MILITARYSYSTEMS

S T E C H N O L O G Y



MAKING THE WORLD A SAFER PLACE

SURPLUS AND OBSOLETE SMALL ARMS AMMUNITION DESTRUCTION

In the new global economy many Armed Forces are downsizing to reflect the budgetary constraints of their respective countries. This brings with it surplus items which, because of the reduction in the number of personnel, are put into storage until a suitable method of disposal is found. High on the priority list is ammunition of all types and nature. Small Arms Ammunition (SAA) accounts for a large percentage of any military organisation's arsenal. It also contributes significantly to the stockpile of surplus, obsolete and shelf life expired ammunition.

EOD Solutions Ltd in conjunction with CALDO engineering have developed the Transportable Ammunition Destruction System (TRADS) to destroy SAA in an environmentally responsible manner. There are two systems available, the TRADS 40 and the TRADS 20, both of which employ ceramic filtration backed up with a catalytic filter to ensure complete cleaning of the gases. Recent improvements have allowed the system to clean the gases even more efficiently to comply with EC Emissions Directive 2007 and the USA Environment Protection Agency guidelines - one of the most stringent in the world.

Both systems are constructed in ISO 20 foot container frames to allow sea and air freight delivery and vehicle transportation. The frames also allow for ease of maintenance and observation during ammunition processing. The TRADS 20 system shown here is designed to undertake medium and small-scale destruction of SAA where the ammunition is dispersed in different locations.

TRADS 20 will destroy a minimum of one and a half tonnes of ammunition per day. The system destroys all SAA and their secondary effect components except high explosive rounds and is completely enclosed to make it safe for the end user.



TRADS 20 utilises a furnace that allows small quantities of ammunition to be destroyed and then emptied into a bin for further processing such as Free from Explosives Inspection. It can then be filled again with the next batch of ammunition. Because this system is enclosed it means that the destruction process and the emptying is a continual cycle, automatic and completely safe for the operators.

EOD Solutions Ltd has recently manufactured the TRADS 20 and 40 for a client to operate in Afghanistan. The TRADS has proven itself in the most arduous of conditions over a two-year period during which time the system destroyed all types of SAA up to and including 14.5 mm ammunition.

It requires no infrastructure as electrical power and compressed air are built into the system. It can be positioned on site and can be working within 36 hours requiring only diesel fuel to begin operations. TRADS 20 is the ideal system for disposing of disbursed stockpiled SAA at an affordable cost.

www.eodsonline.com

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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.

CONTENTS





PRODUCTION & DISTRIBUTION MILITARY FIELD CATERIN & MEDICAL EQUIPMENT

B Medical Systems is an international company based in the Grand Duchy of Luxembourg, right at the heart of Europe. The company is ISO TS 9001:2008 and ISO 14001:2004 certified. B Medical Systems has achieved an impressive track record of growth with around 150 employees.



business areas in military markets:

- Production and distribution of military field catering equipment (Food & Beverage **Equipment Division**)
- Production and distribution of cold chain equipment, freezers and refrigerators for the medical sector (Medical Systems Division)

Military Field Catering Equipment

B Medical Systems offers a wide range of catering equipment for military and other outdoor activities. The FIELD CATERING EQUIPMENT programme includes insulated transport food containers, field refrigerators & freezers and insulated food & beverage containers already sold to and appreciated by various Armed Forces worldwide.

Insulated Food Containers for Fresh and Frozen Food **Transports**

B Medical Systems offers a wide range of rugged military insulated containers for the transport of fresh or frozen food. These units are so well

B Medical Systems covers the following 2 insulated that they can accommodate transport of fresh or frozen goods for up to two days by non-refrigerated trucks. Different capacities are available from 13 to 1000L.

Military Field Refrigerators and Freezers

New developments in the area of field refrigeration include AC, DC and AC/DC field refrigerators encased in solid, rotational moulded, insulated cabinets.

They are dedicated to integration in containerized kitchens, shelters, barracks or tents to maintain perishables in good and safe conditions. Several capacities are available to provide the best possible choice depending on deployment conditions. Additionally, Dometic refrigerators and freezers can be used as transport refrigerators when dedicated batteries or electrical connections are made available on the transport vehicle.

Models RF-400, RF-650 and RF-1000 are new and robust compressor driven refrigerators and freezers for intensive use for catering, industrial and military applications. They are equipped with an automatic defrosting system and have a removable cooling system to allow quick repair or replacement operations.

Model R-120 is a mobile 136L capacity compressor driven refrigerator for transport and interim storage of food preparations, dairy products and other perishable products. CF-850 VAN models provide low cost flavour of food preparations or beverages. alternatives to traditional van conversion.

Robust Insulated Food and Beverage Containers B Medical Systems robust food and beverage containers have outstanding insulation performance to withstand the most rigorous climatic conditions. All containers are portable

and stackable and are constructed of solid Gastronome-compatible insulated food carriers plastic. Most of proposed models have a stainless steel inner liner or pan for a most hygienic solution that will not alter the original

Models GB-3 and GB-6T are insulated beverage dispensers; these are the most technologically advanced insulated beverage dispensing containers available on the market.

Models GB-7 and GB-7 Compact are ideal

with enhanced portability.

Models GB-18 and GB-24 are front door opening Gastronome-compatible insulated containers for transport and interim storage of food preparations.

Model GB-24 PLUS is a superior food carrier equipped with a thermoelectric system that maintains temperature of warm or cold food preparations much longer.

Model GB-10 is an insulated container including a 24L cooking pot for soups and semi-solid food preparations.

B Medical Systems: The Comprehensive Medical Refrigeration Solution

The ultramodern range from Dometic Medical Systems comprises blood, pharmaceutical and laboratory refrigerators, freezers, ultra-cold freezers (to -86°C) and transport boxes. Sensitive medical items such as vaccines, blood and blood components, temperature-sensitive pharmaceuticals, tissues and biological samples are stored in the appropriate optimum conditions without any risks. Different sizes and specifications of equipment are available to offer the most appropriate solutions

Blood Chain Boxes for Blood Transportation

B Medical Systems RCB blood boxes are specially designed to meet the requirements of field conditions for military tasks as well as for civil aid organizations. These guarantee safe transport of temperature-sensitive supplies such as blood and blood products, plasma, blood samples and pharmaceutical products. Made of rotomoulded polyethylene, these













transport boxes offer excellent mechanical resistance, as proven by drop tests, and are not subject to corrosion. They are perfectly suited to intensive use, with frequent handling under difficult climatic conditions. The polyurethane foam injected between the double walls of these boxes ensures perfect insulation and thus preservation of the quality of blood, blood products and pharmaceutical products even over long periods of transport. Used with frozen icepacks or also wet ice for some versions, they are fully self-sufficient with respect to the ambient environment and therefore ideal for all transport stages.

The icepacks the boxes require as their source of refrigeration are frozen in a supplementary device specially designed for this purpose (MT 900).

The boxes RCB 4 B - 25 E offer different gross volumes (2,2 l - 44 l) and transport capacities (1- 40 blood blags). The RCB 42 P is a thermo stabilizer designed for storing and transporting long periods of time. The refrigerating unit operates with nearly all types of electricity (DC/AC). The RCB 42 P ensures mobility and The B Medical Systems Solar Generator kit is provides all the services of a blood bank unique. It is a pre-assembled system that only refrigerator.

All boxes are in conformance with ADR RID (2008/68/EC), IMDG (2002/84/EC) and ICAO-TI / IATA-DGR.

Solar Direct Drive Close co-operation Refrigerators humanitarian aid of forces and companies

B Medical Systems has developed a comprehensive storage and transport concept to suite all stages of the Cold Chain even under difficult climatic and technical conditions.

The Solar Direct Drive solution consists of three large capacity refrigerators working on solar panels. It uses the energy source that never runs dry: our sun! Contrary to most of the existing

pre-cooled blood and medicinal products over systems, no more batteries for back up are needed.

> needs to be opened and adjusted to work. It connects to the refrigerators TCM40SDD, TCM2000 or TCM3000 by quick connector. Its packing is at the same time its body which is rotomoulded.

with prestigious humanitarian aid organizations, armed

- WHO, UNICEF, USAID, JICA, the International Red Cross, Aid Agencies, NGOs,...
- Military customers (US Marine Corps, US Army, UK Special Forces, German Army, Belgian Army, Algerian Army, Moroccan Army...)
- And Governments









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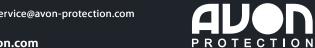




The Avon MPPAPR is the latest generation CBRN PAPR to provide wearers with significantly less user burden, increased cooling effect and integrated hydration option. The first flexible-bodied, modular PAPR is designed to be easily integrated with a wide range of protective equipment.

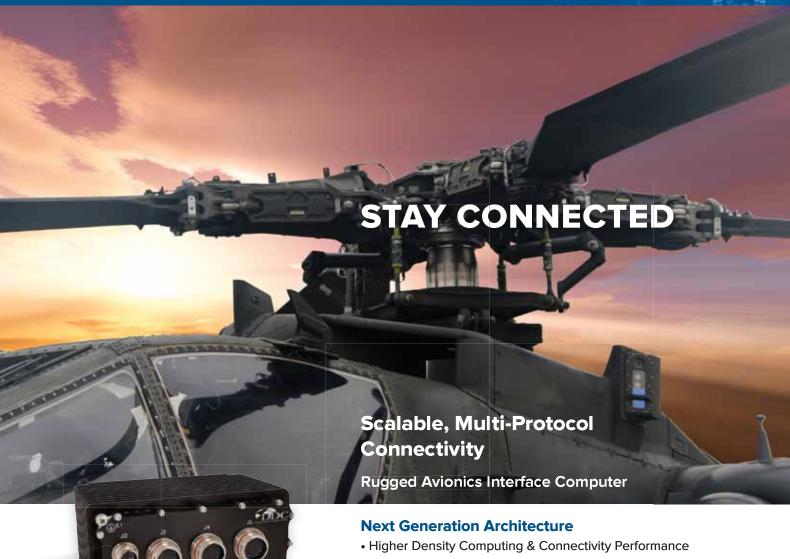
- S-Shape Crush proof hose technology
- Remote mask power switch option
- Multiple hot-swap battery options
- Intelligent constant flow control







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- MIL-STD-461F EMI

Multi-Protocol Flexibility

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- 3 modes (Remote Access, Protocol Conversion & Standalone)

Configurable: (1) XMC/PMC & (2) Mini-PCle sites







To learn more, visit www.ddc-web.com/AIC-R/MST



Blue Wolf is a top recognized leader in the design, engineering, and manufacturing of lighting products used in commercial, military, and marine applications worldwide. With over 50+ years of design and manufacturing experience.



Blue Wolf's expanding global client base includes Rotor and Fixed wing aircraft, Emergency services aircraft, Industrial applications, marine underwater lighting applications, Military Land, Air, and Sea vehicles.

NIGHT VISION LIGHTING

Blue Wolf's high strength, 60601-T6 aluminum made LED Night Vision lighting products, are MIL-STD-3009 NVIS compatible for use with NVG Goggles or any military night vision application requiring NVIS compatible LED lighting. Our NVG upgrade products, whether

they're used in NVIS modifications or for new add-on lighting, offer superb light output for all interior lighting and cargo bay area illumination needs. Products are offered in other colors, regular standard white light, other NVIS options, as well as IR lighting.

Some Blue Wolf LED Lighting Options include:

- Pod Lighting
- Utility and Cargo Bay lighting
- Round and Rectangular Dome Lighting
- Flexible Map Lights
- Post Cap Lights
- Step Lights







HEAVY DUTY MILITARY VEHICLE LIGHTING

Blue Wolf's Heavy Duty Land vehicle lighting products include a 254mm long Flexible Gooseneck Map Light with a MIL-STL-D38999/20 connector for easy power connection. With a 0 to 100% dimming, this Map light provides exceptional light output utilizing 20 LED's while providing the end user with tactile feedback on the dimming knob during adjustment.

Some Highlights of the BW-A125 Map Light:

- 28 Vdc @100 mA
- Operating temp -40 to 50 Degrees C
- Overvoltage, transient, and reverse polarity protection
- Constant light output during any 18 to 34 Vdc swings
- NVIS, WHITE, IR, and other color options
- MIL-STD-810G
- MIL-STD-3009 NVIS white compatible LED lighting
- Impossible to over torque or break dimming knob due to mechanical stops
- IP67 rated.

Blue Wolf's Round Dome light is small in size and shape with a 3.5" diameter and only 0.490 "thick. This light is capable of providing 0 to 100% light output through a third PWM input wire and is perfect for general use lighting and/or cargo bay lighting. This light can be customized with lead lengths, connectors, and various color options.



Some Highlights of the BW-A210 Round **Dome Light:**

- MIL-STD-810G
- MIL-STD 361F (CE102, RE102)
- IEC61000-4-2
- 28 Vdc @100 mA (0 to 100% thru PWM input)
- Operating temp -40 to 50 Degrees C
- Overvoltage, transient, and reverse polarity protection
- Constant light output during any 18 to 34 Vdc swings
- NVIS, WHITE, IR, and other color options
- MIL-STD-3009 NVIS white compatible LED lighting
- IP67 rated

UNIVERSAL POD and POST CAP LIGHTING

During any NVG or NVIS lighting upgrade or addition, it is necessary at times to provide additional interior cabin or instrumentation lighting that is NVIS compatible. Blue Wolf's line of small Pod and Post cap LED products provide plentiful options for any lighting configuration. They're designed using



desired. (Many voltage options are available)

DUAL MODE NVIS PWM LIGHTING

Blue Wolf's DUAL Mode NVIS 4 inch pod lights is fully rotatable thru 320 degrees, can be fixed in place, and can be fully dimmed from 0 to 100% through a 3rd wire PWM signal.

One half of the light provides NVIS compliant lighting while the other half provides standard WHITE lighting. Each side of the light can be independently turned ON or OFF as desired. With 10 LED's on each side, the light output is also fully dimmable from 0 to 100% through a single PWM control wire that controls both sides of the light. Having two options for lighting in a single lighting fixture help to reduce costs, installation time, and over all maintenance. No wires seen with this light as they all pass through the end mounting rugged aluminum so they won't break if cap to present a nice, clean, and accidentally hit and they are available in ergonomic panel mount lighting product. other NVG, or standard color options if Additionally, this light is specifically







designed to provide a "constant level" of light output during any voltage swing from a 18 to 32 Vdc. Do you need a custom designed light? See our Engineering Section.

UNDERWATER LED LIGHTING

The TITAN is the latest, highest quality 316 stainless steel underwater LED light. This nine LED configuration marine light produces an output of 2,637 lumens, making it one of the brightest underwater LED lights on the market today. The TITAN was designed for permanently submerged offshore vessels, and boats used in coastal marine environments and/or industrial underwater lighting applications. Available in different color options, IP68 rated and depth tested to 200 ft.

We also have complete underwater LED dock lighting kits for any needed • Printed Circuit board design (PCB) permanent or temporary underwater led lighting application needs. Available for Freshwater and Saltwater • applications, our LF5 Series of underwater LED lights are capable of running off of 24 VAC or 24 VDC. The system is an easy plug and play series for upt to 14 lights.



ENGINEERING AND CUSTOM DESIGN

Blue Wolf can carefully evaluate the nature of your request, including objectives, budgets, goals, timelines and overall expectations. Blue Wolf then provides a solution-based plan that ensures your mechanical, electrical, or prototyping needs are effectively integrated to produce a highly functional and operative product. Our vast experience enables us to tailor this process to several applications and we are confident that we can assist you with your request.

With over 50+ years of Engineering and Manufacturing experience, Blue Wolf can assist with almost any custom design project. We provide a broad range Product Engineering and Prototyping Services. This includes Mechanical and Electrical Turn-Key design services such as:

- Mechanical Machine Design
- 3D Modeling drawings
- Electrical Schematics
- Automation Equipment
- Microprocessor firmware design
- BOM and production documentation
- **Pre-Production Prototypes**
- Complete Production ready Print packages
- 3D Printing (ABS and PLA)

solutions are innovative and economical, while at the same time being based on industry knowledge and key manufacturing processes. There is always a solution.







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- NGOs
- Academia
- National Infrastructure
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Why exhibit:

- Be part of a global marketing campaign in the promotion of the event
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- Access key decision makers in emerging markets
- Engage directly with end users and specifiers
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- Gain key insights into policy and procurement strategies in the region
- Take advantage of numerous speaking and networking opportunities

For Sponsorship or exhibition opportunities please contact

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Spaces are limited – book today to secure your place!

Nonte

DEVELOPMENT & MANUFACTURE OF INNOVATIVE APPLIED OPTOELECTRONIC SOLUTIONS

Founded in Oulu (Finland) in 1982, the NOPTEL
Company specializes in the development and manufacture of innovative applied optoelectronic solutions. Noptel's product line encompasses two major areas: Laser rangefinders and optical alignment and displacement measurement products.



NOPTEL employs thirty persons and has been a subsidiary of the Belgium-based FN HERSTAL since 2011. Today, NOPTEL's expertise as a key player in developing military qualified and military proven optoelectronic applications is well established.

Noptel Shooting **Training Device**

The Noptel Expert is an optical shooting training device for shooting skills training. It is used indoors with scaled-down targets and simulated shooting distances, or at shooting range with life-size targets and longer shooting distances. It measures rifle movement, detects the shot, shows the location of both the hit and miss, and analyses the shooter's performance. The Expert software shows the rifle movement during the aiming and triggering, and the score right after the shot.

- Fully portable: training anywhere and anytime
- Ready to use in minutes
- Mounting to most rifles
- Immediate shot analysis and feedback by Noptel Expert software
- Wireless operation
- Rugged Construction, indoor and outdoor use
- Training at simulated distances
- Training at long distances (shooting range)
- Always safe: no life ammunition Noptel Long Distance Range Finding

The compact, eye safe and highly integrated laser rangefinders can be used as OEM products in different applications.

- Airborne, land, maritime and naval systems
- Vehicle mounted reconnaissance systems
- Observation and surveillance systems
- Handheld targeting systems
- Future soldier program equipment
- Fire control systems
- Mobile range finding
- Location measurement

Noptel rangefinders can be delivered as open modules or in nitrogen-filled, watertight casings enabling flawless operation under harsh environmental conditions. The robust hand held devices measure distances beyond 10 km.







Greenray's New T1241 TCXO



Ultra-low g-Sensitivity *and* Low Phase Noise for Mobile and Airborne Apps.

Greenray Industries' new T1241 TCXO has been designed for use as a reference for those military and instrumentation applications that require ultra low G-sensitivity and reliable, superior phase noise performance in high vibration and shock sensitive environments.

The T1241 is available from 50 to 100MHz and delivers reduced acceleration sensitivity down to 7×10^{-11} /g of applied acceleration force. Typical phase noise is -155 dBc/Hz (@10 kHz).

The T1241 features a rugged, SMT package and supply voltage of +3.3 or +5Vdc. EFC for precise tuning or phase locking apps is standard. Input current for the T1241 is 30mA max.

For more information about our full line of high performance oscillators, visit Greenray online at www.greenrayindustries.com.

T1241 TCXO



Frequency Output Phase Noise Aging 50 - 100MHz Squarewave, CMOS -155 dBc/Hz (@10 kHz) ≤1.0 ppM/year .68 x .68 x .20 in.



For Industry, for Defense. Greenray.

Greenray's New YH1485 OCXO





Ultra-low Phase Noise Reference for Mission Critical Apps.

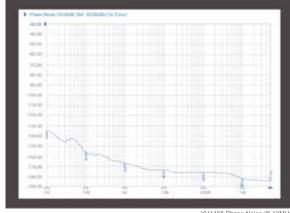
Greenray Industries' new YH1485 OCXO is designed for use as a reference for radar, instrumentation, and military applications that require very low phase noise in order to optimize system sensitivity.

The ultra-low phase noise YH1485 delivers phase noise performance below -180dBc/Hz and excellent short and long term stability for reference requirements.

The YH1485 features a 1" square hermetic package and supply voltage of +15 or +12Vdc. Optional reduced acceleration sensitivity down to 3×10^{-10} /g in the worst axis – is also available to satisfy high shock or vibration environments and improve performance.

For more information about our full line of high performance oscillators, visit Greenray online at www.greenrayindustries.com.

See for Yourself:

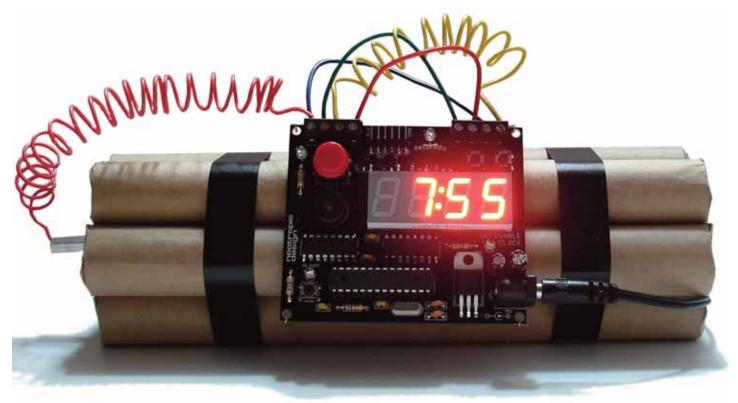






For Industry, for Defense. Greenray.

Introducing the IFIED; the evolution of Improvised Explosive Device training aids



IED. Improvised Explosive Device. Explosion. Detonation. Destruction.

These are just a few words which cause fear and panic into the vast majority of populations, not only in the United States, but around the world. IEDs have been around for centuries but only recently, in the past 15 years, have they become common prose in conversations. Since the invention of black powder people have been making bombs. From the first recorded terrorist

attempted to blow up Parliament , to the first recorded bombing in the United States in 1905, consistent in modern warfare, showing only a

Today, it is not a question of "if" a soldier or first responder will encounter an IED; it is a matter of "when". There are many different ways to train, prepare and guard against these threats. Realistic training is the best method available. To be able to train with the best tools, advanced techniques, and training aids which resemble and function similar to those one might encounter on a real mission, bring the training value to a level that will prepare personnel

plot in 1605, in England, when Guy Fawkes mentally and physically for the tasks they will encounter.

IEDs have played a significant role throughout Since 1999, Explotrain has provided blast history. These types of terrorist attacks utilizing simulators for realistic training on multiple improvised explosive devices have become platforms. From handheld capabilities to resounding explosive simulations comparable pattern of growth and increased sophistication. to artillery, Explotrain has remained faithful to their name. During the past year, Explotrain has expanded the scope of their training to coincide with the existing blast simulators. Inert Functional Improvised Explosive Devices (IFIED™s) are designed and built by Explosive Ordnance Disposal technicians for realistic training scenarios. These devices are based on real-world IEDs from both domestic and international incidents. The IED training aids can be triggered by various methods; from a basic victim-operated pressure plate to a complex

time, command, and environmentally initiated

The Inert Functional Improvised Explosive Device (IFIED) branch of Explotrain provides upto-date training aids which interface with the blast simulators, but also function as standdevices to maximize training effectiveness. IFIEDs are versatile when it comes to training scenario diversity. Because the possibilities and types of IEDs are only limited on the imagination of the builder or visionary, the variety of training aids Explotrain offers can be tailored to meet specific needs. Whether an urban overseas (OEF/OIF) device, jungle-based (South/Central America) devices, or highly sophisticated devices mimicked after previously used IEDs in the United States, there is a little bit of everything to choose from when designing a training plan. Hone skills on a hostage vest or refresh muscle memory with various types of victim-operated devices. The capabilities of Explotrain's devices are not limited by standard IED conformity. The ability to create new types of IED training aids with which an EOD operator can train and develop new tactics to counter emerging threats is the ultimate objective.

The IFIEDs are not limited to training just Explosive Ordnance Disposal technicians, but are effective training tools for any person who may encounter improvised explosive devices or booby traps. Some of these types of personnel can include, but are not limited to, police officers, engineers, emergency medical technicians, SWAT, firefighters, infantry, heavy equipment operators, special operations, and more. IEDs are not only an overseas threat, but also domestically, such as the Boston Marathon bombing in 2013 and as many clandestine labs for drugs and explosives are a danger to any first responders.





The stand-alone capability of any IFIED relies on an audible alarm built into the circuitry of each device. If the IFIED is triggered by any of the switches for a particular device, the alarm will sound, indicating the IED would have detonated. Alternatively, the option of integrating any of the simulators is done by means of Explotrain's X-CAP[™] blasting cap simulator. The X-CAP allows the device to interface with any of Explotrain's blast simulators, wirelessly, up to 100 meters line-of-sight. Multiple simulators and devices can also be used simultaneously. These capabilities and features allow the instructor to seamlessly train multiple individuals or teams during the same cycle. X-CAPS are virtually indistinguishable from real electric blasting caps in length, diameter and overall visual aptitude. They are used in-place of an inert or dummy blasting cap with no additional wiring required, making integration into any IFIED a quick and efficient upgrade.

The value of having an Explotrain IFIED and blast or incident. simulator combination for training is based on the evidence provided as feedback. Many accounts of EOD technicians and first responders suggest the impact an explosive

simulation has over the traditional buzzer penalty. The realism of Explotrain's IFIEDs eliminates the unnecessary components often incorporated into traditional training aids. Students and personnel will not second guess what is viewed on an x-ray, making the IFIED training aids a "you see what you see" and not a "that's not part of your problem." When the reactions to a blast simulator versus a buzzer alarm are, "Damn! That will make them pay attention", the perspective is emphasized exponentially. Students and personnel often become complacent during training. Some students and personnel do not take training seriously and thusly become lax with repetitious incidents. When Explotrain's IFIEDs and simulators are added to the training plan, the "training is, without a doubt, being taken seriously." The ability to create psychological training scars students will remember may keep them and their teammates alive if a similar situation is encountered on a mission, response,



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IFS supports Affinity in UK MOD Military Flying Training System

IFS Applications 9 and IFS Managed Cloud on Microsoft Azure to support Affinity Flying Training Services managing aircraft maintenance for pilot training as part of wider £1.1 billion UK Ministry of Defence investment into modernisation of fixed-wing military flight training.

is valued at approximately £1.2 million for the with maintenance, repair and overhaul (MRO) and ERP software for the business as an end-toand maintenance, supply chain, HR, and finance.
Affinity will provide a fixed-wing training aircraft
and maintenance to support UK fixed-wing

help support a more modern and efficient





About IFS

IFS™ is a globally recognised leader in developing and delivering enterprise software for enterprise resource planning (ERP), enterprise asset management (EAM) and enterprise service management (ESM). IFS brings customers in targeted sectors closer to their business, helps them be more agile and enables them to profit from change. IFS is a public company (XSTO: IFS) founded in 1983 and currently has over 2,800 employees. IFS supports more than 1 million users worldwide from its network of local offices and through a growing ecosystem of partners. For more information visit: www.ifsworld.com.

IFS aerospace and defence industry director Graham Grose said, "We are delighted to have been selected to be part of this important £500 million MOD and Ascent Flight Training investment for fixed-wing training. The solution provides Affinity with a powerful and easily deployed service to streamline the maintenance process of aircraft and to focus on training the future generation of military aircraft pilots. By using the solution, Affinity can maintain the aircraft and prepare future UK aircrew for duty, as well as making sure strict airworthiness and safety standards are met alongside the running of the business from day to day with traditional finance, HR and procurement."

About Affinity

Affinity supports UK military air capability by playing a key part in the seamless progression of pilots through flight training. Under a landmark partnering program with Ascent and the Ministry of Defence, Affinity supplies and supports three fleets of aircraft within the UK Military Flight Training System (UKMFTS). We support a training pipeline that is more modern, effective and efficient. As a result, UK military aircrew will be better prepared for duty. Through technical advancement commercial innovation, we deliver aircraft to match the training needs of the next generation on the frontline. www.affinityfts.co.uk.



IN STOCK AND READY **FOR ACTION**

NEW PELI-HARDIGG™ V-SERIES RACK MOUNT CASES

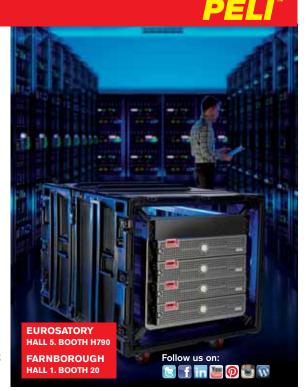
Gearing up for a critical mission? Now you can get pro-grade rack mount cases straight away. Peli-Hardigg V-Series Rack Mount Cases are fully shock mounted with square-hole face frames for hanging equipment fast, or use the included clip nuts for ultimate protection. Available in two models: The Classic-V and the Super-V, with up to 13 unit sizes from 3 U to 14 U and 24" (61 cm) or 33" (83 cm) lengths.



PELI-HARDIGG" 33" (83 cm) RACK MOUNT CASE

Peli-Hardigg UK Case Center: Hardigg UK Ltd Unit 4, Brookfield Industrial Estate Leacon Road Ashford Kent TN23 4TU (UK) Tel +44 (0) 1233 895895 EMEA headquarters: PELI PRODUCTS, S.L.U.

C/ Provença, 388 Planta 7 | 08025 | Barcelona, España | Tel +34 93 467 4999 | www.peli.com





www.staubli.com

The new Stäubli VSU-38L connector is specially designed for all types of fuelling applications (diesel, kerosene, etc.) and for cooling of electronic equipment. Designed for fuelling applications and large electronic cooling systems, the new Stäubli VSU-38L connector is exceptionally compact and light. The connections are of symmetrical design for easier handling, a drain function and many standard or optional safety/security features on opening and closure of valves. Stäubli provides conformity or material traceability certificates on request.







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- · Civil Applications Automotive, Satellite Tracking
- Space Applications
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SPINNER designs and builds cutting-edge radio frequency systems, setting performance and longevity standards for others to follow. Many of today's mainstream products are rooted in SPINNER inventions. Headquartered in Munich, Germany, the global frontrunner in RF components remains the first choice in simple-yet-smart RF solutions.

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The Future in sharp focus for Qioptiq





Innovation is a key attribute of the success of Qioptiq. With world class capability in design, coupled with international award winning achievement. Qioptiq demonstrated repeatedly an ability to convert technical innovation into producible costeffective designs. This year at Eurosatory we will be once more demonstrating this capability.

We will show a number of advanced products including the new range of Thermal continuous zoom cameras to service the ground vehicle, border surveillance and anti-aircraft markets. HADES is the latest ruggedised solution for challenging long range requirements with a rapid, continuous zoom function allowing surveillance of vast areas. PanthIR is a 10:1 continuous zoom camera for mast mounted surveillance and remote weapon station applications. CougIR is a 6:1 continuous zoom camera for targeting and short range surveillance. PumIR is the next generation of dual field of view zoom lens assemblies, compatible with the latest generation of 17µm and 12 µm uncooled focal plane arrays. Designed for use with all commonly used sensor engines.

We will also have our latest dismounted sighting solutions. KITE IN LINE is an in-line Image Intensified weapon sight designed for use in military environments and exceling in the night vision 'clip on' market due to an unrivalled combination of optical performance, size and weight. SAKER is a high performance in-line fused weapon sight combining image intensified and thermal imaging technologies to deliver enhanced 24 hr capability.

We will also show a spread of capability in sensing and detecting including the HARLID High Angular Resolution Laser Irradiance Detector. The Excelitas' HARLID™ platform is designed for use in Laser Warning Receiver Systems to detect and provide precise angleof-arrival (AoA) information from direct and indirect scattered light from laser range finders, target designators, and active laser Electro-Optic (E.O.) systems.

Craig Taylor, Qioptiq, commented: "Capturing technological developments and successfully exploiting them is not a new concept. However, what is important is constantly considering new opportunities and adapting our approach. In a changing market, what's important for our customers is our ability to deliver world-leading products that are effective, efficient and adaptable."





DESIGN | DELIVER | SUPPORT

Image Intensified | Thermal | Fused - Sighting Solutions

DRAGON - Uncooled Thermal Imagers













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 Fully ruggedized equipment utilising the latest technology

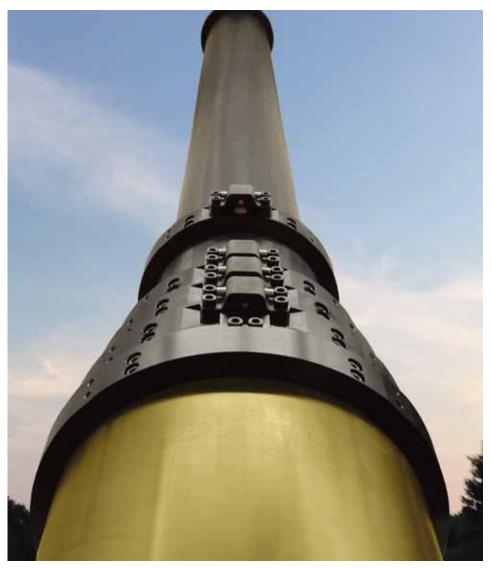
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The Will-Burt Company Introduces Stiletto® AL at Eurosatory 2016





Stiletto AL is an extremely stable and compact alloy mechanical telescoping mast for critical sensors and antennas.

The Will-Burt Company, the world's leading manufacturer of mobile elevation solutions, will introduce the Stiletto® AL electro-mechanical telescoping mast at this year's Eurosatory exhibition June 13 – 17.

The product's debut will be in Paris, France at the USA pavilion stand D578.

The Stiletto family of electro-mechanical The MIL-STD 810 compliant Stiletto AL was telescoping masts are known to provide superior pointing accuracy and stability along with high payload lifting capability. The Stiletto and Stiletto HD are lightweight due to the use of composite materials in their construction and have been used in military and commercial • Minimal mast twist with energized keyway applications around the world for a number of years. The new alloy constructed Stiletto AL delivers the same precise pointing accuracy and payload management capabilities as the Stiletto composite mast and is wellsuited for military • and commercial applications.

"The desire to deliver unparalleled performance with a cost-effective elevation platform drove the creation of Stiletto AL," said Jeffrey O. Evans, President, CEO and Chairman of The Will-Burt • Heights from 4 to 15 meters Company. "The feature set we have been able to incorporate into this telescoping mast appeals to a broad customer base, both in commercial and military markets, and is capable of meeting a wide variety of critical program • requirements."

designed with several innovative features.

- Does not require guying and is selfsupporting with high-strength alloy construction
- guides
- Low wind deflection delivered with constricting wear bands
- Quiet operation from a DC motor driving an environmentally sealed direct-drive system
- High payload lifting capacity up to 158 kg with patent pending automatic quiet locks
- Reduced maintenance from a clean air filter system that prevents dirt from entering mast
- Easy and precise operation with integrated PC controls





