Physical Security System (CAPSS) - the first and only PIDS on the market to have received CPNI approval - to identify unauthorised personnel crossing a perimeter and protecting IP security systems from cyber attack at the perimeter. The detection technology is integrated with the organisation's overall security management system so that control room staff can be notified in real time of any potential intruder. The system could also be incorporated with other perimeter protection products such as cameras or access control systems, limiting the ability to hack the entrance.

? High security bi-fold gate such as Heras sGate, designed to provide highly reliable and safe entrance control as well as fast and continuous operation and flow. The gate opens and closes in a

matter of seconds, providing quick, controlled entry, and locks securely to prevent unauthorised vehicle or pedestrian access. It seamlessly integrates with other perimeter security solutions.

Commercial Security Solutions

Manufacturer, logistic centre and retailer risk assessments require slightly less comprehensive perimeter protection because they generally are less at risk of sophisticated attack and have fewer high value assets on site. These organisations could consider a commercial security solution that includes:

? Welded mesh fencing system such as Heras Pallas Xtra, a rigid and robust Secured by Design fence that combines specialist security fixings to create an extremely secure demarcation and deterrent.

? A premier intrusion detection solution (PIDS), such a that includes a sound system, alarm light, for example, to detect unauthorised access. Such a PIDS system operates in zones so that if there is an attack, the control room knows exactly where it is for faster response from either police or security teams.

? Rugged and reliable turnstile allowing pedestrian access control. The turnstile grants entry to one person at a time, allowing for a safe and regulated yet high frequency flow of people and a programmable control unit interfaces to most access control systems.

Heras is an expert in perimeter protection and preserving business and so knows how to make security a top priority. Since its inception in 1952, Heras has helped a range of businesses around the world create a safe environment for their customers, suppliers, partners and employees.

HERAS
C50

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Barbora Stewart

Heras, a leading end to end supplier for perimeter protection in the UK and Europe expands its range with a sound-insulating and sound-absorbing fence. This Noise reducer optimally protects against noise, is very quick to install, fully recyclable and can be covered with climbing plants as a green wall. The acoustic wall also was designed with space and durability in mind and as such it takes up minimal building space and the life expectancy easily exceeds 25 years. With the new fence type, Heras offers an ideal solution for public places where perimeter protection and the prevention of noise pollution go hand in hand.

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The Noise reducer is a light, effective and durable sound barrier with impressive sound-absorbing and absorbing values. The soundproofing is available in two versions: the Noise reducer and the Noise reducer HA. Both variants consist of a cleverly designed sandwich construction of PE mesh fabric, a core of sound-absorbing mineral wool and a thin metal plate for extra sound insulation. The Noise reducer has a maximum building height of three meters, whereas the Noise reducer HA is suitable for heights up to six meters. Thanks to an extra layer of mineral wool, this model offers more sound-absorbing capacity than the other variant.

Noise intrusion is a constant issue for most densely populated countries. This can be caused by a number of things: children playing, industry, agriculture, heavy machinery, and rail and road traffic. Noise is not only detrimental to residential and industrial environments, but in some cases even to personal health and welfare.

Heras launches new bi-fold gate range for high traffic environments where security is paramount

HERAS

C50

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Barbora Stewart

Heras, experts in perimeter protection, today launches a range of high security bi-fold gate solutions designed to provide safe entrance control in a multitude of environments and applications where space, speed, safety and security matter. Organisations can rely on the continuity of their business operations due to the sGate's highly reliable design that allows for fast and continuous operation and traffic flow. The sGate, which seamlessly integrates with other Heras perimeter security solutions, will be available from June across Europe.

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The sGate range has been specifically developed as a functional solution to combine the speed of a barrier with the sealing functions of a sliding gate. The gate opens and closes within a matter of seconds, providing quick and controlled entry, as well as locking securely to prevent any unauthorised vehicle or pedestrian access. This is delivered by Heras' patented double driveshaft mechanism, which provides optimal force distribution from drive to gate leaf to ensure a very smooth and low wear operation and therefore minimal maintenance.

Heras is offering three sGate options to suit different application areas. The first is sGate trackless solution - which is the industry standard - is ideal for environments where unrestricted opening is important or when a bottom track is not convenient (as it may be exposed to sand or stones by nature of the application) and where the gate needs to smoothly integrate with the fence line. This option is also suitable for very wide passage openings (up to eight meters).

Heras is also offering two additional options to meet other, specific organisational requirements. The sGate bottom guided solution is ideal for unrestricted opening heights or where the gate is frequently used for heavy vehicles. Its full concrete foundation covers the entire gate opening width, this eliminates the risk of a column being tilted out of position as heavy vehicles pass through which would otherwise cause the gate to not close properly. The gate can also integrate smoothly with most fence lines. Finally, the sGate top guided solution can be used in situations where there is a specific height

restriction, for example, in an underground car park, or if there is a requirement for the opening to be completely sealed to prevent intruders climbing over the gate.

The sGate range, manufactured with high strength S355 quality steel, has been tested to meet the latest industry standards and guidelines for powered gates, including safety EN 13241. With its column design providing a very stable base, the gate can withstand the more extreme weather conditions as it has been accredited to meet windloads of up to 700 N/m² (= windclass 3). Each gate is equipped with ten safety edges and two detection loops and tubular hinges, which removes any crushing risk at column / leaf point. The gates also include two independent sets of photocell detectors each with their own communication channel, making it impossible for them to influence each other, and thereby guaranteeing correct operation. The photocells are instrumental in maintaining absolute safety; if they detect an obstruction, the gate will immediately stop and hold still. Before the gate starts moving, the control system first checks the status of the safety edges and photocells to ensure there are no faults.

Emile Suerink, Product Category Manager at Heras comments; "Building on a huge installed base of automated gates and our extensive in-house knowledge and experience in developing and maintaining gate solutions, introducing the new sGate range further strengthens our end to end perimeter security proposition. Our focus is ensuring extreme reliability and safety for our customers, who are demanding more robust security standards in a world of increasing risk and volatility."

The sGate is available in a range of height, infills and free opening width combinations. Additional safety devices such as loop detection, traffic lights, flashing lights, sirens or extra photocells, are available to further expand the solution. The sGate range integrates with almost any access control solution.

Heras offers a complete portfolio of accredited high security solutions designed to protect the most valuable assets and infrastructure of a range of organisations, industries and communities across the world.

For more information, visit: heras.co.uk

Heras launches SR accredited mesh fencing solution, creating complete perimeter protection offering for the high security market

HERAS

C50

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Barbora Stewart

Heras, experts in perimeter protection, today announces the launch of Zenith, its accredited range of high security mesh fencing solutions. The Zenith range is Heras' high security fencing offering and complements its existing accredited entrance control, demarcation and intrusion detection solutions to meet the increasingly complex and demanding security needs of businesses, industries and communities. The Zenith system offers a high level of protection against vandalism, intrusion and terrorist activity thanks to the combination of its anti-climbing 358 mesh system, secure foundations and security toppings, such as barbed wire. Each Zenith system has been designed to meet a range of security needs and have been rigorously tested by the Building Research Establishment to gain the necessary security ratings (SR) to meet industry standards.

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The Zenith product range include Zenith SR1, Zenith SR2 and Zenith SR3, each offering a different level of protection depending on customer needs. At the lower end the single skin Zenith SR1 protects against opportunist vandalism perhaps in a school environment, while the more robust, triple skin Zenith SR3 protects the most critical assets such as high security areas within power stations, research centres, oil and gas terminals, military and utility sites. Zenith SR2 is suited to utilities organisations, offering a midpoint solution which protects against a more determined opportunist attack with tools of a higher mechanical advantage, for example bolt cutters.

An important differentiator is the design of the Zenith range. The Zenith SR2 and Zenith SR3 include two layers of steel mesh panels which are welded together at 90 degrees to each other to provide a more solid construction built to last for years as well as extra safeguards against attack. The prefabricated panels of the entire range require just 11 fixings per post to allow for extremely quick and easy installation. This also gives the final installation a clean design so it is more aesthetically pleasing than alternative options.

Barbora Stewart, UK Marketing Manager at Heras comments; "Today more than ever, organisations need to protect their people, premises and other assets from a growing number of security threats. Introducing Zenith fencing means Heras can now offer customers a complete high security solution including fencing, entrance control, detection systems as well as a range of design, installation, maintenance and project management services."

Heras offers a complete portfolio of accredited high security solutions designed to protect the most valuable assets and infrastructure of a range of organisations, industries and communities across the world.

For more information, visit: heras.co.uk

WILSON JAMES SELECTS SMARTTASK AS PREFERRED TECHNOLOGY PARTNER FOR NATIONAL MUSEUMS SECURITY CONTRACT

SmartTask

L16

Wilson James has appointed SmartTask as the preferred technology partner and awarded it a deal for the supply of a mobile patrol and electronic smart form solution for a new security contract with National Museums. Under the agreement, the company will now roll out the SmartTask workforce management software to 10 sites including the Natural History Museum, V&A and Science & Industry Museum.

The new partnership between Wilson James and SmartTask will replace an incumbent supplier agreement that no longer met the business and operational requirements of the leading security, construction logistics and business services provider. In particular, the retendering process for the security contract with National Museums required a single provider of a highly-configurable mobile patrol and electronic smart form solution.

An initial trial at the National History Museum focused on use of electronic forms via SmartTask-enabled smartphones to reduce administration and increase the productivity of operational staff. It was designed to identify potential benefits based on the precise requirements of the customer as well as create a suite of seven SmartForms and reports that could deliver standardised data capture and analysis. This included confiscated items and vehicle check SmartForms, scenario testing and incident reporting.

The trial highlighted the clear benefits of using the SmartForms, most notably around confiscated items and vehicle forms. Confiscated items, following bag searches, carried out at the point of entry, historically required between 10-15 minutes to complete and during that time the security officer was away from the floor resulting in lost productivity. Following the adoption of SmartTask, reports can now be created automatically using highly-accurate data, while paper usage and printing requirements have been dramatically reduced.

The time savings achieved at the National History Museum by the Wilson James team have led to higher productivity, greater capacity to carry out bag searches and increased visibility of security staff. Management time saving has also been realised in the production of required monthly reports, as well as administration savings of 12-hours per week for the Security Duty Managers.

Don McCann, Technology Systems Consultant at Wilson James commented: "SmartTask provided significant support throughout the contract bid and contributed to the successful re-signing for a further five years. The solution is now fully operational at five locations – Natural History Museum, National Science & Media Museum, National Railway Museum, Science & Industry Museum and a Wandsworth storage site – with the Science Museum and V&A to follow shortly. SmartTask has also handled a separate project for Bradford Science Festival, which further demonstrated the flexibility of the system, ease of deployment and its suitability for the security sector."

Paul Ridden, CEO of SmartTask said: "This latest agreement demonstrates our ability to work closely with our customers to develop advanced workforce management solutions that support business development, customer retention and quality service delivery. We are now the partner of choice for a growing number of security organisations based on our proven track record helping to tackle some of the most common and difficult operational challenges they face."

SmartTask is an advanced and simple-to-use employee scheduling and mobile workforce management solution that enables security companies to better plan and manage their workers, so they are at the right place, at the right time. The cloud-based software solution combines intelligent

rostering, live monitoring and integrated proof of attendance across both static and mobile teams, making it the ideal tool to improve operational control, enhance customer satisfaction, and support duty of care to staff.