

# MILITARY SYSTEMS

TECHNOLOGY

## OCTAGON DEFENCE SYSTEMS

Protective Military Wall Defence Structures

## THE O'GARA GROUP

Sensor Systems Division

## TRUVELO MANUFACTURERS

Barrel and Rifle Manufacturing

PLUS...

BREAKING NEWS FROM...

FUTURE ISR  
PURSUIT-DYNAMICS  
SECURING ASIA 2012  
SURVITEC  
L-3 WESCAM





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## Welcome to this edition of the Military Systems & Technology newsletter.

As an established web portal for the International Defence & Aerospace Industry, we strive to provide a comprehensive and detailed listing of Military Equipment Suppliers, Products and Services. This newsletter is designed to keep you up-to-date with latest news and events within the Defence Industry's Governing Bodies, Organisations and Companies.

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Octagon Defence Systems  
Protective Military Wall  
Defence Structures

# WHEN DEFENCE IS SO CRUCIAL THAT LIVES DEPEND ON IT, QUALITY ENGINEERING BECOMES PARAMOUNT.

When defence is so crucial that lives depend on it, quality engineering becomes paramount. You must insist on a premium product that provides not only a durable solution, but one that is able to withstand whatever it is subjected to. With a passion for innovative ideas, the engineers at Octagon Defence have designed a series of defence blocks that protect military personnel and civilians against some of the harshest conditions on the planet.

The Octagon Defence Structure, when interlocked, provides a protective wall or shelter which can be deployed during military and humanitarian operations. The defence blocks come in 3 different grades: The BDS1 for ballistic impact reduction, The FDS 2 for flood impact and the EDS3 for protection against the elements. Each Block is manufactured differently to ensure it withstands what it is being subjected to.

## Ballistic Defence System Blocks - BDS 1

Due to the binding process when producing the BDS1 (ballistic defence system), the finished block has an elasticity

which removes the sting of a bullet without chipping. This makes it extremely suitable for live fire situations. The Block's primary advantage, over other force protection, is its ability to be used countless times. Made from non biodegradable material the blocks will far outlast any other ballistic defence structure on the market today. The Blocks can be joined together either single or double skinned, providing an impenetrable wall which can be tailored to specific threats. Production of the blocks is led by a team of experienced engineers and innovators who work closely together to ensure you get the very finest quality product for the job in hand.

### BDS 1 Defence Blocks

BDS1 Defence Blocks are made with a unique polymer binder which has been buffed 100% the blocks have more elasticity than other ballistic blocks on the market today which means added longevity. They also have a unique patented interlocking system avoiding the use of messy glues to hold them in place. This means the rapid construction of an effective defensive wall with minimal manpower and resources is now possible.

We know that live ranges require unrivalled expertise together with a durable product. Whether it is live fire or simulation shoot houses, most situations require a product over 12" thick of bound rubber to encapsulate a live bullet. At the end of the product's shelf-life a range is often faced with the cost of disposing of any bullet - impregnated items and this can be costly. With this in mind, the BDS 1 block is designed for easy removal, allowing specific areas to be targeted and renewed. At the end of the blocks life, Octagon takes them back and puts them through a recycling process where they are turned into new ones. For further technical details please see the individual BDS1 Specification Sheet.

## Military Flood Defence System

The geographical scope of floods and the physical and economic issues connected with them are difficult to predict. What is certain is that the damage they cause is on a vast scale, and there are no signs of this changing. The human effect can be devastating.



Not only are electricity, water supply and communications affected, but lives can be lost.

About two thirds of flooding includes surface water flooding - often after intense heavy rainfall overwhelms drainage systems. The correct and timely deployment of a substantial defence system is crucial if properties and lives are to be saved in the future.

The Octagon Flood Defence System creates a substantial wall that can be deployed with less manpower than



conventional sand bags, and at a fraction of the cost of plastic barriers on the market today. A flood defence wall is primarily a vertical artificial barrier designed to temporarily contain the waters of a river or waterway which may rise to unusual levels during seasonal or extreme weather events.

Flood walls are mainly used where space is scarce, such as where building levees or dikes would interfere with existing buildings or commercial exploitation of embankments. This makes the FDS 2 (Flood Defence System) a suitable solution because it can be stacked close by, deployed quickly and efficiently, and is virtually indestructible.

## FDS 2 Flood Defence System Blocks

The FDS 2 flood blocks have a polymer mix which makes them denser than water, providing a perfect solution for most flood situations. The blocks focus around providing commercially driven solutions to flood problems in tidal, pluvial and combined flooding scenarios. This helps to: optimise risk management and investment strategies in urbanised, farming and commercial areas at risk; work alongside outside agencies to understand the frequency, magnitude and potential of flooding sites; strategically place FDS 2 blocks, reducing the risk of loss often experienced during flooding.

For further technical details please see the individual FDS 2 Specification Sheet.

You can also view the FDS 2 Flood Defence System Blocks in action here on YouTube. Military Defence Shelter

The cleverly engineered EDS 3 Defence Blocks are manufactured much lighter than their brother and sister. They are

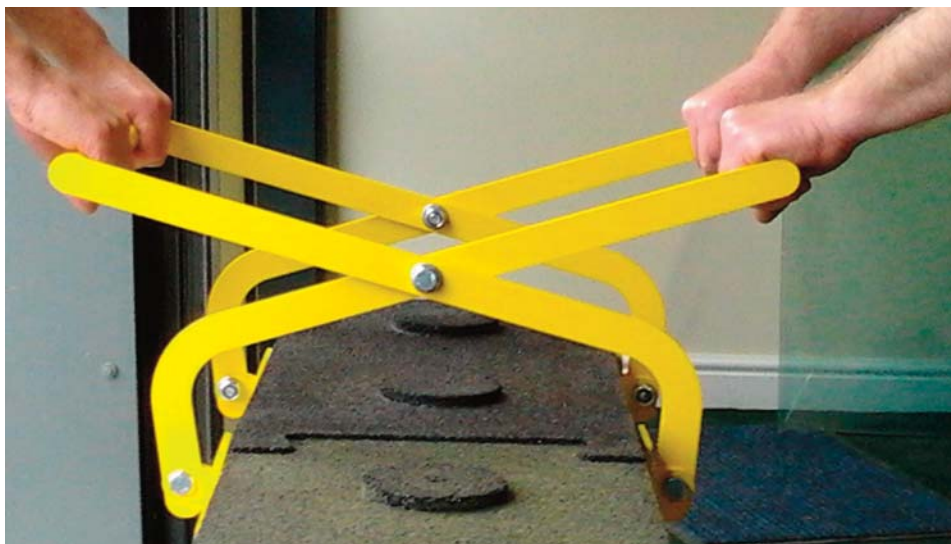
essentially a building block without the same advanced polymer engineering. Their interlocking system allows the rapid construction of an effective defensive wall with minimal manpower and resources required. Deployment is easier and quicker due to the blocks being slightly lighter in weight. Using the correct handling equipment the blocks can be stacked on and off of combat vehicles quickly and efficiently. This makes them suitable for war zones and humanitarian shelters alike. Our Promise to you:

To deliver environmentally sound products that seek to dramatically reduce



the impact of whatever they are subjected to.

To be a global leader in defence innovations, and to instil confidence in organisations and communities that deploy our defence systems. To use, source and supply products that are in keeping with an environmentally sound ethic.





# DESIGN & MANUFACTURE OF ENHANCED TECHNOLOGY PRODUCTS



The Sensor Systems Division of The O'Gara Group designs and manufactures enhanced technology products that provide Special Operations, Homeland Security, Law Enforcement and other specialized users with improved situational awareness in both night and day operations.

- Intensified Night Vision Systems
- Sensor Fusion Systems
- Heads Up Display (HUD) and Helmet Mounted Display (HMD) Systems
- A full range of Head / Helmet Mounting Accessories
- Combat ID Systems
- Tagging, Tracking, and Locating (TTL) Beacons
- Digital and Fused Night Vision Devices for ISR (Intelligence, Surveillance & Reconnaissance)
- Laser Illuminators and Pointers

#### Low Profile Night Vision Goggle - AN/PVS-21

Low profile design with a total depth of just over 3 inches, unequalled for aggressive night operations, such as, rapid terrain traversal, weapons employment, parachuting, close quarter battle, and vehicle operations. See-through optics design eliminates tunnel vision and enables smooth, natural transition from dark to light, defeats blinding glare and improves operations during ambient light surges. Cup-less eyepieces enhance situational awareness with improved peripheral vision, the low profile also results in a larger field of regard.

- Low Profile design enables aggressive night mobility
- Unique "see-through" beamcombiner system capitalises on both intensified and normal (unintensified) vision
- See-through capability permits seamless ops when encountering bright light conditions
- 40° FOV Dual Tube System
- Sensor Fusion capability with integrated Heads Up Display
- Rugged design features water proof construction up to 10m
- IR-LEDs enable zero ambient light operations
- Use of conventional batteries (Single AA battery - 1.5V Alkaline - 3.6V Lithium)
- Less than 8 cm deep
- Low movement arm compared to conventional NV equipment
- Profile and improved centre of gravity enhance capabilities in confined spaces and permits aggressive use in rough terrain
- Compatibility with existing head straps and helmet mounting systems (NATO standard)
- Significantly enhances ease of use with weapons

#### Low Profile Night Vision Monocular

The Model 2740 Low Profile Night Vision Monocular is the monocular version of the AN/PVS-21 Low Profile Night Vision Goggle

and maintains all the same powerful features, including Sensor Fusion capability. Left and right versions available.

- Low profile design significantly enhances night mobility
- See-through optics instantly transition to bright light
- Enhanced situational awareness with sensor integration
- Battle proven. The most rugged system available
- Large un-intensified field of view
- Improved depth perception and close-in field of regard
- Eliminates vertigo and tunnel vision of conventional systems
- Reduced centre of gravity for comfortable, extended wear

#### Accessories including Helmet Mounting options and Head Harness

The Head Harness is a proven design for helmet-less Night Vision and Day Viewer applications, provides for full equipment security and operator comfort. The STS (Sensor Technology Systems) Stowage Mount is specifically designed for use with the LPNVG (AN/PVS-21), LPNVM (Monocular), or Day-viewer and integrates into the standard NATO helmet mount.





The mount has adjustment mechanisms which easily permit up/down and fore/aft positioning of the attached device. In addition, the fixed mount provides a course tilt adjustment to center the attached device for proper eye alignment. Finite tilt adjustments are made using the tilt mechanism found on the Low Profile Night Vision Goggle, Low Profile Night Vision Monocular, or Day-viewer. The viewing device can be quickly removed from the Fixed Mount and the mount is also easily dismounted from the helmet receiver. Stowing of the goggle or monocular is simply achieved by rotating the PVS-21 upward out of the line of sight.

#### Conformal Enhanced Heads Up Display – Sensor Fusion

All AN/PVS-21 are CEHUD capable providing operators with the only NVG available with state of the art integrated sensor fusion for night and day operations with the Dayviewer offering the same capability by day.

The CEHUD system accepts SVGA/VGA inputs displayed in color, NTSC or PAL video signal displayed in monochrome directly into users view enabling operators to integrate and display key sensor technologies including real time downlinks, wearable PC, thermal imaging, weapon sites, navigation and targeting information into their vision.

This capability significantly improves situational awareness and eliminates the need for the operator to carry multiple video displays; users retain excellent manoeuvrability even during the most rigorous situations

The CEHUD adds only 30gms of weight with the battery pack designed to fit the rear of the helmet or in jacket pockets.

#### NOVA - Multi-Spectral Combat ID Beacon

The Nova is a multi-spectral combat ID beacon for covertly marking blue force personnel and vehicles. It includes broadband thermal, NIR and white LED emitters. When operated in thermal mode, it emits no visible signature and

is undetectable by conventional night vision equipment.

The Nova has an optical output of approximately 480 mW in the mid-wave IR band (3 to 5 micron), 104 mW in the long-wave IR band (8 to 12 micron), 450 mW in the NIR band (850 nm), and 80 lumens in the visible spectrum. The beacon's wide divergence and high power ensures high visibility to air or ground mounted thermal imaging systems and night vision devices. The self-contained unit can be easily configured for use on a helmet, MOLLE vest, pack, or vehicle.

- Positive ID of blue force personnel and vehicles from ground based and airborne thermal imagers, targeting systems, and NVGs
- Covert - When operated in thermal mode the Nova is undetectable by all visible and NIR cameras and image intensified night vision devices
- Six emitter locations can be populated with any combination of emitters
- Multiple Nova beacons can be synchronized to flash in unison

#### Star Thermal IFF Beacon

The Star Beacon is a thermal combat ID beacon for covertly marking blue force personnel and vehicles. It emits no visible signature and is undetectable by conventional night vision equipment. The Star Beacon has an output of approximately 2300 mW in the mid-wave IR band (3 to 5 micron) and/or 400 mW in the long-wave IR band (8 to 12 microns).

The beacon emits in a full hemispherical pattern for high visibility to air or ground mounted thermal imaging systems. The emitter head, battery pack, and mount system can be easily configured for use on a helmet, vehicle, MOLLE vest, or pack.

- Positive ID of blue force assets from both ground and airborne thermal imaging systems
- 1 km visibility to cooled LWIR imagers - 10 km visibility in MWIR with common imagers
- Invisible to Gen III image intensifiers
- Small and low profile - available with mounts for helmets, MOLLE vests, and vehicles
- Multiple star beacons can be synchronized to flash in unison
- Full hemispherical divergence from the horizon to zenith

#### Military Laser Illuminator and Pointer - Cyclops III

The Cyclops III is a compact handheld laser pointer and illuminator. With over 1 watt of optical power in the 852 nm version, it is the most powerful handheld NIR laser pointer on the market. The beam is adjustable from a collimated spot to a 4.5 degree flood. It is available in several wavelengths including 852, 1064, and 1550 nm.

- Point out targets day and night at ranges over 5 km. Laser beam is visible for over 35 km



- Compact design easily fits in the palm of your hand, ammo pouch, or vest pocket
- CW and pulse modes - small spot size, divergence < 0.5 mrad
- Also functions as a long range IR illuminator (excellent for JTAC use) with a high power and uniform illumination beam - greatly extends the effective range of night vision devices

#### About The O'Gara Group - Other Divisions

The O'Gara Training & Services Division provides comprehensive anti-terrorism, force protection, and tactical training for the military, as well as federal, state and local law enforcement agencies. O'Gara delivers world class training at any client's location and currently operates cutting edge tactical training facilities in Montross VA, Alton VA, and Barksdale TX. Each facility features unique terrain, capabilities, and amenities. World-class instructors provide advanced driver's training, force protection, convoy operations, close quarters battle, marksmanship and advanced sniper training for both short and long range weapons. Each facility provides comprehensive security training which exceeds most requirements for military and security training.

The O'Gara's Mobile Systems Division is a global provider of discretely armored civilian vehicles. We possess the capability to design and integrate armor solutions into commercially available vehicles. Additionally O'Gara retains the competency to integrate suspension, electrical, trim modifications and through life support in order to deliver an all inclusive vehicle solution. The O'Gara Group's recent addition of Protection Devices Inc. (PDI) to their Mobile Security Division complements their existing product portfolio. The heritage business in San Antonio, Texas currently manufactures Department of State specified vehicles consisting of the Chevrolet Suburban, Chevrolet Express Van and the Toyota Land Cruiser 76-Series.





# TRUVELO ENTERED INTO THE FIELD OF BARREL AND RIFLE MANUFACTURING IN 1994.

The success of the manufacturing of highly accurate barrels led to the development of a combination of our own barrel range and sophisticated sniper rifle technology. The proud result of this combination is Truvelo's range of highly accurate, long range rifles with calibres up to 20x110 Hispano.

The Truvelo design team has added the Counter Measure Sniper Rifle (CMS) Series to its range of small arms. The CMS was developed for Urban Type Warfare at a shorter range. The rifles are compact and allow for easy manoeuvrability. The stock is foldable and the rifle lighter which makes it easier to carry in confined areas. Interchangeable fore-ends available (application dependent).

Truvelo currently fields AMR (anti-material rifles) in four calibres, namely the 12,7x99mm, the 14,5x114mm, the 20x82mm and the 20x110 Hispano. In addition to this, the Truvelo APR (anti-personnel rifle) series is available in 7,62x51 Nato and the .338 Lapua.

The key to the success of the Truvelo range of sniper rifles is traditional attention to detail and sticking to what works best. While Truvelo's Midrand plant is home to proven technology, its designs also match space-age material with classical lines. All

rifles are bolt action. The combination of the right steel, the manufacturing process of the barrel, the bolt action and the fitment of the barrelled action into an ergonomically designed stock ensure unsurpassed accuracy. The most important features of these precision weapons are that they are lightweight, adjustable and accurate.

#### **Truvelo Counter Measure Sniper Rifle 7,62x51 Nato**

The Truvelo Sniper 7,62x51 Nato CMS rifle is a specialised target rifle of outstanding quality and accuracy. The rifle is capable of functioning in all operational environments and is resistant to harsh military use due to its robust yet simple design.

The rifle is available in various barrel lengths. It is lightweight (5,6kg / 6,4kg (depending on barrel length)), compact and boasts an accuracy of ½ M.O.A at 500m (ammunition dependent).

The rifle further has an effective range of 1000m (ammunition dependent).

#### **Truvelo Counter Measure Sniper Rifle .338 Lapua**

The Truvelo .338 Lapua CMS rifle is designed as a sniper rifle for long range anti-personnel targeting. Together with the

Truvelo proven barrel and action design, the combination of calibre and the ammunition used results in accurate shooting at long distances, up to 1800m.

The rifle is available in various barrel lengths. It is lightweight (6,2kg / 7,0kg (depending on barrel length)), compact and boasts an accuracy of ½ M.O.A at 500m (ammunition dependent).

The rifle further has an effective range of 1800m (ammunition dependent).

#### **Truvelo Counter Measure Sniper Rifle 12,7x99mm**

The Truvelo 12,7x99 CMS rifle is a specialised anti-material rifle of outstanding quality and accuracy. Targets identified for this calibre rifle are heavy armaments with sophisticated guiding and sighting equipment.

This is a serious rifle for the professional, designed to the highest standards with unsurpassed engineering.

The rifle is available in various barrel lengths. It is lightweight (13kg / 14,5kg (depending on barrel length)), compact and boasts an accuracy of 1 M.O.A at 500m (ammunition dependent).





The rifle further has an effective range of 1800m (ammunition dependent).

#### **Truvelo Anti-Material Sniper Rifle 14,5x114mm**

The 14,5mm sniper rifle is primarily designed as an anti-material sniper rifle. A variety of ammunition is available that can engage medium to heavy armoured vehicles and communication and guidance systems. The 14,5mm rifle boasts a very high muzzle velocity and enormous penetration power.

The rifle weighs 20kg, boasts an accuracy of 1 M.O.A at 500m and has an effective range of 1800m. The state of the art muzzle brake allows for a recoil reduction of 60%.

CMS version available soon.

#### **Truvelo Anti-Material Sniper Rifle 20x82mm**

The science of modern weaponry has brought to light highly sophisticated electronic guidance and communications equipment, GPS, night vision and radar systems found on light to medium skinned vehicles. These targets will be neutralised by the modern sniper equipped with this heavy calibre weapon due to the enormous ammunition payload delivery.

The rifle weighs 23kg, boasts an accuracy of 1 M.O.A at 500m and has an effective

range of 1500m.

Intensive research has made this multi chambered muzzle brake for large calibres so efficient that it reduces the recoil by up to 60%. This feature makes even this calibre easy to shoot in the prone position

CMS version available soon.

#### **Truvelo Anti-Material Sniper Rifle 20x110mm**

Truvelo has recently added the 20x110 Anti Material Sniper Rifle to its range of small arms. Due to the large calibre, this rifle is absolutely unique and Truvelo is one of the few weapon manufacturers in the world to design and produce a sniper rifle in this calibre.

Electronic guidance and communications equipment and GPS and radar systems, which are found on modern tanks and medium to heavy skinned vehicles, can be eliminated with this specialised rifle.

The rifle is produced with a tripod which has built in recoil dampers to help reduce the rifle's recoil. Due to this the sniper will be able to shoot even this large calibre rifle with ease.

The 20x110 rifle has an effective range for 2000m with an accuracy which can be described as 15" Radius at 600 yards.

#### **Truvelo Barrels**

Since Truvelo has entered into the firearms market, the company has established an unmatched name in the manufacturing of highly accurate barrels.

Devoted engineers, outstanding engineering facilities and research have resulted in barrel products for small arms and heavy calibre weapons which are of the finest and highest quality.

With the in-house designed button process, or the hammer-forge process, and the high quality steels used by Truvelo Armoury, the company manufactures from the smallest .22 to the large 40mm barrel sizes. Both processes have numerous advantages, for example the accuracy, longevity and the fine finish of the bore.

All barrels are manufactured according to the internationally recognised Nato and CIP specifications.

Various twist rates and barrel lengths available.



# Future ISR – The Joint C4ISR

The Largest Gathering of Senior ISR  
Decision Makers In The World.

NATO Will Be Delivering Requirements On

- Information protection
- Architectures and networks
- Policy and governance
- Platform and system interoperability
- Analysis and exploitation tools
- Dissemination methods

Future ISR 2012 will bring together forward-thinking experts from procurement, technical, policy, operational and industry backgrounds across NATO and non-NATO nations. The aim is to reach consensus on data ownership, system interoperability and organisational changes required to accelerate collection, analysis and dissemination of information in a joint ISR environment.

Over 3 days from October 2 - 4 at Le Plaza Hotel in central Brussels 40+ government and industry ISR experts will provide insight on these key issues through 40 in-depth presentations, 20 working-group roundtable discussions, 4 interactive panel discussions, 1 focus workshop and 15 hours of structured networking.

Here are just some of the program leaders you could network with and hear the latest requirements from:

- Major General (ret'd) Koen Gijsbers, General Manager, NATO Communications and Information Agency (NCIA)
- Major General Rousseau, Chief of Defence Intelligence, Canadian DnD
- Major General Stephen Schmidt, General Manager, NATO Alliance Ground Surveillance

• Neill Tipton, Director, Information Sharing and Partner Engagement Lead Information Sharing & Collaboration ISR TF, OSD US DoD

• Captain C R Clough, Dep Hd C2 & Int DPD, Cap C4ISR, UK MoD

• Colonel Hans Folmer, Commander, Cyber Command, Netherlands MoD

• Michael Oberndorfner, Head of the BLST DNBL and Service Coordination Branch, NATO

• Sean Anthony Midwood, Chief of Staff, Chief Technology Office, NATO Communications and Information Agency (NCIA)

For more information and industry content, visit [www.futureisr.com](http://www.futureisr.com)







## The EOD robot telemax

**COBHAM**

The most important thing we build is trust

In all cases where the big robot tEODor cannot be used its little brother telemax provides that vital distance between the bomb disposal engineer and the explosive device that can mean the difference between life and death: in **aircraft**, in **subways**, in **buses** or other means of public transport.

### The highlights:

- Programmable manipulator with Tool Center Point control
- Excellent mobility through 4-track running gear with **2DRIVE** technology
- 7-axis manipulator with rotating turret and linear axis
- Very high reach through the telescope and chassis that can be adjusted for height
- Two tool magazines with automatic tool change
- IATA-conforming Li-ion battery system (in compliance with UN 38.3)
- Interfaces for: AQUASET, ABL 2000, PROPARMS 12.5 RC, PROPARMS 20 RC, RE 70 M3, RE 12g Mini, BENELLI M4 Super 90, NEEDLE and DemiMod.
- Hybrid drive featuring fuel cells for long endurance missions

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# Pursuit Dynamics (PDX)



**EXCEPTIONAL  
EFFICIENCIES**



## Decontamination systems

PDX decontamination products support emergency responders across the globe, providing rapid and effective CBRN decontamination with minimal liquid use. Broad chemical capability, coupled with super-fine droplet generation and complete non-line of sight coverage, affords complete CBRN threat mitigation within a single PDX system.

We provide portable and mobile decontamination solutions both being equipped with our patented atomizer technology that generates micro droplets to ensure even and consistent coverage. First Response System (FRS)

Offering lightweight and cost effective decontamination the FRS is a highly mobile and robust back pack designed for maximum operational flexibility. The perfect CBRN decontamination solution in

localized environments, for light vehicles and for personnel providing pressurized air, chemical agent and discharge module all in one unit.

## Area and Room Decontamination

Our larger integrated wide-area (~2000m<sup>3</sup>) solution combines our technology with true operational level decontamination capability and excellent rapid room filling capacity.

Suitable for large scale infrastructure and heavier items of military equipment the mobile stand-alone system compliments

the FRS in providing the end user with a complete CBRN capability.

PDX continues to contribute to important advances in aerosol delivery and decontamination technology.

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## CBRNe Asia 2012

### Conference, Exhibition and Exercise

3<sup>rd</sup> - 7<sup>th</sup> September 2012

Plaza Athénée Bangkok, A Royal Meridien Hotel, Thailand





# SECURING<sup>®</sup> ASIA 2012

THE ASIAN HOMELAND SECURITY & COUNTER TERROR SUMMIT

## Securing Asia Summit Closes With Record Attendances From Foreign Delegations

MP Jo Johnson closed the 3 day Counter Terror and Homeland Security Summit, Securing Asia 2012 on Friday, addressing the vital issue of British business opportunities and interests in the Asian homeland security market. Speaking of the need to address the trade deficit, he cited the importance of improving the export competitiveness of UK firms, by getting them to turn and face more resolutely towards the fast growing Asian markets.

He quoted Foreign Secretary William Hague, speaking in Singapore earlier this year: "Today Britain is looking East as never before...Asia's rise is good for the world, bringing millions out of poverty, providing new opportunities for global trade and investment, and helping to guard against global security threats." With Government targets set to double bilateral trade with China, India, South Korea, Vietnam, Malaysia and Indonesia within the next five years, substantial rises in the volume of exports are to be expected. Johnson also particularly stressed the importance of improving trade with India, a position from which Britain has slipped significantly in ranking in the last 10 years.

The Summit was opened on 25th June by the Rt. Hon Jack Straw MP, former UK

Home and Foreign Secretary, and architect of the Terrorism Act 2000, delivering a sharp and vigorous analysis of 'The British Experience of Battling Terrorism: Lessons for Asian Policy Makers and Business Opportunities in Asia.' Straw stressed "the critical issue of how governments balance the imperative of protecting their peoples from the immediate threat of terrorism to their lives and property with wider political action aimed at reducing or neutralising the nature of the threat in the first place." He qualified the difficulties inherent in branding people or movements as 'terrorist' and stressed the need for negotiation where possible, "Even where a military conflict has ended with the unconditional surrender of one side, securing the peace which should follow always requires a negotiated political solution. The same is true of terrorism." However, he took care to exclude Al Qaeda from this tolerant approach: "...the political and religious objectives of Al Qaeda are so general, and fantastic – to secure and Islamic 'caliphate' over much of Asia – that they are an impossible basis for any negotiation."

Britain's Minister for Crime and Security, James Brokenshire, speaking at Securing Asia 2012, on the current situation of crime

and security threats to the UK and globally, and the Strategies adopted to counter them, highlighted the size of the Pakistani and Indian diaspora in the UK and emphasized the enormous human cost to Pakistan of terrorist actions: "In Pakistan alone, nearly 13,500 civilians and 4,500 security force personnel have been killed in terrorist violence since 2003."

He went on to contend that "Al Qaeda core is in decline: It is weaker than at any other time since 9/11; it hasn't conducted a successful attack in the UK since 2005; much of its ideology has been discredited and it has failed in its objectives."

His excellent dissection of the new face of terrorism and its main drivers of conflict and instability, aspects of modern technology, pervasive ideology, and radicalisation addressed the global threat in the wider geographical regions including the Arab Peninsula as well as Africa.

Former High Commissioner of India to Pakistan, Australia and Cyprus, Mr G Parthasarathy warned that another Mumbai style attack on India cannot be ruled out. He specifically tackled the 'Challenges of Terrorism in India,' and warned of the escalated (continued over)...



risk from the Taliban and Haqqani networks, if they were to strengthen their hold in Afghanistan following the pull-out from the West. "India would like to cooperate with regional countries and the international community to ensure that Afghan soil does not become a haven for terrorists, who are determined to attack Indian soil and Indian interests abroad. Diplomatic processes to achieve this have to be inclusive and supportive of the democratically elected Government and Parliament in Afghanistan."

The summit featured record breaking attendance from foreign delegations from across Asia, including representatives from the Defence, Police, Military, and Paramilitary forces of Nepal, Myanmar, India, Georgia, Oman, Japan, Taiwan, Brunei, Myanmar, Saudi Arabia, Poland, UAE, Jordan, Somalia, and Bangladesh, among others.

**Editors notes:**

Other prominent speakers included:

- Sir Lawrence Freedman – Vice Principal, Professor of War Studies, King's College, London
- Dr Maliha Lodhi – Former Pakistani Ambassador to the USA and Britain
- Hagai M Segal – Academic, consultant/analyst and commentator specialising in Middle East Affairs
- Prof. Anatol Lieven – Dept of War Studies, King's College, London
- Mr G. Parthasarathy – Former High Commissioner of India to Pakistan, Australia, and Cyprus
- Prof. Stephen P Cohen – Brookings Institute, USA; Author and Academic
- Dr Jack Caravelli – Former CIA analyst

- Mr Ernest Z Bower – Senior Advisor and Director, Southeast Asia Program, CSIS, USA

- Dr Stephen Blank – Research Professor of National Security Affairs, Strategic Studies Institute, US Army War College

36 Exhibitors included SAAB, Land Rover, UK Cyber Lab, and RedXDefence USA.

Supporting organisations include UKTI Defence and Security Organisation, and ASEAN.

For a full list of speakers, foreign delegations, exhibitors, and subject information go to [securingsia2012.com](http://securingsia2012.com)





# US Navy awards Submarine Escape Suits contract to Survitec



Sharon Center, OHIO. Survitec Group is delighted to announce it has agreed an initial equipment order worth \$25m+ USD to supply Submarine Escape Immersion Equipment (SEIE) to the US Navy. This firmly places Survitec's RFD Beaufort Mk11 suit as the only technically acceptable product to meet the strict US Navy requirements for product quality and submariner safety.

The initial order for several thousand RFD

Beaufort SEIE Mk11 suits has the opportunity to extend to a total contract value of \$60m+ USD over the next five years. This success follows the recent contract award from the Royal Canadian Navy, also for the SEIE Mk11 suit, and reinforces Survitec's commitment to safety, integrity, and product quality.

Manufactured at Survitec's facility in Sharon Center, Ohio, the SEIE Mk11 suits will replace the US Navy's existing SEIE

Mk10 range. Survitec has already invested approximately \$10m USD in establishing an extensive and highly capable US manufacturing facility capable of achieving full rate production, and in sourcing US domestic textiles necessary to comply with the Preference for Certain Domestic Commodities Clause, otherwise referred to as the Berry amendment.

David Abbott, Managing Director of Survitec's Sharon Center facility, commented on the contract, "We're extremely proud to be supplying our US Navy Submariners in what is a very important contract for Survitec and our workforce in Sharon Center. Our company pioneered Submarine Escape technology in 1952 and has continually evolved its offering to the current high standard of the SEIE Mk11."

The Sharon Center facility, now employing over 120 local, skilled workers in high-end textile engineering and manufacturing has already supplied in excess of 4,500 SEIE Mk11 suits since 2009, and will continue production of around 250 units per month. The facility is also the supplier for 25 and 50 person rafts to the US Navy (NAVSEA), and Anti-G trousers for Pilots in the US Air Force and US Navy







Rope for rapid deployment from helicopters **FAST ROPE**  
and version for transportation and evacuation **F.R.I.E.S.**



LANEX a.s. is the leading manufacturer of braided and twisted ropes in the Czech Republic as well as being one of the major European manufacturers of ropes and cords. All of the high-performance and innovative products are developed and produced in the Czech Republic and comply fully with European standards.

In the production of the unique **Fast Rope**, special PA BCF fibres are used which give superior protection during descending, having high resistance to wear and rupture. The rope with a diameter of 44 mm and a unique construction offers the user good control during descending without additional delay. We are able to supply our key military clients in many countries with **Fast Ropes** also in diameters 40 mm and 32 mm.

We offer three types of terminations for suspension, as standard:

- **spliced eye** with high strength and resistance, for frequent straining and loading (e.g. in practising)
- **eye made of express slings (ST-short termination)** - lightweight and especially short eye with high strength, the express slings are protected by PES fabric "ripstop" which protects them against wear and tear. Easy examination of seams and express slings after removal of the protector. In emergency the rope may be simply cut at the termination
- **eye with metal termination (MT-metal termination)** for different types of metal connectors and hooks

**When developing our ropes, including various types of termination, we cooperate with end users and aviation authorities in individual countries. For instance, in the Czech Republic with the Fast Deployment Units of the Police.**

- ropes are released post deployment
- eliminates risk of injury to persons on the ground
- inhouse factory spliced eyes
- designed for use with helicopter cargo hooks

#### F.R.I.E.S.

##### (Fast Rope Insertion and Extraction System)

Multi-use product designed for rapid deployment and retrieval, reducing the risk to helicopters and personnel. Each LANEX/TENDON F.R.I.E.S. can carry 6 - 8 fully equipped personnel, with its sling and lanyard system.

F.R.I.E.S. is available with the same choice of terminations as the Fast Rope.

Rope diameter, pre-tensioned according to EN ISO 2307 (245 kg) (mm)	<b>44</b>	<b>40</b>	<b>32</b>
Rope diameter, loose (zero tension) (mm)	50	46	38
Rope weight, pre-tensioned according to EN 2307 (245 kg) (kg/100 m)	77	60	42
Rope weight, loose (zero tension) (kg/100 m)	96	75	52
Minimum rope strength with spliced eye (kg)	12 000	10 000	7 500
Minimum rope strength with sewn loop with textile protection (kg)	6 000	6 000	6 000
Minimum rope strength with steel termination (kg)	3 000	3 000	-
Minimum strength of suspension sling (F.R.I.E.S.) (kg)	2 500	2 500	2 500
Rope elongation, pre-tensioned according to EN ISO 2307 (245 kg) (%)	25	25	25



#### STANDARD TYPE OF TERMINATIONS

a) Spliced loop with textile protection



b) Short termination (sewn loop) with textile protection

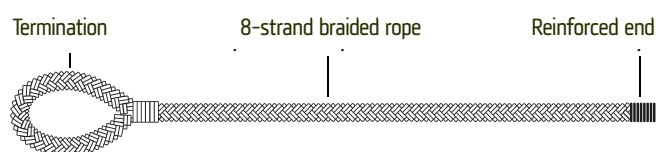


c) Metal termination

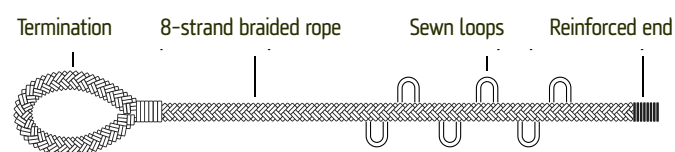


#### TYPE OF ROPES

a) Fast rope used for rapid deployment from helicopters



b) Rope F.R.I.E.S. for transportation and evacuation personnel





# L-3 WESCAM Launches the MX™-10D EO/IR Imaging and Designating Turret

FARNBOROUGH, United Kingdom, July 9, 2012 – L-3 WESCAM announced today the product launch of its MX™-10D electro-optical/infrared (EO/IR) imaging and designating turret. The MX-10D will operate as a medium- to low-altitude tactical surveillance and target designating system for both fixed- and rotary-wing platforms, as well as tactical UAVs. The system will be on display at the Farnborough International Airshow in the L-3 Pavilion, OE-14, July 9–13, 2012.

“The MX-10D is ideal for mission profiles that require designation capability, where size, weight and power are limiting factors,” said Paul Jennison, L-3 WESCAM vice president of government sales and business development. “The accuracy of the MX-10D’s designator and its overall range performance create a highly reliable solution for forces working with smaller tactical airborne platforms in need of targeting.”

In early June 2012, the MX-10D underwent flight testing at the U.S. Army’s Yuma Proving Ground. Testing was conducted from an armed MD500E helicopter and a C208 Cessna fixed-wing aircraft. During the event, both aircraft and mission profiles yielded exceptional performance in all modes of flight throughout the HELLFIRE operational envelope.

The MX-10D builds on the field-proven success of the MX-10 EO/IR imaging system. Like its predecessor, the MX-10D can be configured with up to six payloads, including the laser target designator. The system’s consistent targeting accuracy is achieved via an internal isolator that minimizes vibration-induced boresight shifts. The system’s stabilization minimizes spot jitter, resulting in precise designation and consistent target location accuracy.



Reliable GEO-referenced targeting is achieved with a GPS and an IMU embedded on the optical bench.

In addition, the MX-10D incorporates advanced image processing on all sensors to improve haze penetration, enhancing target identification and situational awareness via image fusion. This improves mission effectiveness while reducing operator workload.

L-3 WESCAM is a world leader in the design and manufacture of stabilized, multi-spectral airborne imaging systems. To learn more about L-3 WESCAM, please visit the company’s website at [www.wescam.com](http://www.wescam.com).

Headquartered in New York City, L-3 employs approximately 61,000 people worldwide and is a prime contractor in C3ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems, aircraft modernization and maintenance, and government services. L-3 is also a leading provider of a broad range of electronic systems used on military and commercial platforms. The company reported 2011 sales of \$15.2 billion. To learn more about

L-3, please visit the company’s website at [www.L-3com.com](http://www.L-3com.com).

Safe Harbor Statement Under the Private Securities Litigation Reform Act of 1995  
 Except for historical information contained herein, the matters set forth in this news release are forward-looking statements. Statements that are predictive in nature, that depend upon or refer to events or conditions or that include words such as “expects,” “anticipates,” “intends,” “plans,” “believes,” “estimates,” “will,” “could” and similar expressions are forward-looking statements. The forward-looking statements set forth above involve a number of risks and uncertainties that could cause actual results to differ materially from any such statement, including the risks and uncertainties discussed in the company’s Safe Harbor Compliance Statement for Forward-Looking Statements included in the company’s recent filings, including Forms 10-K and 10-Q, with the Securities and Exchange Commission. The forward-looking statements speak only as of the date made, and the company undertakes no obligation to update these forward-looking statements.

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- GCAA (Gulf CAA) design approval

ECS delivers capability ranging from interfacing simple navigation and communications through to complex and demanding police or special forces mission equipment.



**To see is to believe. For a live demonstration contact ECS or Phoenix Aerospace.**



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### September 2012

#### Military Airlift

26-28 September 2012  
London, UK

[www.militaryairliftevent.com](http://www.militaryairliftevent.com)

#### Offshore Patrol Vessels

25-27 September 2012  
Amsterdam, The Netherlands

[www.offshorepatrolvessels.com](http://www.offshorepatrolvessels.com)

#### Maritime Reconnaissance and Surveillance

25-27 September 2012  
Rome, Italy

[www.maritimerecon.com](http://www.maritimerecon.com)

#### International Close Air Support

25-27 September 2012  
London, UK

[www.closeairsupport.co.uk](http://www.closeairsupport.co.uk)

#### Soldier Modernisation India

11-13 September 2012  
New Delhi, India

[www.soldiermodindia.com](http://www.soldiermodindia.com)

#### Amphibious Operations

25-27 September 2012  
London, UK

[www.amphibiousoperations.com](http://www.amphibiousoperations.com)

#### Infantry Weapons

19-20 September 2012  
London, UK

[www.infantryweaponsconf.com](http://www.infantryweaponsconf.com)

#### Military Engineering

11-12 September 2012  
London, UK

[www.militaryengineeringevent.com](http://www.militaryengineeringevent.com)

#### Future Armouring

11-13 September 2012  
London, UK

[www.futurearmouring.com](http://www.futurearmouring.com)

### October 2012

#### Cyber Defence Europe

24-25 October 2012

[www.cyberdefenceeurope.com](http://www.cyberdefenceeurope.com)

#### Interoperable Open Architecture

30-31 October 2012  
London, UK

[www.ioaevent.com](http://www.ioaevent.com)

#### Military Radar

27-29 November  
London, UK

[www.militaryradarconf.com](http://www.militaryradarconf.com)

### November 2012

#### International Fighter

06-08 November 2012  
London, UK

[www.international-fighter.com](http://www.international-fighter.com)

#### Medevac

13-14 November

[www.medevacevent.com](http://www.medevacevent.com)

#### Air Power in Irregular Warfare

November 2012, London, UK

[www.airpowerinirregularwarfare.com](http://www.airpowerinirregularwarfare.com)

#### Armoured Vehicles India

November 2012  
New Delhi, India

[www.armouredvehiclesindia.com](http://www.armouredvehiclesindia.com)

#### Maritime Life Cycle Management, Repair and Maintenance

November 2012  
London, UK

[www.maritimelifecycle.com](http://www.maritimelifecycle.com)

#### Software Defined Radio

November 2012  
Amsterdam, The Netherlands

[www.sdreurope.com](http://www.sdreurope.com)

### 2013

#### Cyber Defence & Network Security (CDANS)

24-25 January 2013  
London, UK

[www.cdans.org](http://www.cdans.org)

#### International Armoured Vehicles

5-8 February 2013  
Farnborough, UK

[www.internationalarmouredvehicles.com](http://www.internationalarmouredvehicles.com)

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