World Security Report

For the latest news, features, essential analysis and comment on security, counter-terrorism, international affairs, warfare and defence

April 2014

MH370 – There's a lot we don't know, but what do we know?

Do you know who's listening?

VIP Protection – The cavity bomber, what's the answer?

Dogs Join the Battle Against Poachers of "The White Gold of Jihad"

Interview - The Evolution of the Vulnerability Assessment

Events by KNM Media & Torch Marketing

3rd World BORDERPOL Congress
9th-11th December 2014
Budapest, Hungary
www.world-borderpol-congress.com

critical infrastructure
PROTECTION AND RESILIENCE EUROPE
4-5 MAR 2015
THE HAGUE
NETHERLANDS

Personnel Protection & Safety Europe
Employers Duty of Care
Conference & Exhibition
4th-5th March 2015 - The Hague, Netherlands

World Security Report

Tony Kingham

Since the fall of the Berlin wall in 1989 there has been a tendency to regard Russia as 'one of us' so to speak, a member of the democratic family of nations and therefore no longer a threat to the 'West', particularly amongst younger politicians and the general public. We 'the West' have dramatically reduced and re-structured our armed forces and refocused our security services based on precisely that premise.

Russia has become a major trading partner for some, a big commodities supplier for others and her economy has steadily grown from the dark and dangerous days of the Soviet collapse.

In the intervening years we have had plenty to occupy us with; Iran, Iraq, North Korea, Libya, Syria, the Taliban, Al-Qaeda and their affiliates and much more besides.

Although she has become a democratic capitalist nation, Russia has seen her place in the world greatly diminished. Despite her enormous size and abundant resources her economy is still only on par with, say Italy or Brazil.

On the big international issues she has found herself powerless to stop the actions of the United States and their allies.

Closer to home in what she regards as her own backyard, she has seen NATO creep ever closer to her borders and has been struggling to maintain influence on the nations she sees as critical to her security.

We have now seen a number of factors coming together to cause this current crisis. At home President Putin has seen his popularity falling as the economic situation in Russia is getting worse. In the Ukraine, the deadline for signing an association agreement with the EU was looming and once signed would take Ukraine out of the Russian orbit permanently. Russia has legitimate claims to protect the interests of ethnic Russians in Eastern Ukraine and a historical and popular (with Russians) claim to the Crimea.

Russia made a play for whole thing via a corrupt President Yanukovych but that plan failed as the Ukrainians took to the streets to demand the promised closer ties with Europe.

So we now have the perfect storm. If President Putin had not acted decisively over the Ukraine and Crimea, his political career was probably over. By playing the Russian nationalist and strong man he has dramatically boosted his standing at home and increased his chances of hanging on to power. The problem is now how do we de-escalate the situation with everyone maintaining face.

The situation in the Ukraine should act as a wake-up call!

As this magazine is published the diplomatic power struggle between the western powers and Russia continues and how it plays out in the coming weeks and months is difficult at this point to say. But what should now be realised is that Russia still has the fifth largest military force in the world, one of the largest and most active secret services and is still bristling with nuclear weapons and the means to deliver them. What is certain is that President Putin has a great deal riding on the outcome of in Ukraine crisis. Despite what Joe Biden says the Crimea is lost and unless a face saving formula is found for all parties, the Ukraine will be a source of instability for a very long time!

MH370 – There's a lot we don't know, but what do we know?

Whilst the search for the missing flight MH370 continues, the useless speculation about why and how the aircraft disappeared goes on.

Until the two black boxes — the cockpit voice recorder and flight data recorder - are found, we won't know and that's assuming they are found!

> "airlines, in a highly competitive market, will not engage in any costly retrofit of new systems"

What we do know is that in today's world of global satellite communications, tracking and navigation, we should have known immediately the aircraft had changed course, when it changed course, what course it took and within a reasonable area, where it crashed.

On 1 June 2009 Air France Flight 447 on route from Rio de Janeiro to Paris crashed into the Atlantic Ocean with the loss of all 228 passengers, aircrew and cabin crew aboard.

Despite the fact that the Brazilian Navy removed the first major wreckage and two bodies from the sea within five days of the accident, the aircraft's black boxes were not recovered from the ocean floor until May 2011, nearly two years later.

The subsequent investigation by the French BEA's (Bureau d'Enquêtes et d'Analyses pour la Sécurité de l'Aviation Civile) was clearly almost at a standstill until the recovery of the black boxes.

When the BEA's initial report was published in July 2011 it clearly focussed on the causes of the accident and the associated recommendations. However, it also acknowledges the lack of information about the position of the aircraft at the time of impact and the time taken to recover the black box data.

An important safety recommendation from the report covers the transmission of flight data:

Recommendation 4 states "that EASA and ICAO make mandatory as quickly as possible, for airplanes making public transport flights with passengers over maritime or remote areas, triggering of data transmission to facilitate localisation as soon as an emergency situation is detected on board."

But nearly 3 years later only a handful of aircraft are operating systems of this kind. That's not because the technology or the satellite coverage is not available because they are. Companies like Star Navigation of Canada have been promoting exactly this type of equipment and service for a number of years and was even mentioned by name in the BEA report.

These systems can provide real-time, onboard data capture, diagnostics and analysis while the aircraft is in flight, together with transmission of required data and location via satellite to the ground.
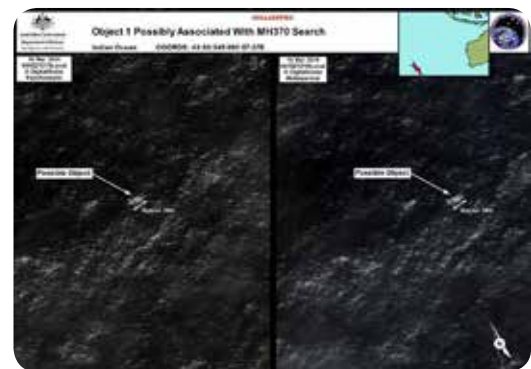
Not only that, in the event of an emergency they can be programmed to send continuous

MH370 – There's a lot we don't know, but what do we know?

position read outs and data right up to the moment of loss of transmission. This is vital to the crash investigation. And these systems are also tamper proof.

So why have the airlines and the authorities been dragging their feet on this issue. The airlines argue that with such tight margins the installation of any new equipment and associated monitoring services will affect profitability.

However, these systems are currently marketed not for their safety features but precisely for their operational cost saving benefits for operators.

If the purpose of the black boxes is to record critical information for any crash investigation; and that investigation is to make recommendations that will make aviation safer for passengers. Then why four and a half years after flight 447 are we in this position?

The reality is that until these systems are; as Recommendation 4 states "that EASA and ICAO make mandatory as quickly as possible" airlines, in a highly competitive market, will not engage in any costly retrofit of new systems and equipment across whole fleets unless they have to. It is the authorities that set the legislative framework and safety standards, so it is time for the authorities to mandate these systems so that the relatives of the victims of the next air disaster don't go through any more suffering than is necessary!

VIP Protection – The cavity bomber, what's the answer?

by Tony Kingham, Editor, WorldSecurityReport

It was confirmed last year that the attempted assassination of Afghanistan's intelligence chief, Asadullah Khalid, back in December 2012 was perpetrated using a bomb carried concealed inside the suicide bombers body cavity.

Following a previous assignation of an Afghan peace envoy by a terrorist with a bomb hidden in his turban, this individual was asked to strip in an armoured room and observed over CCTV. The bomb was obviously not picked up using this method, so the unnamed assailant was allowed to see Mr Khalid, where

"conceivably they could conceal up to 2 and a half kilo's of explosive and detonator inside the body"

the bomb was detonated.

Mr Khalid was not killed but suffered serious enough injuries to require ongoing treatment in the US.

Back in August 2009 the attempted assassination Prince Mohammed bin Nayef, the Saudi Interior Minister, was the first time that this method of attack was first reported. On this occasion, with the element of surprise on their side, the

terrorist was able to pass through two airport security screenings and the Prince's own security before detonating a device that used a mobile phone card and a half kilo of explosives that had been inserted in his rectum.

Fortunately the Prince was unhurt but the perpetrator, a Saudi citizen named Abdullah Hassan Tali al-Asiri, was blown in two.

This is not a threat that will go away. It will have been noted by terrorist organisations around the world that twice, VIP security screening has been penetrated and twice they have successfully detonated a device. With no shortage of young men and women willing to die for their cause and the small amounts of explosive needed for these high profile attacks, they will no-doubt be asking themselves, how they can increase the lethality of the device?

Now, there is probably a limit to the size of a device that can be carried in the rectum, limiting the explosive power, but there are some well known and well used ways of increasing the amount that can be carried in the body.

Every week at airports around the world, drugs smugglers (mules) are caught carrying kilo's of swallowed illegal drugs inside their stomach. They have been known to carry over two kilo's in up to 150 capsules (usually condoms). Now clearly, for every mule that gets caught, many more succeed.

In prisons, a wide variety of objects are routinely smuggled into prison hidden inside a prisoners or visitors rectum. Typically this will be high value prison contraband such as mobile phones, drugs, cigarettes etc. but according to msnbc.com report last year, a working 10 inch .38 calibre revolver was smuggled into a jail cell by a criminal suspect. The suspect had been strip searched and performed what officers called a "squat and cough" procedure but the weapon was not discovered. It seems he was only discovered when officers were alerted by other inmates.

This maybe an extreme case and

it's true that a standard pistol is almost certainly going to be picked up by metal detectors, but it illustrates what a highly motivated individual can do.

The routine use of these methods of smuggling materials through some of the world's most secure facilities makes for worrying reading.

Now if an assassin were to combine these two methods of carrying explosives, conceivably they could conceal up to 2 and a half kilo's of explosive and detonator inside the body. More than enough, in close proximity to their intended target, to kill or maim.

The nightmare for VIP protection officers is that most of the usual methods of detection currently used will not pick up explosives carried internally, so the only other alternative is an intrusive cavity search.

So what technology is there?

Metal detectors, even on the highest sensitivity setting are not likely to pick up the very small amounts of metal required for a modern explosive device and on these settings are likely to give off many false alarms, making them unreliable.

Another technology tried in the US by the Transport Security Agency (TSA) is the Explosive Trace Portals (ETPs), commonly known as as puffer machines. These use a mass spectrometer to detect trace compounds in air circulated around a person in a booth. Some of these machines were deployed in airports but were later withdrawn because of reliability issues. It is also not clear whether these machines would detect explosives carried internally in any case.

Trace detection technology such as Ion Mobility Spectrometry (IMS) is a commonly used method at airports for detecting explosives. This method involves a swab being taken of the individual's fingers or belongings to detect either vapours or particles, which is then analyzed by the machine. It is quick but it relies on the carrier having handled the explosives at some stage during preparation for the operation. But given the fact that this is well known and the intended location of the device, they may well rely on a close friend or colleague to help with preparations!

However, there is a technology that is already in daily use that will detect any object carried internally, and that is the full body X-Ray scanner. These machines are already widely in use by custom officials at airports and prison officers in detention facilities around the world for detecting drugs, weapons and other contraband.

The scans are simple, quick, non-intrusive and safe and will identify any foreign objects, either hidden in body cavities, ingested or indeed carried on the body.

There are a number of manufacturers of these machines but an important new development for the specific role is in the Soter RS Body X-Ray scanner. The latest version now has a remote viewing facility, meaning that the operator does not have to be in the same room so can direct the individual and view the scan from the safety of another room, making it ideal for the job.

The last point that should be noted is that the vast majority of people visiting VIP's and other important establishments around the world are decent law abiding people going about their legitimate business and we would all like to think they should be treated as guests, not threats!

Well these machines do not require the individual to strip or perform any other humiliating procedures, allowing dignity of the guest or visitor to be maintained.

3rd World BORDERPOL Congress

9th-11th December 2014
Budapest, Hungary

Connecting and Protecting

CALL FOR PAPERS
Abstract submittal deadline - 30th April 2014

The World BORDERPOL Congress is the only multi-jurisdictional transnational platform where the border protection, management and security industry policy-makers and practitioners convene annually to discuss the international challenges faced in protecting not only one's own country's borders, but those of neighbours and friends.

We look forward to welcoming you to the wonderful city of Budapest, Hungary in December 2014 for the next gathering of border and migration management professionals.

For further details and to submit your abstract visit **www.world-borderpol-congress.com**

To discuss exhibiting and sponsorship opportunities and your involvement with the World BORDERPOL Congress 2014 please contact:

Tony Kingham
Exhibit Sales Director
T: +44 (0) 208 144 5934
M: +44 (0)7827 297465
E: tony.kingham@worldsecurity-index.com

Paul Gloc
Exhibit Sales Manager
T: +44 (0) 7786 270820
E: paulg@borderpol-event.org

Supporting Organisations:

Media Partners:

Do you know who's listening?

As we have seen in the ongoing 'phone hacking' trials in the UK, there will always be those willing to step over the line of what is legal and moral to acquire information on others that gives them financial or competitive advantage.

The technology might be different but the problem is an old one. Gathering information about individuals, or business competitors is routine and has been going on throughout history. What has changed is the variety of ways in which that information can be acquired. As we have all become more 'connected' we have become more vulnerable to illegal surveillance.

Phone hacking and cyber crime have been grabbing the headlines but eavesdropping on private conversations has become easier than ever. Why, because the technology to 'listen in' to a conversation is now cheap, readily available and very good!

You can now pick up a GSM "Spy Bug" for just a few pounds on the internet. The development of the Remote Mobile Based Listening Devices and GSM Audio "Spy Bugs" represent one of the most challenging periods in counter surveillance history, as they use mobile phone technology, which by its very nature provides links to a global network. Spy bugs are available in a multitude of disguises from cigarette lighters to key fobs, they are encrypted, easily placed, self-powered, voice activated and can be dialed into from anywhere in the world!

Just one electronic listening "bug" device placed in your company board room, home or hotel room could jeopordise your future plans and divulge an individuals or company's most confidential information.

So whether it is a business competitor, a newspaper, a disgruntled employee or just an individual on the make, it is now easier than ever to listen in on other people's conversations!

So what's the answer?

Well there are a number of options available.

The first is a safe room. This is a designated area or room, such as the board room with permanently installed detection equipment. This offers a permanent solution but lacks flexibility.

Option two is to buy your own sweep equipment and train members of your own staff in the use of that equipment. This option provides the flexibility to hold meetings when and where required, but staff change regularly these days so re-training is likely to be ongoing. Also, experience counts for much in the 'sweep' business so knowing where to look is something that comes with doing the job every day!

The last option is to bring in an outside professional 'sweep' team. These companies will perform 'sweeps' as and when required, whether that is for a routine 'sweep' or for a specific meeting or event in the board room or perhaps a hotel room.

This is an attractive option for many because it means you do not have to invest in the equipment and training yourself, and experience comes with the service. However, beware! Many companies claiming to provide sweep services do not have the right equipment to do the job properly.

Gerry Hall, Director of Operations of IPS Security Search Services, said, "There are many people out there claiming to be Sweep Teams, but in reality there are probably only 15-20 professional sweep teams in the UK" He continued, "A professional team will have between £50,000 to £100,000 worth of equipment. IPS has been offering security solutions to FTSE 500 and government agencies for over twenty five years. We are trusted suppliers of leading edge ECM equipment. Our "sweep" teams of trained specialist engineers are equipped with the very latest electronic countermeasures equipment. IPS has supplied equipment to over 100 Government Departments, and has trained practically every law enforcement agency in the world, in the use of this type of equipment."

Clearly, there's no substitute for experience!

Dogs Join the Battle Against Poachers of "The White Gold of Jihad"

Between 1980 and 2012, Africa's elephant population dwindled from 1.2 million to about 420,000.

In 2012 poachers killed 35,000 elephants that equates to 96 elephants per day – or one every 15 minutes.

Like the drug trade, the ivory trade has become an organised criminal enterprise, and with huge profits to be made, it is little wonder that poaching and ivory smuggling is an attractive form of enterprise for militant groups who can derive a significant portion of its funding from the ivory trade, or most recently called "The White Gold of Jihad."

"76% of the forest elephant population is estimated to have already been lost to poaching"

Governments have to throw huge resources to stop the trade by supplying boots on the ground and eyes in the skies, whilst covering vast areas of land, fast in an attempt to stop the killing and illegal trafficking of products of animal origin.

Now Conservation Dogs a sister company of Wagtail UK, have taken the fight back to the poachers, by introducing specially trained detection dogs to thwart any would be terrorist or smuggler, with nothing more than the promise of a tennis ball!

Wagtail UK Limited and Conservation Dogs are working in partnership with the Gabonese National Park Agency (Agence Nationale des Parcs Nationaux (ANPN), the Ministry of Water and Forests (MINEF) and Wildlife Conservation Society to combat the illegal wildlife trade in Gabon by provisioning ANPN with two fully trained dogs and training three Gabonese handlers, two Gabonese kennel hands and a Program Coordinator to manage the detection dog unit. The dogs are trained to detect key wildlife and plant species that are currently impacted by the illegal trade in Gabon. These include: Ivory, Pangolin Scale, Leopard Skin, Shark fin, and Iboga tree products.

The two dogs provided and trained by Wagtail UK Ltd have proven very successful. The dogs are tasked with detecting shipments of illegal ivory and other scents at airports, shipping ports, and roadway checkpoints. And the dogs are efficient searchers, where it might take hundreds of person-hours to inspect luggage manually, a dog can sniff out illegal items in just seconds.

In their first year of operation, the dog team found a large haul of illegally trafficked wildlife products including: ivory bracelets; shark fins (40kg in one haul); leopard skins; and bags of pangolin scales destined for Asia. They regularly find hidden quantities of bushmeat as well.

The new detection dog unit of the ANPN is one of the components of a government strategy to reduce poaching; the government is working upstream of the problem – catching the poachers and improving park protection, and downstream working politically with demand countries. The dog unit is expected to be particularly important in helping Gabon curtail illegal exportation of ivory from Gabon's ports and airports. Across Central Africa, 76% of the forest elephant population is estimated to have already been lost to poaching, with an estimated decline of 30% in Gabon.

This high elephant poaching pressure, coupled with illegal trade of animal skins and other wildlife and plant products encouraged Gabon to identify innovative ways to improve the detection rate of prohibited products. Because

Dogs Join the Battle Against Poachers of "The White Gold of Jihad"

challenges associated with curbing the illicit trade in wildlife are similar to those of illegal drugs, the National Parks Agency looked to similar methods used by customs and police – dogs.

After undertaking a feasibility study in 2012 to ascertain the effectiveness in using search dogs to detect poached items, a 12 week training programme consisting of scent and environmental training was implemented by Wagtail for the National Parks Agency. Anti-poaching dogs and handlers are trained to focus their searches at pinch points such as the airport, railways and river points.

"This collaboration with Wagtail is an important component in our strategy to deal with the illegal trade in ivory and other wildlife products", said Prof Lee White, head of Gabon's National Parks Agency. "It is helping us to catch the criminals involved in the trade, thereby acting as a deterrent and reducing the pressure on the parks. At the same time we are strengthening patrols to prevent poaching and we are working with partner countries to explore ways to reduce demand."

It is not only detection dogs amazing scenting ability, but their enthusiasm, drive, and ability to work in temperature extremes, covering vast areas, quickly and effectively that has made what was previously an arduous task for human search teams, simpler, faster, highly effective and far less invasive method of searching.

Louise Wilson Director and Head of Training at Conservation Dogs said, "We are delighted to say that this is the first time in the history of Sniffer Dogs that dogs have been trained to detect Ivory, Leopard skin, Pangolin Scales and Iboga Root – and it's our dogs that are doing it." She continued: "The blue print that we have used here working in conjunction with the ANPN has already proved highly successful and we are delighted that Conservation Dogs trained dogs are part of this success." She continued, "Imagine the effect on International Poaching if other countries were to initiate similar programmes."

J&S Franklin launch new range of Archer Portable Vehicle Barriers from Meridian Rapid Defense (MRDG) Group in the United States
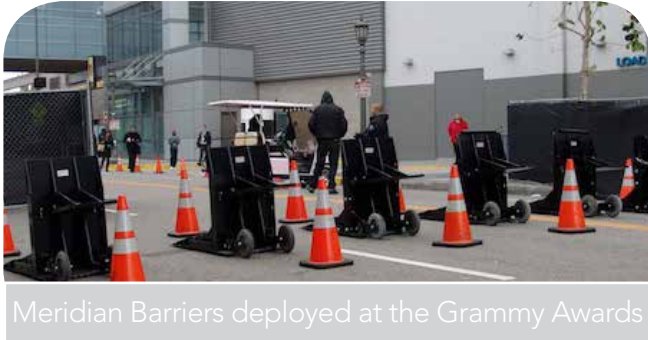
Meridian Barriers deployed at the Grammy Awards

J&S Franklin has added to their extensive protection equipment range by securing distribution rights for Archer Portable Vehicle Barriers in the UK, Europe, Middle East and Africa.

Archer Portable Vehicle Barriers offer a complete range of "Drop and Stop" Modular Barrier Systems that are engineered for speed of deployment, retrieval and relocation making them ideal for Emergency Response Kits (ERK's) and temporary physical security requirements.

They are simple to deploy needing no electrics or hydraulics, and are easy to install with just two people. The Archer Portable Vehicle Barriers are designed for crowd control, conferences, large events and critical infrastructure protection.

Manufactured from dual-wall, high strength bullet-resistant ballistic rated steel, the Archer also provides ballistic and HVM protection.

Jeremy Milton of J&S Franklin said "We're excited to be able to add these unique deployable barriers to the DefenCell range of security equipment."

"The modular systems are fast to deploy without any heavy equipment. They can be moved and reconfigured at a moment's notice. The barriers and systems are rated by the Department of State in the United States and are completely reusable. We are pleased to have J&S Franklin as our distributors as they bring many years of experience with perimeter security products." said Peter D. Whitford, CEO of MRDG.

J&S Franklin demonstrate the new range of Archer Portable Vehicle Barriers on their stand No G95 at CTX.

Archer Beam Gate - A rapidly deployable beam gate that is ideal for high traffic entranceways and perimeter security.

Archer 500 Anti-Vehicle Barrier - A flexible rapid solution for crowd control, traffic flow and vehicle incursions.

Archer 750 Anti-Vehicle Barrier- A modularly designed anti-vehicle barrier that provides rapid deployment and installation on a variety of surfaces for protection of facilities, roadways and personnel.

Archer 1000 Anti-Vehicle Barrier System - A rapidly deployable anti-vehicle barrier system, which is two-person installable without the use of heavy equipment. (Full US Dept of State K4 III Anti-ram certified)

Archer 1200 Anti-Vehicle Barrier - A rapidly deployable unanchored "drop-and-stop" barrier for deployment on roadways and hard surfaces.

For more on this company visit J & S Franklin Ltd

Vidisco Ltd. wins contract for World Cup 2014 security X-ray equipment

Vidisco's BlazeX Protable digital X-ray systems will be used for field security inspections in the upcoming FIFA world cup games in Brazil. Vidisco Ltd. specializes in portable X-ray systems using digital X-ray advanced technologies and its products are used in over 75 countries by security forces (military and police).

The BlazeX system is especially suited for conducting X-ray inspection in any location. Discreet approach is possible, as the system is packed into a case or backpack for convenient mobility. Security personnel are able to set up the system for inspection quickly and efficiently and receive results on the spot as digital X-ray images are available on the laptop screen within minutes. With 3.97lp/mm and 14 bit dynamic range, an image from a BlazeX system can show the security inspector the finest details and help detect security breaches. Security operatives can then take informed decisions quickly in situ. Such decisions can save lives!

"We feel confident that our digital X-ray equipment will be of instrumental help to the Brazilian special security forces for major events in the upcoming world cup games and Olympics and we are honored to support the Brazilian authorities in their efforts to insure that these high profile events will run smoothly. At Vidisco we always strive to provide cutting edge equipment that helps our security clients do their job safely" says Liron Naor, Vidisco's security sales manager.

Vidisco's cutting-edge, lightweight digital X-ray systems are offered for the NDT, Security and Veterinary fields and are used for a great range of inspections.

In the Security field, the portable X-ray systems are used for a variety of applications including border control, customs, bomb detection and disposal, VIP protection, forensics fire investigation and more. In the NDT field, Vidisco's portable digital radiography systems are used for pipe inspections in the oil and gas industry, in the shipyard and aerospace industries it is used for weld inspection and it is even used for examinations of artwork and archeological artifacts.

For more about this company visit Vidisco Ltd.

SOTER RS Body Scanner installed at a detention centre in the Netherlands

The first SOTER Through Body Scanner has been installed at a detention centre for illegal immigrants in Rotterdam, The Netherlands.

The scanners have been installed to address the

concerns of Amnesty International and other human rights groups about the use of strip searches in detention centres. However, searches are necessary for the safety of residents to ensure that weapons are not smuggled into the centres.

Minister for Migration, Fred Teeven who was present for the first operational use of Soter said, "A body scanner improves the strip searching process in a way that is more respectful." He went on to say "We intend to equip all three detention centres with body scanners".

The scanners have been installed with the support of Amnesty International.

The SOTER RS is a low dosage full body scanner which combines ultra low radiation with maximum visibility, for use at airports and prisons. Within seconds the SOTER RS reveals hidden items, such as weapons or narcotics, diamonds, or any stolen or smuggled goods. It doesn't even have to be metal. The SOTER shows a clear difference between human tissue and other materials. Even ingested or camouflaged items will be shown.

Thales delivers Belgian national warning system, BE-ALERT

Joëlle Milquet, Belgium's Minister of the Interior, announced the pilot launch of an emergency population warning and information system. Thales was selected in November 2013 by the Crisis Centre of the Federal Public Service (FPS) Internal Affairs to provide Belgium with this new system called BE-ALERT.

In response to various incidents in Belgium in

recent years, the ability to alert the population rapidly, selectively and effectively is a central component of the Crisis Centre's policy to upgrade and extend its channels of communication.

Thales and programme partner Unified Messaging Systems (UMS) Norway, specialists in early warning and mass notification solutions, designed and implemented the BE-ALERT national warning system, incorporating proprietary technology from UMS, for the Belgian authorities responsible for crisis management at local, provincial and national level.

With its exceptional footprint in Belgium, Thales provided the Crisis Centre with additional support for the rollout of this pilot project, including local assistance, training operators and adapting the system to the customer's exact requirements.

BE-ALERT takes the form of a secure platform that is accessed via the internet.

With BE-ALERT, Belgium is empowering citizens to play a greater role in their own safety and security, providing them with timely and relevant information and guidelines to follow in the event of an emergency.

From 17 March, every citizen has been invited to register with the system online at http://www.be-alert.be so that they can receive alerts directly.

Since the launch of the initial test phase in January, the 11 provincial governors and 33 pilot communities involved have been able to access the platform and application using specific ID credentials and broadcast alerts in the event of a crisis via SMS, fixed and mobile voice, email, fax and/or social networks.

After this test and analysis period, the BE-ALERT system will be rolled out nationally and made available to all governors and local authorities across the country.

"The Crisis Centre sees Thales as a solid and dependable partner to conduct this type of project to protect Belgium's citizens. Thales offered a tailored solution that met all of our requirements."

Jaak Raes, Director General of the Crisis Centre, Belgium

For more on Thales

In a successful few weeks for Smiths it has won two new contracts and gained an important European certification for its Liquid Explosives Detection scanner

Smiths Detection Wins $63M X-Ray Scanner Order From U.S.

Smiths Detection has won a $62.9 million order to supply automatic explosives scanners for carry-on baggage under the Transportation Security Administration (TSA) Advanced Technology 2 (AT-2) contract.

The aTiX (automatic threat identification X-ray) systems, which use multi-view, high resolution imaging to detect explosives and other threats, will be installed this year at several airports across the United States.

Smiths Detection wins air cargo inspection contract in Philippines

The Smiths new CIP-300 Car Inspection Portal will be installed at Manila International Airport's Terminal 3 to scan cargo trolleys as they travel to and from aircraft.

The contract, with Filipino freight handling and warehousing company Cargohaus, will allow the trolleys to be quickly and efficiently checked for hidden weapons, explosives, drugs or other contraband, and stowaways.

The CIP-300, powered by a low-energy X-ray source and using advanced material discrimination software, provides high quality images that reveal detailed contents of freight and baggage. Its compact footprint and simple configuration offer an affordable and adaptable system that can be

used, most typically on light vehicles, in a range of operational areas.

Smiths Detection HI-SCAN 6040-2is gains certification for Liquid Explosives Detection

Smiths Detection HI-SCAN 6040-2is advanced baggage X-ray scanner has been approved by the European Civil Aviation Conference according to EU Standard 2 Type C, under the requirements for Liquid Explosive Detection Systems (LEDS).

HI-SCAN 6040-2is is an advanced dual-view X-ray inspection system for automatic explosives detection at security checkpoints where bags and personal belongings are screened.

HI-SCAN 6040-2is is available in two resolutions as the scanner can be used in different operational areas. The standard resolution is well suited for critical infrastructure applications such as public buildings and hotels while the high resolution version is approved for the detection of liquids in hand luggage at airports in the EU.

See more on Smiths Detection

Thales secured a pre-launch order for its new Cougar Team Radio.

The new radio has been developed to address the specific needs of teams working in critical and demanding situations. With a rugged but lightweight design and a range of advanced features, it supports more effective teamwork.

"Cougar Team Radio is an integrated solution for the security market, providing advanced radio features such as GPS positioning and secure connectivity. It tackles the key challenges faced by radio users such as security, flexibility and simplicity." said Winston Mahaffy, Director for Radio Communication

Products at Thales UK.

Cougar Team Radio offers built-in GPS positioning. When integrated with an android smartphone, the GPS function allows all team members to be tracked and displayed on a real-time map; connect with an operation centre, and this data can be shared across multiple teams.

To extend its range, the radio can connect securely via 3G and WIFI. For operations in areas without a suitable infrastructure – or where the networks are unavailable, saturated or blocked – Cougar Team Radio can extend the range through its unique relay capability, which can quickly create a 'daisy chain' of radios to connect team members.

The ability to connect radios seamlessly together also provides the assurance that all team members are connected and active on the network; each radio that connects to the network is visible to the other team members.

Cougar Team Radio integrates easily with smartphones. Not only does this enhance the capability of the radio network, but it also allows team members to operate more discreetly via standard consumer devices. The radios are also designed with a small form-factor for discreet operation and to minimise the equipment burden on team members.

All communications made through Cougar Team Radio, including those delivered through smartphones and across other networks, are secured with high-level encryption.

Sisley selects Thales to secure its mobiles

Thales has signed a contract with French high-end cosmetics company, Sisley, for deployment of the TEOPAD security solution to protect the company's new fleet of Android-powered business smartphones and mobile devices. The key objective for Sisley is to protect its intellectual property and business data.

The contract calls for several hundred licences to install TEOPAD software on the smartphones and tablets used by Sisley employees.

The Thales solution will protect business applications on Sisley's mobile devices, as well as push mail, contacts and calendar applications.

TEOPAD, meeting the challenges of mobile security

With TEOPAD, Thales offers business customers an innovative security solution for both voice and data on Android smartphones and tablets. TEOPAD effectively meets the security challenges of using these new-generation mobile devices for professional applications requiring solid assurances of confidentiality.

TEOPAD runs on standard mobile devices, creating a dedicated environment for professional communications (text messaging, calendar, contacts, voice, business applications, etc.) with security protection for using, storing, manipulating and transferring sensitive data. TEOPAD is a unique solution with strong authentication, allowing user companies to retain control over their business communications and data.

TEOPAD is used by the French Ministry of Defence as well as enterprise customers including Vinci Facilities.

For more information contact: Thales

Mexico City: Telmex and Thales Selected to Double the Capacity of World's Most Advanced Urban Security System

Thales, in partnership with Telmex, a leading telecommunications provider in Mexico and Latin America, has been selected by Mexico City to integrate a further 7,000 video surveillance cameras to protect citizens as part of the Ciudad Segura project.

Under this new contract, Mexico City will double the capacity of its urban security system, the most advanced of its kind in the world.

Ciudad Segura is a unique urban video surveillance project to improve security across the metropolis and protect citizens from crime, terrorism, attacks on strategic sites, natural disasters and other threats.

The deployment of a further 7,000 cameras, as well as panic buttons, loudspeakers and law enforcement systems, will strengthen the existing capability, which includes over 8,000 cameras installed under the initial contract signed in 2009.

In a major emergency situation or during large-scale events, police can deploy specially equipped mobile command centres that maintain contact with the central command centre (C4I). The system can also locate or identify vehicles in the city's main streets thanks to its ability to read number plates.

Used to monitor crowd density and movements, the system can also provide comprehensive security coverage at major events, in particular during the annual pilgrimage to the Basilica de Guadalupe, which attracts more than 6 million people and is the second-largest pilgrimage in the Christian world.

Hiddentec's E-Tracker Highly Commended at Security Innovation Award 2014

Named in commemoration of Hidden Technology's granting of the Queen's Award for Enterprise: International Trade 2012; the E-Tracker was unveiled to the world in March 2013.

One year later, the E-Tracker has been Highly

Commended at the Security Innovation Award.

Now in its 11th year, this prestigious Award recognises not only the innovative equipment and technology produced by UK companies, but equally importantly, the partnership between people on the ground and those prepared to put the time and skill behind the development and production of new and ground breaking technology.

Elton Smith, CEO of Hidden Technology, said: "we are extremely proud that our in-house Research & Development and engineering expertise has been recognised in this way. Hidden Technology is also very proud and grateful for the opportunity to have worked together with several of our front line customers in producing this piece of equipment and getting it to the market."

For more on Hidden Technology Systems International Ltd

Sonardyne maritime security delivers largest Sentinel order

Sonardyne International Ltd.'s maritime security division has delivered its largest ever order of Sentinel Intruder Detection Sonar systems to an undisclosed country in Asia. The sonars will be deployed to protect strategically important naval bases across the country and will be configured to provide long range, wide area detection, tracking and classification of underwater threats. The system uses Sonardyne's latest tracking software that combines data from multiple sonars to produce a single picture of the underwater environment, providing wide area situational awareness to operators and commanders.

Sentinel is the world's most widely deployed diver detection sonar, developed to meet the underwater security requirements of private, commercial, government and naval end users. The system reliably detects, tracks and classifies divers and small underwater vehicles approaching a protected asset. Whether it is protecting a critical infrastructure facility, offshore platform, sea port or private yacht at anchor, Sentinel's autonomous monitoring capabilities, long range detection and proven false alarm rates provide a rapidly deployable 360° underwater security solution for any application.

Lockheed Martin to Acquire Industrial Defender

Lockheed Martin has entered into a definitive agreement to acquire Industrial Defender, a leading provider of cyber security solutions for control systems in the oil and gas, utility and chemical industries.

"Industrial Defender's expertise in cyber security for critical infrastructure is a natural extension of our commercial cyber security business," said Marillyn Hewson, Lockheed Martin Chairman, President and CEO. "Their experience in addressing cyber threats to industrial control systems complements our information technology cyber security expertise and strengthens the value we deliver to our customers."

Industrial Defender is a privately held company headquartered in Foxborough, Mass., with more than 130 employees in three facilities. The company's solutions, including Industrial Defender Automation Systems Manager™, help protect and manage critical infrastructure by reducing cyber risks, easing regulatory compliance and enhancing the efficiency of customers' control environments.

"Lockheed Martin is a leader in cyber technology and IT security," said Industrial Defender CEO Brian M. Ahern. "We share a common perspective on the importance of protecting global critical infrastructure from an increasingly hostile threat landscape. The combined capabilities of Industrial Defender and Lockheed Martin will enable us to offer a comprehensive suite of technology and services designed to face modern day threats and business challenges to both enterprise information

and operational technologies. Joining forces is a natural fit for Industrial Defender and our growth plans."

Industrial Defender's suite of integrated products and services is dedicated to assuring the availability, reliability and security of critical infrastructure, such as electric power grids, chemical facilities, and oil and gas pipelines. More than 400 companies in 25 countries rely on Industrial Defender's solutions to monitor, manage and protect their operations.

Gemalto has launched a new integrated Border and Visa Management solution

Gemalto has introduced the Coesys Border and Visa Management solution to meet the combined needs of securing borders and simplifying travel procedures. The end-to-end solution integrates high-availability service platforms, secure software and on-site services to significantly reduce waiting times through the use of automated document verification and border control at land, sea and airport check points. Gemalto's visa and border management technology enables government authorities to implement an electronically connected system for easy deployment of immigration policies.

This new, entirely computerized system enhances security and provides a more efficient set of tools to monitor border entries and exits. It also delivers higher rates of detection and prevention through official international databases to check if the travel document has been lost or stolen. Coesys Border and Visa Management can easily incorporate automated e-gates at border immigration check points. These highly secure, two-stage traveler verification systems first verify that the e-passport is authentic and then performs facial or fingerprint recognition to match the holder to the electronic data securely stored on the e-passport.

In addition to a dedicated platform for border control, Gemalto's portfolio includes consultancy, solution design, system integration and full support for the transition from legacy systems to integrated border management infrastructures. Coesys Border & Visa Management leverages Gemalto's unique global footprint and long-standing trusted relationships with government and authorities worldwide, acquired through more than 80 successful deployments in the public sector.

iOmniscient's iQ-Series has been selected to protect one of the world's most advanced Gold refining facilities

MMTC-PAMP India is among the world's most advanced gold and silver refining and minting facilities. With an installed capacity to refine 100t of gold and 600t of silver per annum and mint 2.5 million pieces in gold or silver, it is one of the most modern precious metals refining and manufacturing plants.

As they process large quantities of precious metals, there is always a danger of theft in and around the MMTC-PAMP facility. Being an advanced gold and silver refining facility, MMTC-PAMP needed an equally advanced and intelligent solution to protect its inventory of precious metals.

MMTC-PAMP selected iOmniscient to protect its refining facility and valuable assets. Mr. Vipin Joshi of MMTC-PAMP said, "We have been using iOmniscient's system for several years and we rely on it for our facility's security". The system continues to be used because it works well. In particular, it is armed with iOmniscient's artificial intelligence based Nuisance Alarm Minimization System (NAMS) to help minimize false alarms while maintaining detection accuracy.

StratoBus project offers real potential for extended borders, maritime surveillance and other security applications

StratoBus is a long endurance high altitude

autonomous balloon that is said to offer the advantages of satellite without the expensive business of launching a satellite into space.

It's a new concept for an autonomous airship, operating at an altitude of about 20 kilometers in a fixed position. This is in the lower reaches of the stratosphere, but well above air traffic and jet streams. The StratoBus platform will require continuous significant energy input to offset the wind, so will have two electric motors that will automatically adjust their output power depending on wind speed (up to 90 km/h).

StratoBus will be able to carry payloads up to 200 kg. The airship itself will measure 70 to 100 meters long and 20 to 30 meters in diameter. It will feature a number of technological innovations, in particular to make sure it captures the sun's rays in all seasons: a power generation system (coupling the solar panels to a solar power amplification system patented by Thales), an ultra-light reversible fuel cell for energy storage, etc.

As well as border and maritime surveillance, StratoBus has the potential for disaster relief operations, emergency communications as well as a whole host of civil and commercial applications.

The StratoBus project is led by Thales Alenia Space, along with partners, Zodiac Marine and CEA-Liten.

The first prototype should be rolled out within the next five years.

Armed Forces of Malta acquire a second AW139 Helicopter to conduct mainly maritime border control missions

AgustaWestland announced that the Armed Forces of

Malta has taken up the option for a second AW139 intermediate twin engine helicopter. The helicopter will mainly be used to conduct maritime border control missions. The delivery of the second AW139 is scheduled for June 2015, while the first helicopter will be delivered in June 2014.

The order is part of the ongoing plan to strengthen the capabilities of the Armed Forces of Malta, who benefit from the European Borders Fund and Internal Security Fund Programmes. The AW139 is equipped with a state-of-the-art equipment package for maritime patrol and SAR missions and includes a high-definition FLIR system, search/weather radar, cabin mission console, naval transponder, search light, satellite communication system, a 4-axis autopilot with SAR modes, external rescue hoist and a four bag floatation system.

Two powerful PT6-67A turboshaft engines with FADEC deliver high power margins for maximum safety.

For more about this company visit AgustaWestland

Kelvin Hughes has partnered with Cambridge Pixel to speed their CxEye™ Security Display Solution to market

Kelvin Hughes a navigation and surveillance solutions manufacturer and the developer of the SharpEye™ solid state X-band radar, has partnered with Cambridge Pixel to speed to market of its CxEye™ integrated multi-sensor

integration and surveillance control display solution.

Engineers within Kelvin Hughes Surveillance needed software components for its new display for processing and display of radar and video in multi-sensor security applications. With pressure on

time and budget, the company turned to sensor processing and display specialist Cambridge Pixel for a solution from its hardware-agnostic SPx range of software modules.

Kelvin Hughes selected modules for radar acquisition, display, multi-hypothesis target tracking, fusion, camera control, map display and control functions. These were integrated into an easy-to-use, touch-screen-capable display that combines sensor data from multiple SharpEye™ radars, along with geo-referenced maps and multiple cameras. Radar tracks are displayed in an easy-to-understand format to assist the user to evaluate and coordinate a response through a 'detect, recognise, identify and then classify' methodology.

CxEye™ integrates multiple sensors, such as radars and cameras, into a single, easy-to-use touch-screen-capable display package. It is targeted at security and surveillance applications including border/perimeter security and critical infrastructure protection.

First SOTER RS Body Scanner have been sold to US prisons

After extensive trials the first two SOTER Through Body Scanners have been purchased and installed in two separate prisons in the United States.

The SOTER RS which has undergone extensive trials over a prolonged period in a number of custodial establishments in the US have been purchased and are now operational in one prison in the River-bend high security state prison in Nashville and another in New Mexico.

The use of Through Body Scanners in prisons is regarded as the most effective way of countering the smuggling of items such as drugs, mobile phones, weapons and other contraband material without subjecting inmates and visitors to intrusive body searchers.

The SOTER RS is a low dosage full body scanner which combines ultra low radiation with maximum visibility, for use at airports and prisons. Within seconds the SOTER RS reveals hidden items, such as weapons or narcotics, diamonds, or any stolen or smuggled goods. It doesn't even have to be metal. The SOTER shows a clear difference between human tissue and other materials. Even ingested or camouflaged items will be shown.

For more about this company visit SOTER RS

Kratos Receives $2.8 Million Mass Transportation Security Contract Award

Follow-On Order for Critical Infrastructure Security System Deployment for a Major U.S. Metropolitan Area Increases Total Program Value to $30 Million

Kratos Defense & Security Solutions, has announced that its Public Safety & Security (PSS) division recently received a $2.8 million change order and scope increase to one of its existing critical infrastructure security system contracts. Under the contract modification award, Kratos will provide additional equipment and services related to an electronic security system deployment for a mass transportation authority in a major city and metropolitan area in the United States. This follow-on order and expansion of the security system deployment requirement increases PSS's total program value with this customer to over $30 million.

critical infrastructure
PROTECTION AND RESILIENCE EUROPE

incorporating Critical Information Infrastructure Protection

4th-5th March 2015

The Hague, Netherlands
www.cipre-expo.com

Hosted by:

Convene; Converse; Collaborate

CALL FOR PAPERS
Abstract submittal deadline - 30th June 2014

The ever changing nature of threats, whether natural through climate change, or man-made through terrorism activities, either physical or cyber attacks, means the need to continually review and update policies, practices and technologies to meet these growing demands.

Critical Infrastructure Protection and Resilience Europe brings together leading stakeholders from industry, operators, agencies and governments to debate and collaborate on securing Europe's critical infrastructure.

For further details and to submit your abstract visit
www.cipre-expo.com

How to Exhibit

To discuss exhibiting and sponsorship opportunities and your involvement with Critical Infrastructure Protection & Resilience Europe please contact:

Tony Kingham - Exhibit Sales Director
T: +44 (0) 208 144 5934
M: +44 (0)7827 297465
E: tony.kingham@worldsecurity-index.com

Paul Gloc - Exhibit Sales Manager
T: +44 (0) 7786 270820
E: paulg@torchmarketing.co.uk

Gain access to leading decision makers from corporate and government establishments tasked with Critical Infrastructure Protection and Resilience.

Supporting Organisations:

HSD The Hague Security Delta

NS&RC

BORDERPOL

ASSOCIATION OF RISK AND CRISIS COMMUNICATION

ISIO - International Security Industry Organisation

Media Partners:

World Security-index.com

World Security Report

An Interview with Robert Scott, ARES Security's Vice President of Business Development.

Robert Scott

Vulnerability assessments are a costly exercise that can be mandated by senior management, government bodies, industry regulators, or shareholders at any time. For security managers they are often seen as a time consuming activity that distracts staff from their actual job of protecting critical assets. They are by nature a subjective assessment that test only a handful of scenarios and provide little actionable information. For too many security practitioners therefore, vulnerability assessments are believed to be futile exercises and are not the basis for security upgrades or operational changes.

Now imagine a continuous, quantitative risk assessment that can test thousands of scenarios varying in threats, adversaries, responses and outcomes. Furthermore, the assessment is carried out

in a simulated environment of your facility without distracting your team from their important duties. Imagine an assessment that can test your existing facility security and operations as well as alternative security designs before costly expenditures. Finally, envision the ability to analyze and visualize the results in a way that allows you to make risk informed decisions and communicate return on investment to your management team and regulators.

Is this possible? ARES Security Corporation believes it is and has designed their risk assessment software solution, AVERT, to do

just that. "With AVERT, we are challenging the security market to evolve from the traditional vulnerability assessments to a quantitative risk assessment. Our solution is easier to conduct, encompasses a range of threat problems, can be performed more frequently and provides actionable information for risk informed decisions", states Robert Scott, ARES Security's Vice President of Business Development.

How it works

"We utilize computer based modelling and simulation technology to model your specific facility and run simulations to visualize risk, quantify security system effectiveness and optimize your security systems and budgets", says Robert Scott. "Modeling and simulation is not new technology, it has been used for years by the military and gamers alike. However, the use of M&S to evaluate and manage threats to critical infrastructure and key resources is new."

First, the AVERT solution builds
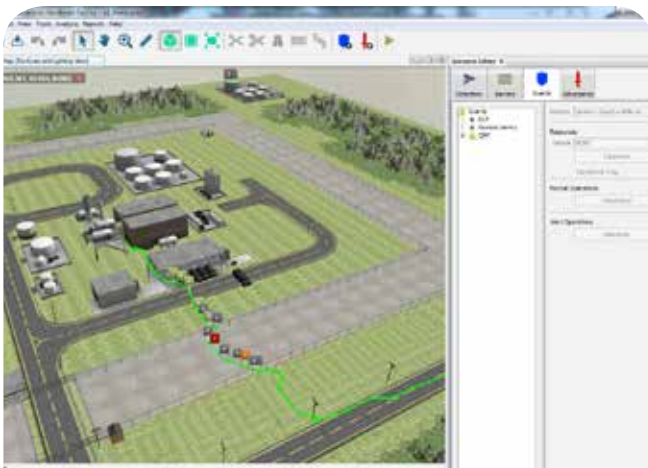
AE SIM Result
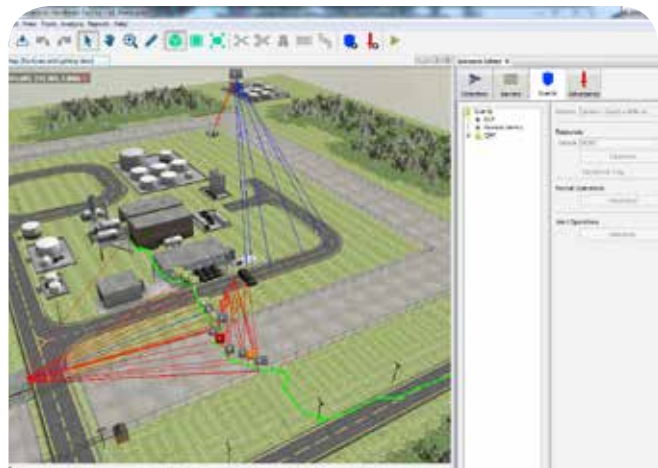
AE SIM Result with shot traces

a 3D model of the site based on satellite imagery or imported GIS and CAD data. The model can include the interior and exterior features of structures, access points and entrances, natural features,

"we knew that convincing people to adopt such a new approach would be hard"

and the placement of both active and passive barriers and detection tools. Then the AVERT model is used to run simulations on a variety of risks, from breach teams to insiders and weather hazards.

For man-made threats, such as terroristic events, AVERT measures the strengths and weaknesses of a site's security by identifying the most effective paths that adversaries would use to penetrate the site's defenses and reach a user-specified objective. AVERT uses Monte Carlo simulation to attempt to defeat the security systems of a site model. Parameters can easily be changed within the model to address a wide range of security system configurations, targets and adversary objectives. This variance creates a high degree of real-world fidelity by covering a large number of possible tactics and strategies for adversaries, generally aimed at finding the most vulnerable parts of the security system.

Once the vulnerabilities and pathways have been identified and analyzed, the user can change and test new modeled defenses

and procedures to optimize their security posture. In addition to optimizing a facilities' security, AVERT can optimize security budgets by allowing the user to test and choose which security system, or combination of systems, were proven most effective and compare them to the cost. This allows for cost-benefit analysis before expensive changes are made to the security of the site.

But does it work?

"We knew that convincing people to adopt such a new approach would be hard, so have we spent a lot of time working with experts to validate our solution", explains Robert Scott.

To that end, ARES Security submitted AVERT to the US Departments of Energy and Department of Defense for rigorous testing and validation. These organizations have verified the effectiveness of the solution and have chosen the system to secure some of their most critical assets. In addition, the AVERT software earned the United States Department of Homeland Security (DHS) SAFETY Act designation and certification. The certification provides government issued liability coverage and protection for future acts of terrorism against the United States.

Non-government organizations have also reviewed AVERT's risk assessment approach. In 2012, the United Kingdom's National Nuclear Laboratory and ARES Security signed a collaboration agreement. As the first customer outside of the United States, NNL worked with ARES to test and develop the AVERT product to simulate potential assaults on NNL's own Central Laboratory facility on the Sellafield site in Cumbria. In 2013, NNL published a position paper entitled, "A New Approach for Assessing Operational Nuclear Security Performance." that reviewed the findings of their AVERT pilot. The conclusion of the paper stated that the computer-based quantitative modeling and simulation approach could represent a "sea-change" in the way UK nuclear security vulnerability is assessed for compliance in the future. Today, NNL and ARES work together to offer the AVERT solution and domain expertise to nuclear and other key critical infrastructure sectors where defense against terrorist or similar threats is a major consideration.

"Over the past year, we have implemented the solution to several commercial organizations that provide and protect critical resources" says Robert Scott, "We are looking forward to adding their case study results to our list of findings to prove the AVERT story."
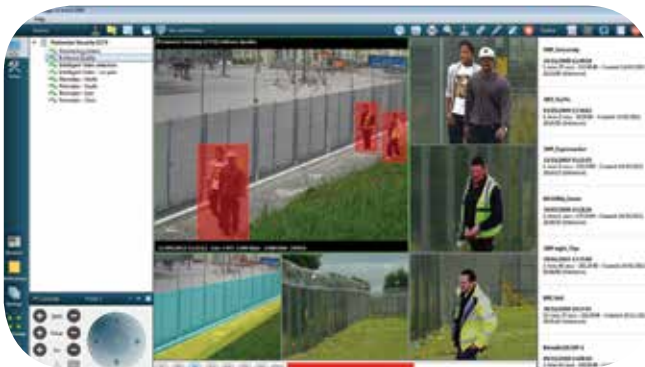
The smartest Video Content Analysis (VCA) system is the latest addition to already award-winning PAS 68 temporary fencing on show at Counter Terror Expo (CTX) 2014.

The solutions developed by Zaun, Hardstaff Barriers and Highway Care will be showcased at this year's CTX.

The three partners have integrated state-of-the-art electronics with the ultra high security woven mesh ArmaWeave fence, and a range of temporary solutions – Rapid Deployable System (RDS), MultiFence and SecureGuard – PAS 68 enhancements, blockers and bollards.

They have incorporated the latest VCA system using high-performance Pan Tilt and Zoom (PTZ) cameras from video intelligence experts EyeLynx into their RDS that was a double award winner at last year's Counter Terror Expo Excellence Awards.

RDS saves up to 90% of police time and first proved its rapid-install-with-high-security credentials during a whistle-stop tour around the three main UK political parties' autumn conferences in 2012 and at the G8 summit in Northern Ireland in May 2013.

After the Labour conference, Inspector Steve Worth of Greater Manchester Police said: "RDS is now firmly the preferred product for the delivery of security operations for party political conferences we police, fully supported by The Home Office."

EyeLynx's Pharos system is the only true rapid deployment High Definition (HD) surveillance system on the market with Edge Recording Cluster ERCTM capability to incorporate an intelligent recorder, management software and wireless communications all in the same unit.

It uses the SharpView VCA recording engine, which can accommodate multiple slave PTZ cameras of any make connected in to the master. Indeed, the number of 'slaves' is limited only by power and bandwidth requirements.

Cameras record HD 24/7 and whenever the perimeter is compromised or a potential intruder approaches too close to the fence, Pharos will send a snapshot alert to the control centre for visual verification – or even to assigned personal mobile devices, such as the police chief or nearest constable to the breach.

Developers have embedded the cabling into the fence posts and created an integrated power cabinet in the post base.

Only the master unit needs a SIM card, which beams the video intelligence to a workstation, into which anyone authorised can dial and view live footage, or rewind and replay from any of the cameras.

PAS 68 MultiFence was developed to resist attack by 7.5 tonne vehicles driven straight at it at 40mph especially for the London 2012 Olympics.

RICOH will be introducing its new enhanced binoculars with PAIR-Technology (PAIR = Pentax Atmospheric Interference Reduction) at this year's CTX

This Digital Binoculars combines reduction of interferences such as fog, rain, sand or smoke with image stabilization and night vision.

Additionally, it has water and dust proofing to allow accurate viewing of a target even in harsh environments. Its functional design allows easy usage with gloves and it is possible to record the users view to an SD card as either a full motion picture or still image. It can display the latitude and longitude of the operator's location using its integral GPS function.

The main use of RICOH ENHANCED BINOCULARS is at borders, ports and harbours, dams, marine use, mountain based security operations, disaster prevention, fire-fighting and police investigations, etc.

Digital Barriers will launch SafeZone-edge, its edge-embedded automated intrusion detection system at CTX.

SafeZone-edge avoids the cost and complexity of server-based video analytics systems by undertaking the video processing on the camera. Crucially, while extremely simple to install and operate SafeZone-edge was certified as an UK Home Office i-LIDS® approved primary detection system for operational alert use in sterile zone monitoring applications.

The solution is designed for securing perimeters and monitoring sterile zones across critical infrastructure locations, oil and gas facilities, industrial complexes, transit locations and other high-security or sensitive sites.

Dave Oliver, Director UK Enterprise Account Sales at

Digital Barriers, said: "In contrast to other video analytics packages, SafeZone-edge has been designed around the installer and operator. This has resulted in an intuitive and simple setup procedure with a unique function to both automatically calibrate the system and define a default intrusion scenario in one step. User-defined operating modes support additional perimeter security and sterile zone monitoring scenarios"

With its sophisticated analytical engine, SafeZone-edge is able to detect reliably and with very low nuisance alarm rates in even the most difficult conditions – including adverse weather and variable illumination. Designed for use on IP video devices, SafeZone-edge is launching on the Axis platform.

Daren Lang, Manager - Business Development, Northern Europe from Axis said: "SafeZone-edge is a very exciting solution and a class-leading intrusion detection package that provides Axis camera users with a compelling argument for embedding video analytics at the edge of the network. This is a great working example of how the Axis Camera Application Platform is evolving. In this case Digital Barriers are using Axis cameras as the platform to deliver a solution that is not only very cost effective but also provides levels of accuracy and robustness that are usually only associated with server-based applications"

SCHOTT introduces the world's first specialty glass products to successfully withstand consecutive fire and ballistic attacks

SCHOTT introduces the world's first specialty glass products to successfully withstand consecutive fire and ballistic attacks at Counter Terror Expo. SCHOTT is to exhibit five glass panels of its PYRANOVA® secure laminates, showing varying degrees of attack, including bullet and fire separately and simultaneously.

The threat of wilful attack from both external forces and fire can be very real for a number of

organisations, and therefore safeguarding employees, visitors and building contents of embassies, consulates and government buildings is paramount. "SCHOTT is leading the way in providing a glass laminate that can not only stop penetration by bullet, but then go on to also protect from fire directly afterwards or vice versa," explains Martin Brown, Sales Manager for SCHOTT UK.

To meet these unique demands, SCHOTT developed the highly effective, yet compact, multifunctional laminates. This type of complex structure is necessary in order to ensure that SCHOTT's new products are able to resist multiple simultaneous attacks, while offering a high level of transparency and thermal resistance.

To prove the effectiveness of its products, SCHOTT will display a series of five PYRANOVA® secure laminates. The 34 mm thick samples will be 1500 mm x 300 mm, weighing 78.5 kg/m². The glass laminates are bullet resistant according to EN1063: BR2NS and, even after having been shot at, can still fulfil the fire resistance category EI30. Both during and after a Molotov cocktail attack, SCHOTT's product is bullet resistant. Five scenarios are shown: original, shot at, burnt, shot at and burnt, burnt and shot at: "These demonstration laminates prove that the performance of our material fulfils several multi attack criteria and enables visitors to see the results close up," says Martin Brown.

Axis Communications will be demonstrating how video surveillance helps to protect people, property and assets as well as optimise processes and improve efficiency at CTX

Atul Rajput, regional director, northern Europe, Axis Communications, said: "We hope to demonstrate that regardless of what other technologies are being used, the network camera should always be the starting point when planning and designing the surveillance and protection of critical infrastructure."

"Network video offers countless possibilities for infrastructure operators to integrate security, safety and production control in one system; a system that allows supervision of all processes, video surveillance, intrusion protection and access control to remote sites, several locations and, if needed, into one centrally-located control room and even on a smartphone!

"The secret to success in the world of video surveillance is to create an environment where everyone can perform at their best while feeling safe and secure.

Axis Communications will showcase its latest network video innovations.

HGH introduces Spynel-U, a 360-degree uncooled thermal and visible imager

Automatic intrusion detection with Spynel-U camera and Cyclope software

HGH Infrared Systems will showcase its new Spynel-U at Counter Terror Expo 2014. This new intrusion detection and tracking system is the latest in the Spynel series, high resolution panoramic sensors for 24/7 Wide Area Surveillance.

Spynel-U is the uncooled infrared camera version of the multi-awarded Spynel-C. Spynel thermal cameras provide permanent situational awareness, acquiring near real-time images of the surroundings, over 360 degrees, night&day. With Cyclope software, all threats are automatically and simultaneously detected and tracked. Spynel is

a unique surveillance system, combining ultra-wide field-of-view with high image resolution and quality. An unlimited number of targets are pinpointed on multiple zoom windows, events can be tagged and images stored for forensic use.

Spynel-U benefits from many recent advances in uncooled infrared detector technologies, but also from HGH's long expertise in panoramic cameras for security. The system can detect a human at up to 2.5km, in total darkness, or through smoke or inclement weather conditions. As it does not use cryogenic cooling, it is a cost-effective surveillance solution, requiring no maintenance, with significant cut in weight and power consumption, but without any compromise to the image quality. The sensor captures the environment with a resolution up to 9Mpix. Each scene's details will be analyzed by Cyclope, the high performance motion detection software, for threat detection, recognition, and even identification, with the integrated high-resolution 360-degree visible camera. Spynel-U is designed for commercial applications such as airport, port or critical infrastructure perimeter monitoring.

STREIT Group exhibits the latest in its range of armored vehicles using 3rd party technologies at CTX

As the world becomes ever more dangerous with civil disputes, border threat levels and GEO-Political tensions rising; security companies, governments and police forces are demanding ever increased sophistication and value from armoured vehicle manufacturers.

Streit Group is planning to showcase an expanded range of up-armoured and armoured vehicles for personal protection, specialized transport and patrol at this year's Counter Terror Expo. Specifically, they will be presenting a range of APC's – Scorpion, Puma and Spartan along with Streit vehicles based on Mercedes S550, ML63 and GL550.

Streit is advancing through the addition of 3rd party technology to become not just a vehicle manufacturer but a bespoke provider of vehicle based technology

and systems Integration services.

The major focus for Streit Group, during Counter Terror Expo, will be the up-armoured solutions it is targeting at the private security sector and government agencies which are intending to ensure the safety of their VIPs and personnel whilst on the move, especially when faced with a heightened terrorist threat.

At CTX Streit will also be holding a presentation to announce the latest additions to its armored product range.

CSECO have launched a new interdiction technology: The Perfect Vision® V20 Videoscope

Campbell/Harris Security Equipment Company (CSECO) have launched the Perfect Vision® V20 Videoscope Inspection System. The Perfect Vision® V20 Videoscope is their latest technology in visual inspections and serves as an alternative to fiberscopes, a tool classically used by government and law enforcement officers for inspecting vehicle fuel tanks and hard-to-reach areas for hidden contraband including narcotics, illegal currency, and weapons.

The Perfect Vision® V20 Videoscope provides all of the features users have come to expect from fiberscopes – long, thin (2m x 6mm) flexible Tungsten armored shaft, 2-way articulation,

powerful built-in LED lighting, and long-life rechargeable batteries. But, it also resolves many of the challenges officers have about their fiberscopes by providing some new features. A large 5" color LCD screen has been designed into the scope to limit the eye fatigue that officer's experience when viewing in the small eyepiece of most fiberscopes. Another advantage is the large LCD display allows for "heads-up viewing" so officers can remain visually aware of their surroundings while inspecting – a major safety concern expressed by roadside interdiction officers. The push-button digital photo/video capture with 3.5x digital zoom means no more cumbersome camera attachments are needed to capture digital evidence which is very useful in the justice system. The video chip provides higher-resolution than fiberscopes, offering a clearer view, brighter colors, and more detailed images often allowing for confirmation of the contraband during the inspection.

Another advantage is the absence of tiny glass fiber optics that are easily broken and result in frequent and costly repairs.

The most important feature to CSECO, however was safety. "We partnered with Underwriters Laboratory (UL), the leading authority on product safety, to certify that the Perfect Vision® V20 Videoscope is safe for use in hazardous locations like fuel tanks, because we want our users confident they can use the videoscope as they always have their fiberscopes," said CSECO's president Tony Harris.

Thermoteknix are introducing new GiG-E connectivity for their long wave thermal imaging cameras

Thermoteknix are introducing new GiG-E connectivity for their MicroCAM™ 2 un-cooled long wave thermal imaging cameras combined with advanced digital processing from Vision4ce GRIP PCs.

"Using the GiG-E digital transport allows us to connect multiple cameras at up-to 100m cable lengths without any loss of fidelity sometimes associated with compressed video standards. This ensures that we deliver the best possible image data for the Vision4ce

software to process." said Dr Richard Salisbury, Managing Director of Thermoteknix.

"Thermal imaging combined with high quality and simple cabling associated with GiG-E can significantly improve all form of image processing in security and surveillance applications. For example the creation of panoramic scenes with automatic detection and recognition used for situational awareness and threat assessment is an important feature of modern military vehicles and naval shipping." said Gordon Cain, Vision4ce Managing Director.

Thermoteknix manufacture a range of un-cooled thermal imaging systems including both MicroCAM™ OEM cores and vertical products for defence and security applications. The latest MicroCAM 2 devices offer extremely rugged shutterless XTI Technology® combined with market leading low-power consumption.

Vision4ce specializes in the provision of electro-optical (EO) system management hardware, software and integration services for use in harsh environments.

Their rugged GRIP PCs & DVRs utilize the latest Intel mobile processors, and their PCs can include powerful NVIDIA GPUs enabling high performance GPGPU processing.

Complementing the rugged hardware is GRIP-VMS, a modular video management software suite. GRIP-VMS features DART an embedded software video tracker that is able to offer robust video detection and tracking of multiple objects. DART is also incorporated into the new CHARM compact embedded hardware video tracker based on a multicore ARM processor.

2014/15 Events Calendar

April 2014
29-30
Counter Terror Expo, UK
www.counterterrorexpo.com

29-1 May
InfoSecurity Europe, UK
www.infosec.co.uk

May 2014
7-9
Asian Securitex, Hong Kong
www.asiansecuritex.com

17-19
Security Technology Live, UK
www.securitytechnologylive.com

19-21
Homeland Security Summit Middle East
www.homelandsecurityme.com

June 2014
16-18
Security Document World, UK
www.sdw2014.com

16-20
Eurosatory, France
www.eurosatory.com

17-19
IFSEC, UK
www.infosec.co.uk

July 2014
14-20
Farnborough Airshow, UK
www.farnborough.com

22-23
RSA Conference Asia Pacific & Japan, Singapore
www.rsaconference.com/events/ap14

August 2014
27-29
Safety & Security Asia, Singapore
www.safetysecurityasia.com.sg

September 2014
24-25
Emergency Services Show, UK
www.emergencyuk.com

To have your event listed please email details to the editor tony.kingham@worldsecurity-index.com

29-2 Oct
ASIS International, USA
www.asisonline.org

November 2014
4-6
14th Annual AAAE/TSA/DHS Aviation Security Summit, USA
www.aaae.org

9-12
3rd Homeland Security Show 2014, USA

December 2014
9-11
3rd World BORDERPOL Congress, Hungary
www.world-borderpol-congress.com

January 2015
18-20
Intersec Middle East, Dubai
www.intersecexpo.com

March 2015
4-5
Critical Infrastructure Protection & Resilience Europe, Netherlands
www.cipre-expo.com

4-5
Personnel Protection & Safety Europe, Netherlands
www.personnel-protection.com