

MILITARY SYSTEMS & Technology

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The Defence Suppliers Directory Magazine









elcome to this edition of the Military Systems & Technology Magazine.

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.

The Defence Industry Web Portal

For more information, technical guidance or the latest subscription packages available for Military Systems, Naval Systems and Security Systems, please contact us where one of our team will be more than happy to advise you.

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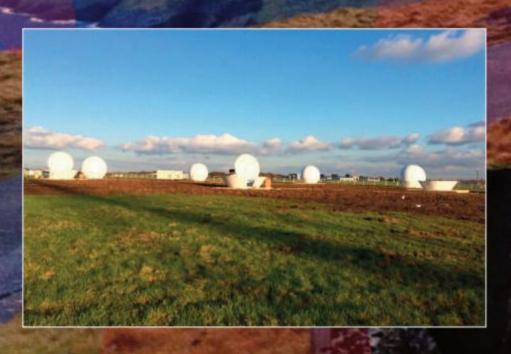
Manufactured boxes and crates since 1927

44 TSS

Proud to announce its participation as exhibitor at the annual NIDV symposium in Rotterdam.

MICRIS GRP Mouldings

Radomes for global communication system providers



Based in the north west of England, Micris Limited specialises in the manufacture of GRP mouldings for a wide range of industries. We have over 20 years' worth of experience and can provide a level of knowledge and expertise that will enable the most unusual requirements to become a reality.

We specialise in radome manufacture but we have the ability to work on many other bespoke GRP projects so please get in touch and let us know your requirements and find out how we can help.

Radomes

From design through to manufacture Micris successfully supply radomes to global communication system providers for onshore, offshore and marine locations.

Micris offer a range of radomes from 1m to 6m in diameter with known:

- Dielectric performance
- Transmit and receive performance
- Mechanical performance



Micris Limited

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www.micris.co.uk



MICRIS – GRP Mouldings – Radar, Telemetry and Communication Systems

For demanding radar, telemetry and communication systems, Micris radomes safeguard antennas etc. against environmental concerns, such as wind, blowing sand, snow,





ice, rain, sun light, temperature, fungus and corrosion.

Micris are able to support the tendering process and ensure that specified performance conditions are met. Using highly developed so ware we can provide the relevant specification, 3D drawings and supporting technical information to be certain our customer's system performance obligations are met.

NEDINSCO DEFENCE INTRODUCTION

The product range for defence market is ideally suited to land and sea systems. Examples are high-end cameras, direct view solutions, sensor platforms and boresights.

In the defence world Nedinsco is regarded as one of the leaders in the supply of high-quality, state-of-the-art systems.







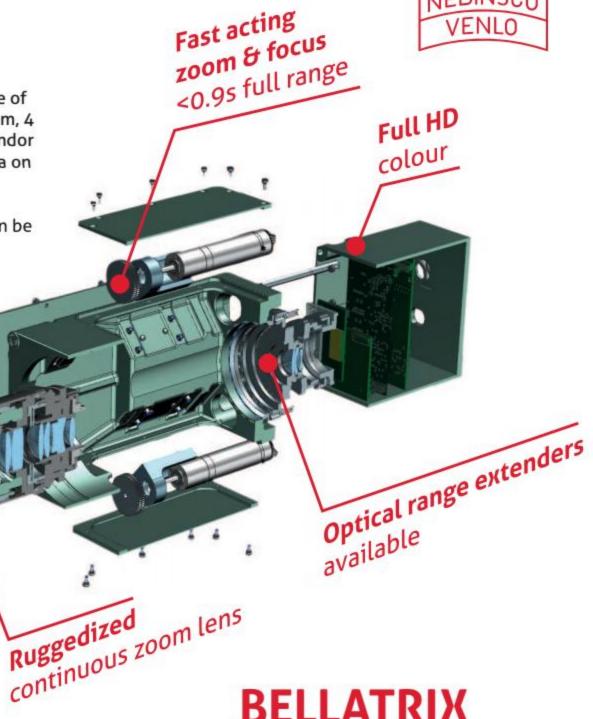




CONDOR HD INTRODUCTION

With its modular design, excellent Line of Sight, 10 times continuous optical zoom, 4 times continuous digital zoom, the Condor HD is the best full HD day sight camera on today's market.

Due to easy integration the camera can be fitted into, retrofit and new programs.



NEDINSCO

BAA II

Sensor platform

- Mission improved and approved
- Five high-performance sensors
- Clip-on laser designator
- Sensor head can be deployed remotely away from vehicle

BELLATRIX

Ruggedized night camera

- 10x optical zoom
- N Horizontal FOV 4.9°
- LOS beteween 2 user defined FOV's <1 pixel
- Sensitivity 5mlx





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JAN VAN RIEBEECKWEG 5



THE ULTIMATE STORAGE FOR YOUR MOST CRITICAL DATA



Organize vital records and information and protect them from Fires, Floods, Tornados, Hurricanes, Earthquake, Building Collapse, Cyber Criminals...

Your own safe & secure "Black Box." The ultimate storage for your most critical data.













The DataBunker product line is a brakethrough for transportable critical data storage. Its small compact size has incredible survival capabilities. It is actually small enough to fit in a standard briefcase and is TSA approved for carryon.

It is designed to withstand a crash event were there are high G forces followed by a horrible chain of events including a penetration attempt, 25,000 lb. crush resistance, a 1400 degrees Fahrenheit one-hour fire, a 500 degrees Fahrenheit for 10 hours, 48-hour submersion in diesel fuel, 10 min under fire fighting solution, and then a 48-hour submersion under 15 meters deep in salt water in sequence on the same unit. The DataBunker also survives a nuclear weapon EMP.

Many applications are showing themselves for the DataBunker product line from black boxes for many different types of vehicles including trains, busses, trucks, cars, self-driving cars, emergency response vehicles, cash transport vehicles, military tanks and all other military vehicles to personal home use. A DataBunker on a vehicle allows you to extract the data of an event that occurred so accurate reconstruction can occur, this is especially of interest when loss of life has occurred with a vehicle accident, or to just have your personal critical information survive most any "event".

For personal data protection in today's world where the "cloud "is hacked every day where do you put your critical personal information and data that is not going to be destroyed if an event happens. All your personal information and vital data should be protected and accounted for. Wills, financial information, and insurance policies can disappear if you don't protect them. This is poignant and everyone must do this to protect themselves and their loved ones. Whether you are a fortune 500 company or a family or an individual you need to protect your valuables. Many of our valuables in this era are now data and information.

The DataBunker is designed to protect that and organize your life at the same time. It comes already loaded with a complete file folder system that is expandable to accommodate any of your needs. Useful documents such as wills, power of attorney and many others are already on it and if you are a bitcoin or any other form of cryptocurrency holder why you would hold it on anything else. It shows up as a drive on your computer and is as easy as dragging and dropping files on to it. We also have our easy to use but very powerful encryption software BunkerCrypt.

Put your world on a DataBunker today. Organize your life on a DataBunker today. Do it for your yourself or your love one's sake.

Go to **DataBunker1.com** and order your DataBunker today! Many colors available, 8, 16, or 32 gig.



Tel: 866.741.5458 Website: DataBunker1.com Email: Sales@DataBunker1.com

DDC is Again Recognized for Outstanding Quality & Delivery Performance by General Atomics

Aeronautical Systems!

Bohemia, New York (July 2018) Data Device Corporation (DDC) receives the 2017 Supplier Excellence Award for exceptional quality and delivery performance from General Atomics Aeronautical Systems, Inc. (GA-ASI). As a multiple time recipient of this award (2010, 2012, 2016, 2017), DDC is proud to be recognized for our long-term commitment to delivering on-time, quality products contributing to the success of our customers and the critical missions they serve.

DDC was selected to receive this prestigious award based upon having achieved and maintained GA-ASI award qualifications of 100% quality rating and a 100% on-time delivery rating throughout 2017. This exceptional level of quality and performance has been at the core of DDC's commitment to superior service total customer and satisfaction for more than 50 years.

General Atomic Aeronautical Systems presented this award "In recognition of Outstanding Quality and Delivery

Performance. Your commitment to excellence contributed to timely, high-quality production of Predator®-series remotely piloted aircraft systems, radars and electro-optic and related mission systems solutions to support security priorities worldwide," as stated upon the award.

"DDC is honored to receive this prestigious award, reflecting our continuous commitment to quality control, process improvement, and unsurpassed customer service, and we thank General Atomics

Aeronautical Systems for valuing DDC's long-standing commitment to quality, reliability, and superior support," stated Joe Pipczynski, DDC's Vice President of Sales & Business Development.





shareholder of the Iveco - Oto Melara Consortium (CIO), is awarded a contract to deliver ten Centauro II Armored Vehicles to the Italian Army

In the presence of the Italian Army Chief of Staff and of the Land Armaments Director a contract for the first tranche of ten Centauro II Vehicles, named "New Blindo Centauro" by the Italian Army, has been signed by the Iveco - Oto Melara Consortium (CIO) senior management at Guidoni Palace, headquarters of the General Secretariat of Defence and of the National Armaments Directorate.

The Centauro II marks a major step forward compared to the previous

Centauro I, in terms of power, observation capability, mobility, ergonomics, firing range, communication and maximum crew protection.

Equipped with a new power pack delivering over 700hp and with Hdrive architecture, a hallmark of the 8x8 Centauro range, Centauro II features an entirely digital system and a new generation turret mounting with a 120/45 mm gun.

The result is a new concept of

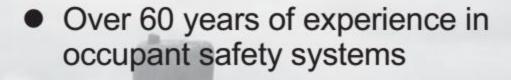
wheeled armored vehicle capable of operating in any scenario: from national security missions, to peacekeeping and support operations including all interventions involving the Italian Armed Forces.

The CIO contract, including vehicles, equipment and logistics, is worth 159 million euros, with some 65 million euros relating to Iveco Defence Vehicles.

This delivery is the first tranche of a total of 136 units.

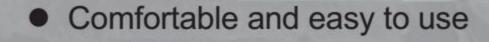


Military Harness Systems



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Custom solutions
 e.g. gunner restraint systems

ITAR free product

Safety through Technology

- Successful tested in accordance to STANAG 4569
- Forward, side and rearward installation possible
- Wall, Floor or Roof mounted
- Light weight design
- 4 or 5 point compliant ECE, FMVSS or FIA restraint systems are available





- Compact profile with self-folding seat pan
- ITAR free product

SCHERONNI!

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oto: Boxer® Krauss-Maffei Wegmann GmbH & Co. KG

INNOVATIVE TECHNICAL SOLUTIONS BV



INNOVATIVE TECHNICAL
SOLUTIONS BV was founded in 2012
and is specialized in extraordinary
camera systems. Based on a long
experience in image intensified
camera technologies, they have
grown their technology database
with a product portfolio ranging
from night vision systems, thermal
and fusion systems to laser range
gated cameras. The highly
experienced team of Hardware,



software, mechanical- and electronic engineers develop and manufacture customer specific camera systems and the company also has an impressive product portfolio with their own products.

At Eurosatory 2018, the company is proudly releasing their latest product called Cherub. Cherub is a very compact, extreme low latency, versatile fusion core. Due to the modular design, this core can be integrated in a wide variety of systems. Handheld, wearables, target acquisition, driver- and local situational awareness systems to name a view. The core is designed around ITS' proprietary fusion engine which allows for extreme low latency. A Full HD colour or monochrome CMOS sensor and QVGA or VGA micro bolometer are the available



Pulsatrix

sensors. They can be independently operated or the operator can utilize the smart fusion. When smart fusion is selected, the ITS algorithms quickly analyse detail and contrast in each frame to determine where and how to fuse and to what degree. A wide variety of video processing options are also available for the operator and the system allows for overlays etc. The optional SDK allows OEM's to

create their own user space and user interfaces. Embedded Linux allows for full camera control. Another unique item is the "Shutterless NUC" that is used by the thermal camera inside the core. Again smart algorithms analyse the thermal image and take care of the NUC so a mechanical shutter is not needed anymore.

The unit is either available in a compact housing and can be integrated directly or as a modular board camera core where everything can be tethered to fit in an even wider variety of end user systems. It's available in two types, with an OLED display and input control buttons or HDMI output with RS232 interface for control.

Cherub will be a "game-changer" with regards to sensor fusion. Because of the compact and modular design, this core is suitable for integration in a wide line of products. Present vehicle programs all over the world could benefit from this development as thermal and low light fusion are now available in one core for a very favourable price. The core is also very easy to integrate since all the provisions for integration are available. OEM manufacturers could simply upgrade their existing cameras with this new core or quickly develop new cameras.

Since 2016, ITS BV is part of the **Formatec** holding and therefore part of an innovative group of companies with a solid structure. This allows for the future growth plans of ITS and the transformation from a consultancy based, project company to a production company with integrated R&D capacity, specialized in high end camera systems. ITS is primarily focussed on the Defence and Security market but serves the Industrial market as well.

On their booth ITS is demonstrating some of their presently successful products. **Sequoyah** is their low light level camera developed around the SONY Pregius IMX252 sensor. The camera is available for end users as

well as a board camera for OEMS. ITS BV provides a complimentary SDK which allows the OEM or end user to generate a completely tailored back end. For end users that just want a simple Low Light Level camera for covert surveillance, there is an embedded webserver running in the camera. Through this server, the user can control all of the camera settings. Sequoyah is available in both colour and monochrome with impressive sensitivity. The colour sensor has a detection limit of 3-5mlux scene illumination where the limit for the monochrome version is even below 1mlux. This make the camera extremely attractive for OEM manufacturers with the possibility to embed it into a variety of systems.

For OEMS that want deeper night vision, down to night level 5 and into the ulux domain, ITS BV has the Pulstarix camera/core family. This camera has an integrated intensified CMOS sensor with either PAL resolution and output or a 1280x1024 resolution in HD-SDI or any other output, required by the customer. For wearable and handheld systems, as well as weapon sights the camera core is perfectly fit to digitize existing systems or develop new digital night vision systems. Pulsatrix core has the ideal SWaP for man portable night vision systems, while also being ideally fit for integration into larger platforms. When

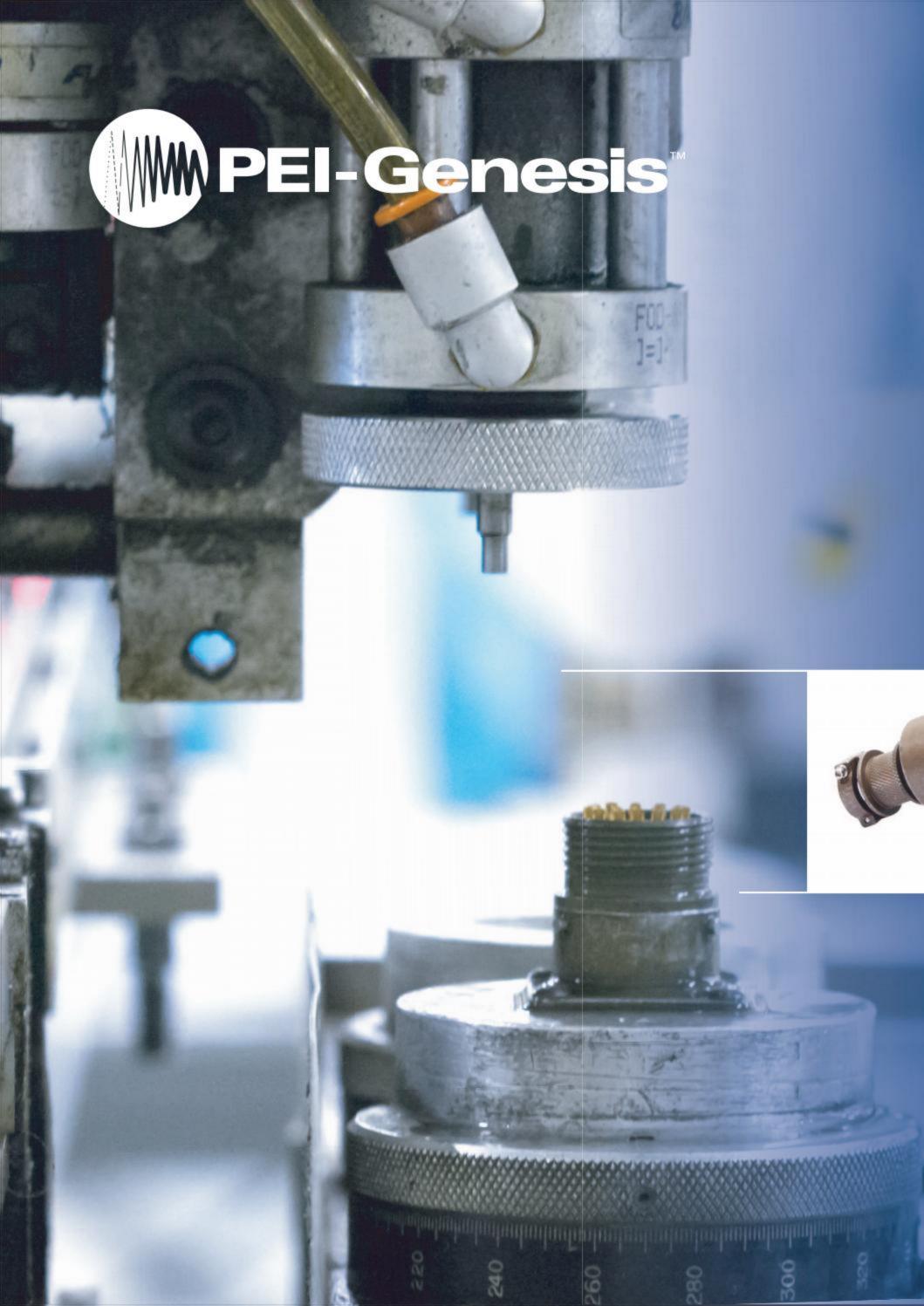
manufacturers are looking for a more sophisticated digital night vision camera, they can also consider the **Pulstrix camera**. This is the core's larger brother and has additional processing capability as well as DC-IRIS and Pelco D control options. The camera can also be ruggedized to fit into vehicle retrofit programs, ugrades and new developments as **driver night vision** camera.

Also on display at their booth during Eurosatory is the innovative Alligator night vision camera. This camera has a unique SWaP design for rapid deployment. The camera can be used in surveillance operations, battle damage assessment but also for close perimeter protection for units in a Remain Overnight location. PAL or HD-SDI output is easily connectable to any transmitting device used by modern day forces speeding up the decision chain with usable night vision surveillance with the quality of goggles.



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Night Vision, Electro Optical & Thermal Camera Development and Production



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is the first radio designed for IP networks

Solutions for civil and defence ATM



accredited for environmental management



Approx

passengers that depart and land safely each day thanks to Park Air ATM equipment







We do cold places



We do hot places

Sahara



We do wet places



ABOUT US

Worldwide over

projects (2013-2018)

Average years of employees' service:



14 years

employees each year

Average of raised for charity by

Gold Standard Investors in People



Part of leading global security company

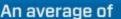
NORTHROP GRUMMAN

countries



Communicating with

aircraft daily, offering civil and defence ATM

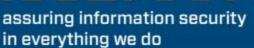


00 radios

produced annually



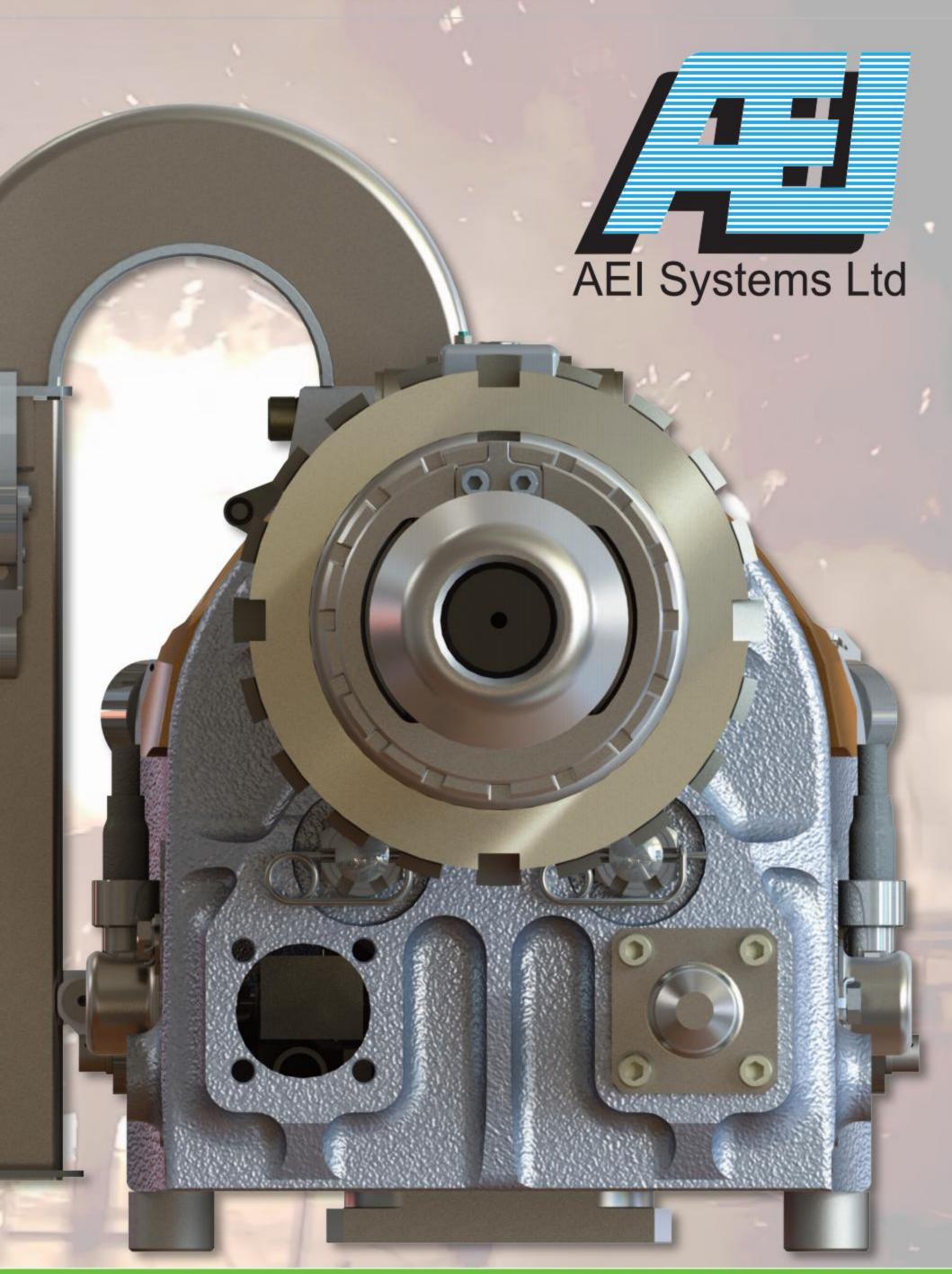
average radio lifetime

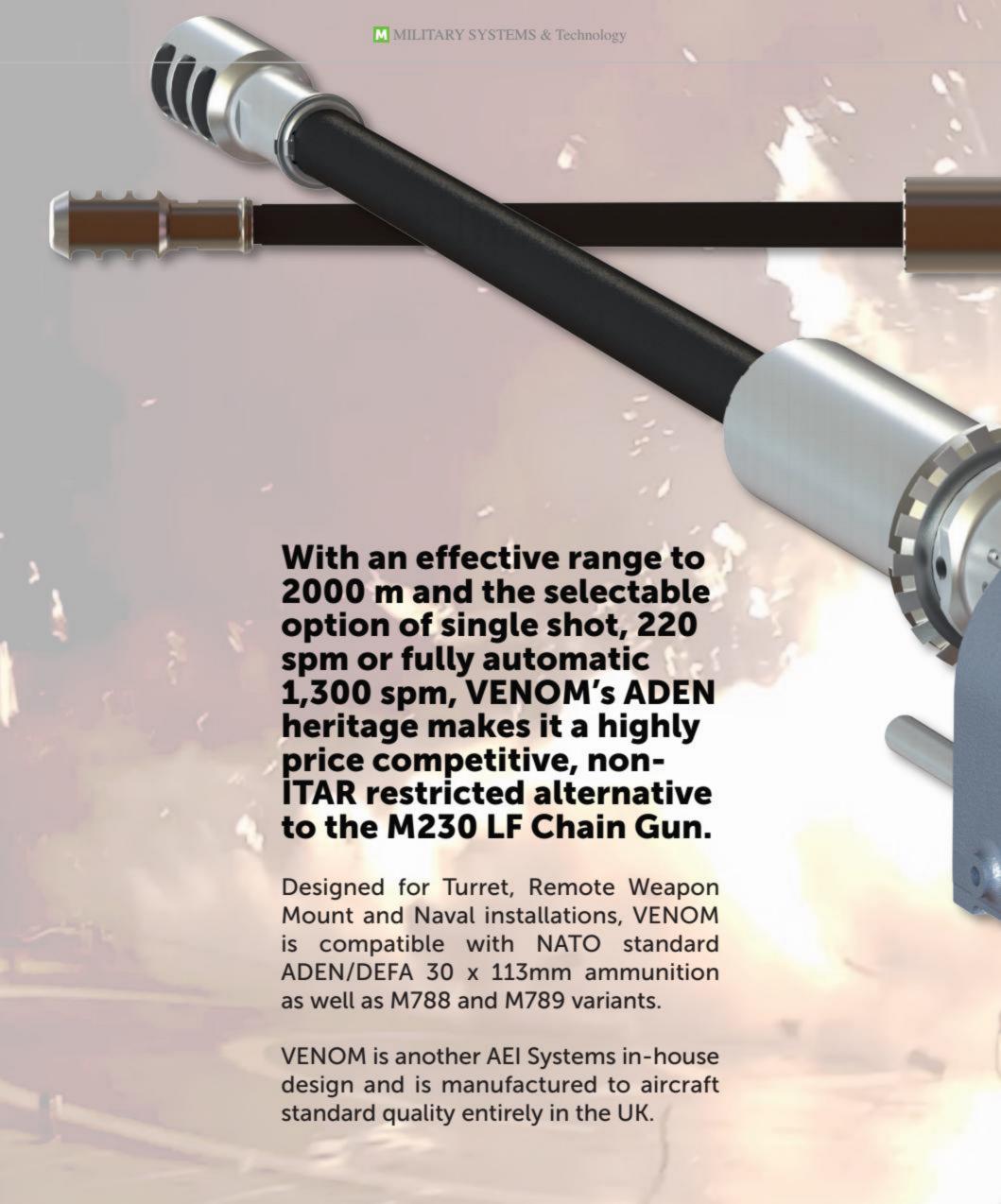


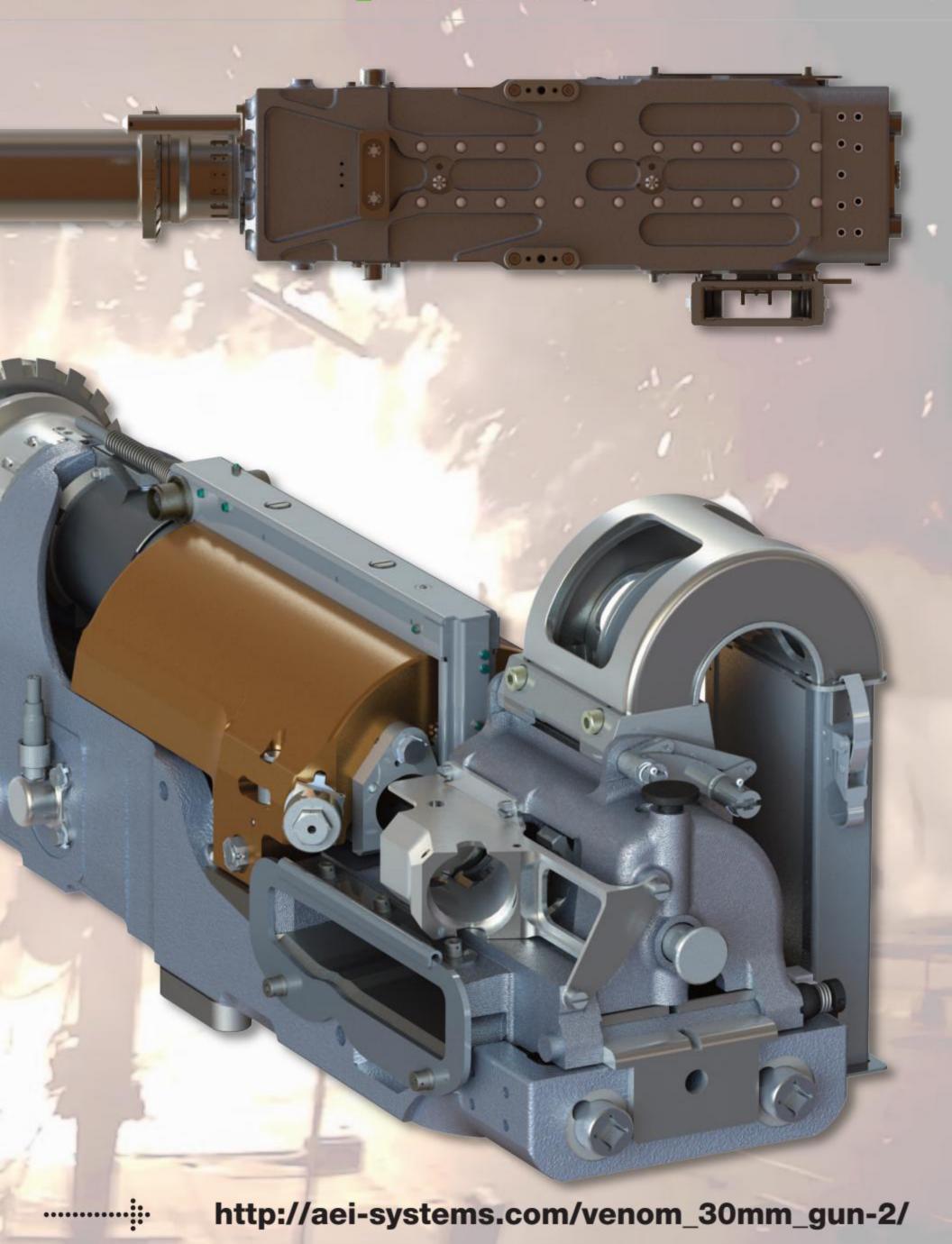
VENOM is a derivative of the world famous ADEN 30mm and is a gas operated, electrically primed revolver gun.

Configuration is similar to ADEN but with a lengthened barrel for optimised velocity, a muzzle brake for reduced recoil and a barrel aligned recoil buffer for improved accuracy.

30 x 113 mm Gun









- > FLAT AMBIDEXTROUS SLIDE STOP AND MAGAZINE CATCH
- > NEW "DEGREE" OF RESISTANCE AGAINST CORROSION AND MECHANICAL DAMAGE
- > ENHANCED FRONT AND REAR SERRATIONS FOR FAST AND RELIABLE HANDLING

	FRAME	GRIPS	TRIGGER	SIGHTS	OVERALL LENGTH (MM)	BARREL LENGTH (MM)	HEIGHT (MM)	WIDTH (MM)	WEIGHT (G)	SAFETY FEATURES	
CZ P-10 C	POLYMER	873	STRIKER FIRED DOUBLE ACTION	LUMINESCENT OR TRITIUM	187	102	132	32,2	760	TRIGGER SAFETY; DROP SAFETY # 1 STRIKER BLOCK; DROP SAFETY # 2 TRIGGER BAR SAFETY	
CZ P-10 C FDE	POLYMER	-	STRIKER FIRED DOUBLE ACTION	TRITIUM	187	102	132	32,2	760	TRIGGER SAFETY; DROP SAFETY # 1 STRIKER BLOCK; DROP SAFETY # 2 TRIGGER BAR SAFETY	







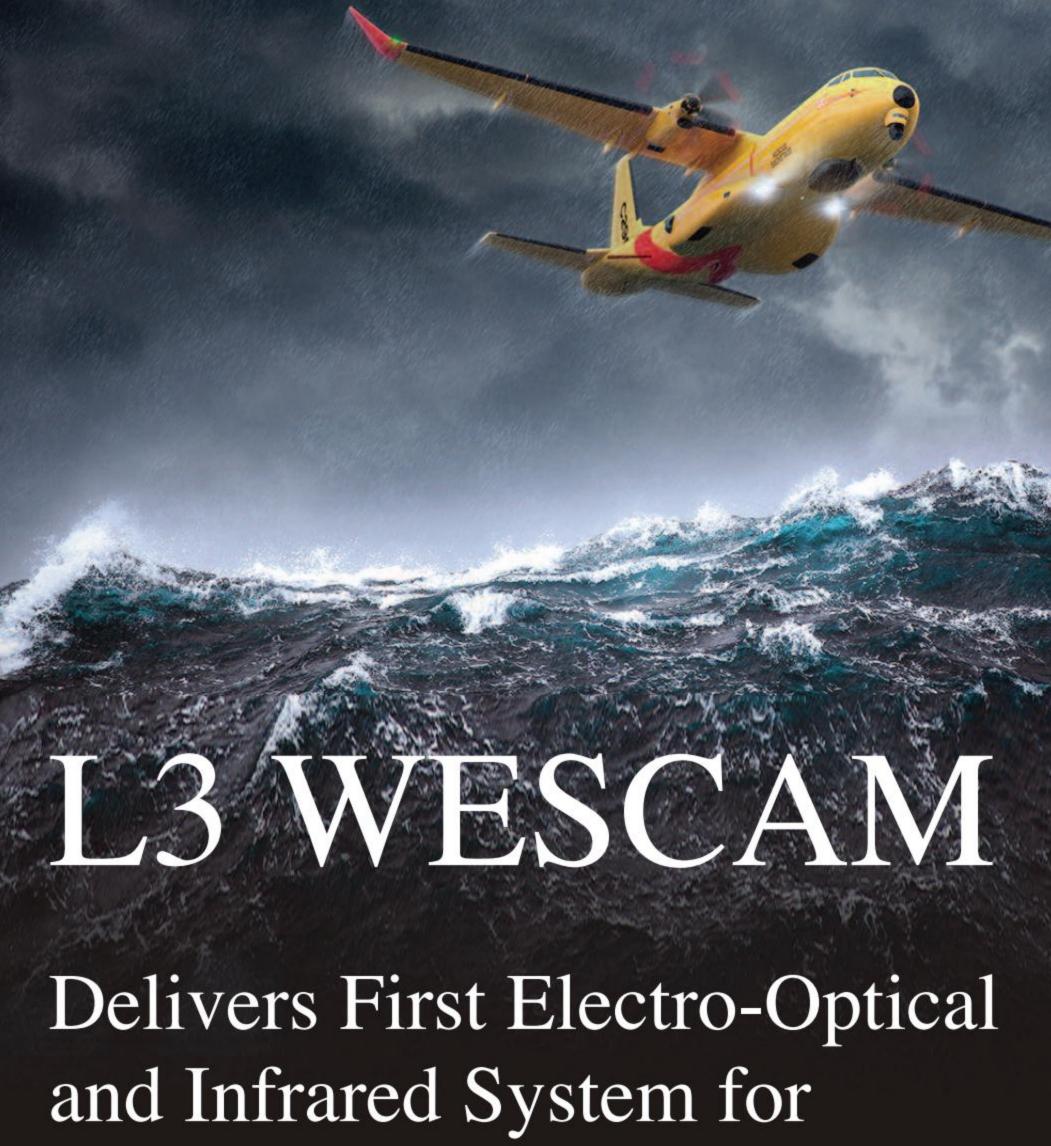




CZ BRE 2 5,56x45 MM NATO 30 7,62x39 MM 30 TRUSTED SIONALS BY PROFESSIONALS

- > MULTI-CALIBRE CONCEPT
- > EXTREME RELIABILITY AND DURABILITY UNDER ALL CONDITIONS
- > HIGH ACCURACY AND SERVICE LIFE
- > LOW WEIGHT AND COMPACT DIMENSIONS FOR FAST AND COMFORTABLE HANDLING
- > AMBIDEXTROUS CONTROLS FOR OUTSTANDING ERGONOMICS
- > SHORT STROKE PISTON SYSTEM

	CALIBER	MAGAZINE CAPACITY	FRAME	BARREL LENGTH (MM)	LENGTH OF WEAPON WITH STOCK FOLDED/UNFOLDED, RETRACTED-EXTENDED (MM)	HEIGHT WITHOUT MAGAZINE (MM)	WIDTH OF WEAPON WITH STOCK FOLDED/UNFOLDED (MM)	WEIGHT WITHOUT MAGAZINE (G)
8"	5.56x45 mm NATO	30	ALUMINIUM	207	505/684-733 ± 10	202 ± 5	80/104 ± 5	2891 ± 50
11"	5.56x45 mm NATO	30	ALUMINIUM	280	577/762-807 ± 10	202 ± 5	80/104 ± 5	2986 ± 50
14-	5.56x45 mm NATO	30	ALUMINIUM	357	657/840-884 ± 10	202 ± 5	80/104 ± 5	3103 ± 50
9"	7.62x39 mm	30	ALUMINIUM	227	525/706-753 ± 10	202 ± 5	80/104 ± 5	2847 ± 50
11"	7.62×39 mm	30	ALUMINIUM	280	573/755-802 ± 10	202 ± 5	80/104 ± 5	2896 ± 50
14"	7.62x39 mm	30	ALUMINIUM	357	650/833-880 ± 10	202 ± 5	80/104 ± 5	3009 ± 50
	11" 14" 9" 11"	8" 5.56x45 mm NATO 11" 5.56x45 mm NATO 14" 5.56x45 mm NATO 9" 7.62x39 mm 11" 7.62x39 mm	8" 5.56x45 mm NATO 30 11" 5.56x45 mm NATO 30 14" 5.56x45 mm NATO 30 9" 7.62x39 mm 30 11" 7.62x39 mm 30	8" 5.56x45 mm NATO 30 ALUMINIUM 11" 5.56x45 mm NATO 30 ALUMINIUM 14" 5.56x45 mm NATO 30 ALUMINIUM 9" 7.62x39 mm 30 ALUMINIUM 11" 7.62x39 mm 30 ALUMINIUM	8" 5.56x45 mm NATO 30 ALUMINIUM 207 11" 5.56x45 mm NATO 30 ALUMINIUM 280 14" 5.56x45 mm NATO 30 ALUMINIUM 357 9" 7.62x39 mm 30 ALUMINIUM 227 11" 7.62x39 mm 30 ALUMINIUM 280	CALIBER MAGAZINE CAPACITY FRAME BARREL LENGTH (MM) WITH STOCK FOLDED (MM) 8" 5.56x45 mm NATO 30 ALUMINIUM 207 505/684-733 ± 10 11" 5.56x45 mm NATO 30 ALUMINIUM 280 577/762-807 ± 10 14" 5.56x45 mm NATO 30 ALUMINIUM 357 657/840-884 ± 10 9" 7.62x39 mm 30 ALUMINIUM 227 525/706-753 ± 10 11" 7.62x39 mm 30 ALUMINIUM 280 573/755-802 ± 10	CALIBER MAGAZINE CAPACITY FRAME BARREL LENGTH (MM) FOLDED/UNFOLDED, FOLDED (MM) WITHOUT MAGAZINE (MM) 8" 5.56x45 mm NATO 30 ALUMINIUM 207 505/684-733 ± 10 202 ± 5 11" 5.56x45 mm NATO 30 ALUMINIUM 280 577/762-807 ± 10 202 ± 5 14" 5.56x45 mm NATO 30 ALUMINIUM 357 657/840-884 ± 10 202 ± 5 9" 7.62x39 mm 30 ALUMINIUM 227 525/706-753 ± 10 202 ± 5 11" 7.62x39 mm 30 ALUMINIUM 280 573/755-802 ± 10 202 ± 5	CALIBER MAGAZINE CAPACITY FRAME BARREL LENGTH (MM) LENGTH OF WAPPON WITH STOCK FOLDED/UNFOLDED, MAGAZINE FOLDED/UNFOLDED (MM) WEAPON WITH STOCK FOLDED/UNFOLDED (MM) 8" 5.56x45 mm NATO 30 ALUMINIUM 207 505/684-733±10 202±5 80/104±5 11" 5.56x45 mm NATO 30 ALUMINIUM 280 577/762-807±10 202±5 80/104±5 14" 5.56x45 mm NATO 30 ALUMINIUM 357 657/840-884±10 202±5 80/104±5 9" 7.62x39 mm 30 ALUMINIUM 227 525/706-753±10 202±5 80/104±5 11" 7.62x39 mm 30 ALUMINIUM 280 573/755-802±10 202±5 80/104±5



and Infrared System for Canada's Fixed-Wing Search and Rescue Program



Configured to Effectively Support a Search Area of 18 Million Square Kilometers

L3 WESCAM announced today the successful delivery of its first MXTM-15 electro-optical and infrared (EO/IR) system to Airbus Defence and Space in support of Canada's Fixed-Wing Search and Rescue (FWSAR) aircraft replacement program.

The on-time delivery of L3's MX-15, the first of 20 planned deliveries, is a significant milestone as the Canadian Department of National Defence (DND) begins to replace its legacy SAR aircraft, the CC-115 Buffalo and CC-130H Hercules, and the technology within.

"L3 is proud to partner with Airbus on this much-anticipated Canadian program — as it really hits close to home for WESCAM and its large base of Canadian employees," said Matt Richi, President of L3 WESCAM. "The aircraft and the technologies that support this program have been referred to as 'game-changers' for Canada, and we couldn't be happier to be a key system in the overall solution."

L3 WESCAM's work with Airbus on this program is an ideal example of the Industrial and Technological Benefits Policy benefiting Canadian industry by requiring successful bidders on major defence contracts to reinvest the contract value in Canada.

Simon Jacques, head of Airbus Defence and Space Canada, said, "Thanks to the efforts of Canada's high-performing aerospace companies like L3 WESCAM, the

27

FWSAR program is making excellent progress. We're delighted to be working with them and very satisfied to see this latest milestone being reached on time."

Canada has a search area of 18 million square kilometers, making time-critical SAR operations challenging. The high-sensitivity sensors and advanced GEO and intuitive technologies within the MX-15 will provide SAR operators with exceptional day and night visual capabilities, despite atmospheric interference, and will operate with detection and identification ranges that will help to shorten search grid patterns and on-scene search times. L3 WESCAM is a world leader in the design and manufacture of stabilized, multi-spectral imaging systems. To learn more about L3 WESCAM, please visit the company's website at www.WESCAM.com.

OXLEY

Oxley Appoints Astute as German Distributor

Oxley Group has appointed Astute as its master distributor in Germany. Astute will represent Oxley across the high specification electronic components range, this includes LED indicators, interconnect, EMI filters, EMI filtered connectors, assemblies and planar arrays.

Electronics specialist Astute is based in Munich and serves leading OEM & EMS companies with both active and passive components. The Astute team are procurement specialists, offering customers technical support as well as accompanying services such as obsolescence management. Astute has an impressive record in the aerospace and defence sector working with key customers throughout Germany, the wider Astute group has over 30 years' experience in the industry and a 160 strong team across 9 countries.

Garry North, Oxley Group CEO, commented: 'Germany is a key market for Oxley. We're delighted to partner with Astute as this will ensure our customers in Germany receive the best possible service in terms of product expertise, design support and delivery.'

Marcus Seitz, Astute GmbH General Manager, added:

'Astute is delighted to represent Oxley on its range of high specification components, there is a clear synergy between Oxley and Astute in terms of the sector we operate within and the technical solutions we offer. Quality is very important to Astute and we believe that the Oxley product range offers both quality and value for our customers.'



EYESIN SPACE LIDAR ENABLED BY EXCELITAS

NASA will launch another space mission: GEDI (Global Ecosystem Dynamics Investigation – pronounced Jedi).

It is designed for high-resolution laser ranging of the Earth's forests and topography on the International Space Station (ISS), and is expected to produce about 15 billion cloud-free observations during its nominal 24-month mission length.

The GEDI instrument is a geodeticclass, light detection and ranging (LiDAR) laser system comprised of three lasers that produce 10 parallel tracks of observations. It delivers 3D surface measurement data, which enable us to better understand how the Earth behaves as a system and guides the actions we can take to sustain critical resources. It addresses key challenges in a variety of scientific areas, including forest management and carbon cycling, water resources, weather prediction and topography and surface deformation. For this mission, Excelitas Canada provided several hybrid receivers using the very best avalanche photodiodes. This will enable scientists to quantify the changes in vegetation density from the International Space Station by measuring the waveform of the light signal after it travels approximately 400 km through the atmosphere! The group had the chance to meet with the NASA team from the Goddard Space Flight Center in Greenbelt, Maryland, to review this space mission.

Excelitas are also known in the Space sector for their solar cell coverless and OSRs (Optical Solar Reflectors) along with Rubidium Atomic Frequency Standard (RAFS).

Coverglass is designed to protect the photovoltaic solar cells of satellites from the harsh environment of space. It is manufactured from ultrathin ribbons of glass produced in North Wales (UK). One of the only facilities in the world producing this type of glass specifically for the space industry, supplying almost 90% of the worlds' satellites"

OSRs are used for the thermal control of spacecraft on the sunfacing sides of satellites to reflect

incoming solar radiation while simultaneously radiating internallygenerated heat. OSRs are used in most major satellite programs for both civilian and military applications in Europe, USA and Japan.

RAFS technology was developed specifically for mission critical GPS space applications. With world class stability and low drift combined with the small size, low weight, and power advantages, the Excelitas RAFS is recognized as an enabling technology for global positioning, navigation and timing systems onboard satellites.

EXCELITAS
TECHNOLOGIES®

Guartel Technologies signs the Armed Forces Covenant COVENANT



Guartel Technologies, a global leader in the design, manufacture and servicing of specialist mine, cable and IED detectors, has signed the Armed Forces Covenant.

The Armed Forces Covenant is a promise from the nation ensuring that those who serve or who have served in the Armed Forces, and their families, are treated fairly.

The event took place on Wednesday 3 October at Lincoln's Inn Army Reserve Centre, London. Guartel Technologies, which supplies the Defence Industry globally, has, for over 35 years, been a market leader in the design and manufacture of specialist detectors for use in CIED, Search and EOD operations. Guartel's products are in-service with the UK MoD, police forces, UN, NGOs, NATO and other military forces world-wide.

The Covenant was co-signed by Major General Ben Bathurst, General Officer Commanding London District, on behalf of the Ministry of Defence.

Following the signing, the London Ballet Company gave a moving performance of a specially adapted WW1 piece, entitled Poppy.

Paul Gaston, Director of Guartel, stated:

"Signing the Armed Forces Covenant today simply confirmed an ethos, practice and conviction we have all had since the incorporation of our company. The words of the Covenant resonate loudly with us all."

Guartel also financially supports The Explora Foundation, which was established in 2011, to provide academic scholarship support to the dependents of members of the UK Armed Forces and Security Services who have lost their lives, become seriously injured or permanently disabled in the service of their country. The Foundation aims to develop and extend the knowledge and practice of physical protection to reduce the risks to those in government service in the future as well.

One recipient of an Explora
Foundation scholarship, who
attended the event, is Captain Dave
Henson, ex-Royal Engineers. Dave is
currently studying for a PhD in
Bioengineering at the Imperial
College London.







SWORD COMPANY LIMITED

Established in April 2013, Windlass Sword Company
Limited is the UK division of Windlass Steelcrafts, the only
company in the world producing every pattern military
sword, scabbard and lance in current use by the three
arms of the British Armed Forces.

Windlass Steelcrafts is an ISO 9001 accredited company founded in India in 1945. It now employs over 400 staff, manufacturing swords, scabbards, lances and related



products. It's plant, which has been audited and approved by the UK Ministry of Defence Quality Department, produces every British pattern sword, scabbard and lance in strict accordance with the latest UK MoD specifications. It is now the only sword company in the world producing every part of all of it's products, using traditional methods, in it's own factory.

Having previously supplied its products through an independent UK agent, in March 2013 Windlass Steelcrafts decided to open Windlass Sword Company Limited, it own sales and distribution company in the UK. Heading up the company is Malcolm Ordever, the former General Manager of Wilkinson Sword, with over 40 years experience in the sword industry. As one of the country's



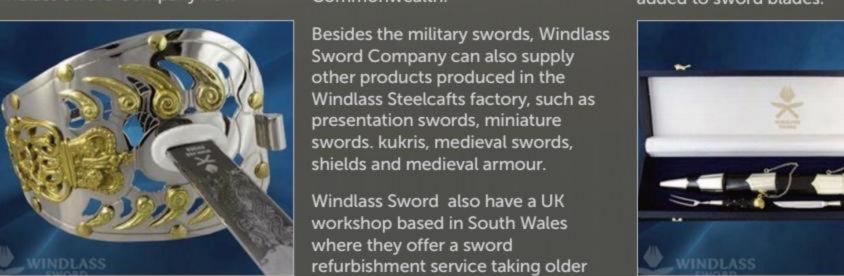


swords, he is very happy, if required, to give advise to officers on regimental/corps sword regulations. Windlass Sword Company now

related accoutrements to every arm of the British Armed Forces as well as to officers and defence departments in Europe, Asia and the Commonwealth.

workshop based in South Wales where they offer a sword

At this workshop they also offer a full engraving service where regimental / corps crests, family crests and personalised inscriptions can be added to sword blades.



BALLISTIC INSTRUMENTATION & LIVE-FIRE TRAINING EQUIPMENT

Established in 1972, MS Instruments is a leading innovator in the design and manufacture of ballistic instrumentation and live-fire training equipment for ground and air training. Working with the expertise of our wholly owned subsidiary, Wiltshire Ballistic Services (WBS), we can provide proven, rugged and well-built products for most internal and external applications. Used by governments, Armed Forces and manufacturing companies worldwide, when combined with our leading edge software, our instrumentation delivers flexible and individually tailored solutions.



Live Fire Ground Target Training

Our equipment can be used indoors or out and is rugged, reliable, highly accurate, flexible, easy to use and configure, and can run different training combinations simultaneously. The system produces instantaneous results wirelessly to the firer or instructor on a firing point monitor, enabling rapid analysis and improvement of performance. This information is also available at a central range controller for analysis by the Range Officer or stored for future use. Our systems are in service throughout the world in a variety of different environments. The system uses acoustic scoring technology, meaning there are no false recordings from stones and debris. Larger scale versions are available for tank gunnery training using heavy duty targets and lifters and like their smaller counterparts can be made to pop-up and down, fall when hit and move on rails.

Live Fire Air to Ground Target Training

We also supply systems for training and assessing the performance of a pilot in the air-to-ground strafing and bombing role. Using Windows®-based software, the strafe system records details of the pilot, aircraft type and



registration, stores type and attack profile. It produces instantaneous results that are relayed back to the control tower which can then be passed onto the pilot and recorded for later detailed analysis. Like the ground training system, it uses acoustic technology to reduce false triggers. The bombing system is semi-automatic and consists of two sighting quadrants that are used to triangulate the fall of the bomb. An operator logs the angular measurement which is then sent by UHF link to the tower where the software displays the bomb position on screen to be relayed to the pilot. Both systems have been designed to be realto-life and have been in service with



the Royal Air Force for well over 15 years.

Ballistic Instrumentation Projectile Velocity Measuring System (PVMS)

Our comprehensive range of instrumentation can be used to measure all the ballistic parameters of subsonic and supersonic projectiles. Our sensors can be connected either by cable or wirelessly to a single Range Processor, be it a standard PC or laptop. By using GPS to locate every event, in both time and space, the information recorded is extremely accurate. The company provides its own BallisticsDB software giving full control and diagnostics of the connected equipment as well as data warehousing and statistical analysis capabilities. The system is Windows®based for ease of operation. Our Projectile Velocity Measuring System (PVMS) can measure velocities extremely accurately to within 0.02% in bright or low light conditions and has been sold around the world. We can provide all the equipment required to create an entire test range to customer requirements.

Automated Flight Follower (AFF) System

Where normal ballistic instrumentation is not enough, and for a more detailed analysis of the flight of a projectile, MS Instruments has developed a fully Automated Flight Follower system (AFF).

This was developed to meet the high speed imaging needs of modern ammunition designers and manufacturers. The system allows the user to see quickly any flaws within the ammunition that would otherwise be invisible, saving time and further costly trials. The images produced are so

detailed that you can actually see the supersonic shock wave being created by the projectile.

The system uses a high speed camera (the model of which can be specified by the customer) and computer controlled rotating mirror programmed to rotate at the correct speed such that the camera will follow the projectile in flight. The dedicated analysis software is able to record velocity, drag correction, trigger delay and is also able to calculate and show even minor yaw and pitch variations.

Forensic Weapon Testing and Analysis

MS Instruments' equipment can be used for forensic investigations to identify weapon or ammunition performance in forensic cases and to train officers in recognising shot patterns. We provide equipment for ballistic gel analysis for both evidence gathering purposes and the study and demonstration of the effects of a projectile on body tissue. We also supply the software to deliver accurate analytical results, and the necessary equipment to make up ballistic gel to exacting standards. Our projectile velocity measurement systems (PVMS) and strawboard imager can assist in weapon and ammunition identification and for gathering information on characterisation of fragment size,

energy and distribution. Information gathered can help determine lethality of a projectile and provide crucial evidence in a case.

Our forensic equipment is in service with police forces and forensic laboratories throughout the UK.

Nimbus Non-Lethal Vehicle Protection System

Nimbus comprises a series of covertly fitted pyrotechnic devices that are fired from within the vehicle to distract, disorientate and deprive attackers of any advantage. Using smoke, sound and airburst units, the system gives the edge back to the inhabitants of the vehicle. Completely controlled from within the vehicle, it provides an effective countermeasure by creating a dense smoke screen, while sound and flashbang units disorientate the attacker(s), scattering any shots fired. These units can be deployed individually, as a single bank on either side or all at once. Nimbus can also incorporate a tracker that can alert the home base or mobile phone device that the system has been fired, giving an exact location anywhere in the world, enabling appropriate action to be taken.

Ballistic Testing

Our wholly owned subsidiary, Wiltshire Ballistic Services (WBS), has been undertaking ballistic trials in its dedicated ballistic test facility for almost 30 years. It offers a secure indoor firing range and is completely independent from any armour or weapons manufacturer.

Further information can be found on the WBS page here www.militarysystemstech.com/wiltshire-ballisticservices-ltd





The leading manufacturer will showcase its lighting innovations for the safety of professionals

Peli™ Products, the global leader in design and manufacture of high-performance case solutions and advanced portable lighting systems, presents at Expoprotection (Hall 1 - Aisle P • Booth 077), its wide range of products for the Safety of professionals working in Oil & Gas Refineries, Offshore Platforms, Fire Brigades, Mining, Petrochemical, Pharmaceuticals or other high-risk industries. At the show Peli will present the following novelties:

PeliTM 3345Z0 with Automatic Light Sensor that automatically adjusts brightness

It has a mind of its own. The Automatic Light Sensor in the PeliTM 3345Z0 examines the ambient light/proximity and instantly adjusts its lumens to the most effective level. Now you can you read pressure gauges close up or throw light hundreds of meters away - without hassling over manual power settings.

The Automatic Light Sensor also makes the Peli™ 3345Z0 one of our most energy efficient torches, preserving power and stretching battery life. Plus, the secondary flood beam illuminates potential trip hazards like loose cables, while the primary spot beam brightens long tunnels. The integrated clip can be mounted to a safety vest for hands-free lighting. With the ATEX Zone 0 (Cat. 1) safety certification and a full-time battery level indicator, you can work in hazardous areas with peace of mind.

3415MZ0 ATEX certified, the versatile torch with magnetic clip

The 3415MZ0 is the ultimate Zone 0 (Category 1) ATEX safety-certified compact work light. It generates over 336 lumens, providing up to 15 hours of runtime as well as a beam distance of up to 135 meters. Driven by only 3AA batteries, the 3415MZ0 is equipped with both a spot and flood LED. This allows for close-up as well as distant lighting needs. The articulating head and built in clip provide hands-free and handheld options so you can direct the light wherever is needed. It also includes an integrated magnet that can be hold anywhere expanding its hands-free applications, making it a truly multi-task torch designed to bring great value to your lighting needs.

9455Z0 RALS, the first and only RALS with safety certifications for global use

The 9455Z0 RALS is the safest product in its category thanks to its three global safety certifications: The European ATEX Zone 0 (Cat. 1), IECEx ia and North American CI, D1. All of them make it the perfect choice for working in high-risk industries, regardless of the location in the World. The 9455Z0 is a compact 7,3 kg portable area lighting system, easy to hand carry and to set up. Its powerful LEDs radiate 1.600 lumens in high and 800 in low with a run time up to 10 hours. The system offers a wide beam spread of 125° of clean energy that illuminates the entire area preventing workplace injuries. It features a telescoping mast that extends to 80 cm and a 360° articulating light array.



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 (antimaterial rifles) in four calibres, namely the 12,7x99mm, the 14,5x114mm, the 20x82mm and the 20x110 Hispano. In addition to this, the Truvelo APR (antipersonnel 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).

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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 1800 m.

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

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).

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 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.

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.

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



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Harmgton Internation

The Telecoms - Resilience - mission critical – military - rail - power specialist

Architect of competitive technical power solutions.
Continually faced with increasingly complex solution challenges from a variety of industry segments that share common traits for mission critical power systems.

HGI's reputation in energy security and continuity is built on trust HGI have forged a solid reputation within industry as a result of high-performing products that ensure operational efficiency and power resilience in extreme environmental conditions posed within defence, telecoms and rail sectors.



The companies overarching goal is to provide competitive technical power solutions. HGI excel in supplying unrivalled power products that deliver essential power, while maximising customer's investment.

HGI's products lay at the heart of:

- Communications, command and control systems
- Mission services and support
- Protection and mission / combat systems
- Surveillance, detection and intelligence systems
- Training & Simulation
- Reconnaissance, Surveillance, Targeting Acquisition (RSTA)

Using in house expertise in these areas, HGI develop prime power and standby power products to interact seamlessly with others.HGI maintain a competitive advantage by acting as design authority in complex and critical power projects, by continual developing and customising technical solutions while utilising appropriate engineering processes. Continual research into emerging technologies and assessing applications within new and existing products ensures an unrivalled innovative product range.

HGI develops strong partnerships with platform manufacturers in order to propose an optimised, solution .Platforms and vehicles are increasingly sophisticated and tighter budget constraints are driving a new modular approach in manufacturing by taking standard products and adapting sets quickly and efficiently to meet customers' demands.

The MOD and industry audited manufacturing facilities demonstrate commitment to quality. Operating paralleled lean production lines ensures superior product quality and enables a quick response to urgent

Generators 11 (HGT)



operational requirements. With a core belief that working in highly skilled cross functional teams makes the company more creative and productive when faced with a challenging new task and ensures every product shares the same DNA.

HGI capabilities extend from the supply of product/mission packages, to full system integration with existing legacy equipment and platforms according to the customers' needs together with support services.

Our power systems are a Key component within

- C4ISR: Computerised Command, Control, Communications, Intelligence, Surveillance and Reconnaissance Allowing the entire chain of command to take advantage of all-source intelligence rapidly, to inform commanders on time with relevant content, to share a common tactical picture, to support decision making, to disseminate commander's intent, to synchronise operations, day and night, in all-weather conditions,
- Cross border security Our solutions allow our tier one clients to efficiently monitor borderlines,

improve reaction time from detection to interception, match the diversity of threat natures and levels and optimise deployment and usage of the different human and technical resources.

- Telecoms / resilience power systems Our power enables the ability to obtain, gather, process and distribute information effectively which is key to gaining and maintaining our countries operational efficiency.
- Military Land operations are quickly evolving, and land forces need new information, communications and operational tools. HGI supplies the power systems that help the world's most demanding land forces to gain and to maintain operational superiority.
- Rail As one of the few generator manufacturers in the UK carrying Network Rail approvals, HGI is in a unique position to meet the need for safe, solid and reliable equipment, designed and built to withstand the demands and dynamics of the rail environment both on-board and trackside. We have closely partnered the UK's rail infrastructure managers and maintainers to provide





generators, distribution equipment and warning systems designed to make life easier and safer for the user to promote availability of the route and associated assets. With 93% of Network Rails infrastructure fleet carrying HGI power on board which is currently powering a £38 billion programme of upgrades to the network.

• BSDG black start The process of restoring an electric power station or a part of an electric grid to operation without relying on the external transmission network. During a widearea outage, off-site power supply from the grid will not be available. In the absence of grid power, a HGI BSDG set is used to bootstrap the power grid into operation. The sets are used to start larger generators (of several megawatts capacity), which in turn are used to start the main power station generators.



Milan Box Corporation manufactured boxes at crates since 1927.

The company expanded into military ammunition boxes during the Second World War, and now provides wirebound, wooden containers and boxes for ammunition, fuzes, grenades, artillery munitions, rockets, explosives and missile components.

Our military wirebound and nailed wood boxes are made to fit BWAY ammo can dimensions.

Throughout our history, Milan Box has maintained its excellent reputation as a high quality manufacturer of plywood and wood packaging.

Our customers include Ensign Bickford, ATK, Raytheon, General Dynamics, Picatinny Arsenal, United Defense, Pine Bluff Arsenal, Olin, BT Fuze, Federal Cartridge, DZI, and many others.

Milan Box is an approved US government SBA Hub Zone Qualified small business and currently it hopes to acquire more FMS customers (involved in the Foreign Military Sales program supported by the US government).



Main Military Box List all made to U.S. Government Specifications:

Wirebound Boxes: Wood Boxes:

M2A1 GMLRS
M19A1 105mm
PA108 Bradley Armor Tile
40mm Striker Armor Tile
60mm Mortar Hydra 70
81mm Mortar M67 Grenade Box
120mm Mortar

Milan Box Corporation manufactures a range of military products made to the following United States Government/Mil specifications:

MIL-DTL-2427 MIL-B-15011 MIL-DTL-46506 PPP-B-585 PPP-B-587 PPP-B-601 PPP-B-621



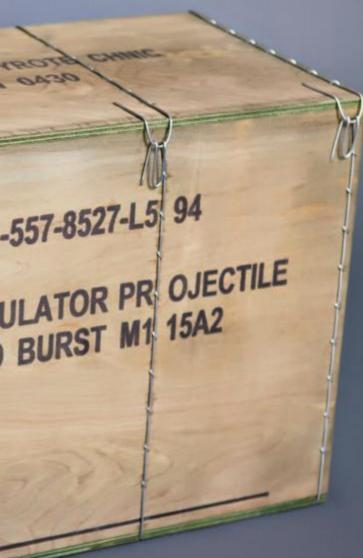
Military Wirebound Ammunition Containers

Milan Box Corporation's wirebound containers offer maximum protection, withstand rough handling, permit high stacking, occupy less cube, have a low tare weight, and keep packaging costs low.

Our M2A1 wirebound plywood container is used for the 5.56mm, 9mm, 45cal and 7.62mm cartridges. It is manufactured according to military specification designated PPP-B-585D. It is one of the most popular types used by the US Army and Marines, is

M





Nailed Wooden Container Boxes

The M6 reactive armor tile wooden container is available in several versions, including the M3, M4, M5 and M7, all designed to package various sizes of armor tiles for the Bradley Fighting Vehicle. Similar wooden containers will be used to package armor tiles for the new Stryker Amphibious Vehicle.

These containers are built to military specification designated Mil-B-2427 per drawing number 12590330.

Our wooden fuze box container is used for mortar and artillery fuzes and plastic cord explosives. It is manufactured according to military specification designated Mil-B-2427. It is one of the most common types used by the US Army and Marines and comes in various larger sizes.

Pricing normally includes various military markings prescribed by the customer.



per military drawing 7553347, and includes a special heat treatment and a preservative treatment.

Pricing normally includes various military markings prescribed by the customer and is largely governed by the availability of materials and quantities ordered.

Plywood Ammunition Containers

Our 120mm mortar plywood container is designed to hold two rounds, and is manufactured according to military specification designated Mil-B-46506. It is a popular type also used by international munitions manufacturers. It can be heat treated and preservative treated. It comes with two fiber-tube inner containers.

The TOW missile plywood container is manufactured according to military specification designated Mil-B-46506.



This container represents an integrated packaging effort to source various components including barrier bags, separators, foam inserts and corrugated pieces required per the military drawing.

Milan Box has also manufactured a similar missile box for the Stinger Shoulder Fired Missile.

Integrated Military Packaging Systems

In an effort to better serve our customers, Milan Box Corporation works in conjunction with United Ammunition Container, Inc, a packaging supplier for the armed forces, to provide a one-stop source for your complete packaging needs, including inter-pack requirements.

Whether requiring fiber containers, wooden boxes, wirebound boxes, or specialty skids, this association provides for customers' requirements.



TSS is proud to anno

its participation as exhibitor at the ausymposium in Rotterdam.

Keep reading below for some of the Armour Mobility products and developments on display on stand 4.220

We have been supplying runflat systems to the Dutch MOD for many years, including the Boxer, Fennek and the MB G-class. To enable the end-user to install runflats and change tyres during the mission, we also supplied a complete mobile workshop container and trained the operators for safe use. The latest development is a 2000kg payload rim and runflat combination which meets the FINABEL-standard.

Our shock mitigating mats from Skydex help drastically reduce the impact of an IED on the feet of the vehicle's occupants.

Another TSS specialty is protecting the fuel tank by applying a self-sealing and flame retardant coating.

All our quality products are essential to assure mobility during mission critical operations.

Questions? Please contact: sales@tssh.com or visit us at the NIDV Symposium.

(https://www.nidvexhibition.eu/en/home-2/)

www.TSSH.com







Hesco welcome a new partnership with Michael Coates and Declassified, a successful podcast which documents amazing stories from members of the military community.

As the series enters Season 2, Ross Thompson, Hesco Brand Director, when asked why this collaboration is important, said, "Hesco are dedicated to bringing people home from the most dangerous and hostile environments and we have a duty of care to our armed forces and their families to support projects that break down the stigma around mental health. The Declassified podcast not only documents important life changing stories, but also raises

awareness of PTSD and gives a platform for discussion with hope of helping others."

So far Declassified has taken an honest and frank look at the issues facing current and former service men and women.

Michael Coates, creator of Declassified, a former fire fighter and solider, has seen positive results from the conversations on and around the show, "By declassifying stigmas and perceptions we wish to open up issues around mental fitness and wellbeing, talk in depth around subjects such as post traumatic growth and delve into human development on a micro level. We are already helping individuals, as seen in responses online and from those who have contacted me directly"

Michael plans to produce an online mental wellness resource and signposting service for those needing to take the first step towards help, or gain advice on caring for a loved one.

Michael Coates, "Our long-term vision is to provide hope, guidance, support and help for individuals who are suffering from both mental and physical illness or injury."

The Declassified Hesco Collaboration will carry these important messages forward to a wider audience.



ABOUTUS

Much more than just a directory...



Military Systems and
Technology has been
established for over 10 years.
It serves the International
Defence Industry providing a
valuable source of information
on Industry News & Product
Development.

Hundreds of International defence companies already work with us. We receive daily the latest articles, press and editorials from global defence manufacturers, contractors and SME'S.

We have grown into a very well known and established organisation that for years has a proven track record of working with defence companies, raising their brand awareness, distributing their press and ultimately producing new business enquiries.

Concurrent Technologies launches PP B7x/msd, a new 6U Compact-PCI[®] computer board based on the Intel[®] Xeon[®] processor E-2176M.



This 6-core processor provides a significant performance improvement compared to the 4 and 2-core processor variants used on the previous generation 6U CompactPCI board and is available for standard and extended operating temperature environments.

PP B7x/msd offers a high degree of backwards compatibility with the previous four generations of CompactPCI processor boards from Concurrent Technologies, making it easy for existing customers to extend the life of their deployments based on this form factor.

capability, PP B7x/msd includes enhanced storage options and improved digital graphics outputs. Direct attached storage options include a SATA Flash drive module, a 2.5-inch SATA drive and an M.2 module which utilizes PCI Express® connectivity and NVMe support for higher performance. PP B7x/msd supports two PMC/XMC modules for local I/O expansion providing comprehensive functionality within a single slot. The board can operate in system controller, peripheral or satellite modes within the CompactPCI backplane.

PP B7x/msd is fitted with a TPM 2.0 device as standard and supports a range of security features associated with the UEFI BIOS and modern operating systems. It is available with a range of optional capabilities to enhance security during both the development and deployment phases. PP B7x/msd is the most secure CompactPCI product offered by Concurrent Technologies, benefiting from the same technology and techniques employed by the company on other product ranges such as VPX™.

The N-Series variant of the product supports an operating temperature range of 0°C to +55°C for relatively benign applications. It is possible to use other variants of the board in more extreme operating environments: E-Series (-25°C to +70°C) and K-Series (-40°C to +85°C, including humidity sealant). Initial board support packages are available for both Linux® and Windows®, optional support for other operating systems such as VxWorks® will be made available based on customer demand.

Glen Fawcett, CEO of Concurrent Technologies, commented:

"This is the third product that we have launched based on the current generation of processor device from Intel which is expected to be available for 15 years. One of our key value propositions is to support our existing customers; this particular product was conceived following several requests to continue to meet critical program needs with a product capable of higher levels of security and a long life-cycle."



CONTACTUS

For further information and friendly advice...

www.militarysystems-tech.com

Military Systems & Technology is a web portal designed for the International Defence & Aerospace Industry. It is a source of daily information for Manufacturers, OEM'S, System Integrators and Contractors. We have MOD and Government Readers. The portal encompasses all aspects of Military equipment, technology, design and services.

We welcome any enquires and are always happy to discuss individual requirements.

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The Defence Suppliers Directory

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