Reactive Skin Decontamination Lotion (RSDL) – www.RSDecon.com – a patented, broad spectrum skin decontamination product intended to remove or neutralize chemical warfare agents or T2 toxin from the skin, leaving a non-toxic liquid that can be washed away with water. Deployed in both Gulf Wars, RSDL has been adopted by several military services around the world, and is currently undergoing fielding by the U.S. Department of Defense for deployment with U.S. troops.

RSDL has been fielded by the military of Australia, Belgium, Canada, Ireland, Slovenia, Sweden, and The Netherlands and by First Responders in Australia, Canada, France, Sweden, and select units in the United States.

RSDL® Removes or Neutralizes ALL Known Chemical Warfare Agents: GA (TABUN) • GB (SARIN) • GD (SOMAN) • GF (Cyclohexyl SARIN) • VX (Nerve Agent) • HD (Mustard) • T-2 Toxin

www.RSDecon.com

Idaho Technology Inc. (ITI) develops, manufactures, and sells the fastest, highest-quality machines in the world for identifying threat agents through DNA analysis. Products include the R.A.P.I.D.® System, RAZOR® EX instrument and Reagents and Test Kits for pathogen identification and sample purification.

RAZOR EX Instrument - The RAZOR EX system detects and identifies biological agents using cutting edge technology. Made for field use, the RAZOR EX is compact, lightweight, and easy to use. It is a field PCR unit that is fast, with ultra-reliable DNA based results. Created for first responders and front line military troops, it is easily operated while working in protective equipment under extreme conditions. The new battery powered unit includes Bluetooth capabilities, bar code reader, and a bright, easy to read color screen.

Reagents and Test Kits - ITI offers high quality, freeze-dried, ready-to-use reagents for the detection and identification of pathogens and biothreat agents.

We Have the Following Reagents and Test Kits Available:
- Anthrax - Bacillus anthracis; Avian Influenza H5 Subtype; Botulism - C. botulinum Type A; Brucellosis - Brucella species; Campylobacter - Campylobacter species; Cryptosporidium; E. coli O157; Listeriosis - Listeria monocytogenes; Plague - Y. pestis; Ricin; Salmonella species; Smallpox - Variola; Tularemia - F. tularensis

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it@idahotech.com
www.idahotech.com

Smiths HGVI™

The HGVI™ is a hand-held multi-sensor gas and vapor identifier that detects, identifies, and quantifies toxic industrial chemicals and chemical warfare agents, as well as gamma radiation.

The HGVI utilizes H-Fusion™ Decision Enhancement Software and a cutting-edge, sensor technology built on Ion Mobility Spectrometry (IMS), Photoionization Detection (PID), and Taguchi Gas Sensors (TGS). Advanced software combined with multi-sensor technology enables emergency responders to achieve a new level of accuracy and confidence in the detection and identification of chemicals in the field.

Offering one-touch operation, the HGVI is simple to operate in Level-A gear and in any environment. Weighing only 7.5 pounds (or three point four kilograms) it is easily carried or ported by a shoulder strap onto a scene.

Highlight Features of the HGVI include:
- Multiple sensors, utilizing IMS, PID, and TGS technology working together as orthogonal techniques in one instrument.
- H-Fusion®, advanced software developed to interpret results of multiple sensors.
- Unlike traditional IMS devices that use a Nickel 63 IMS source, the HGVI uses a non-radioactive Corona Discharge that requires no maintenance.
- Automatic detection, identification and monitor modes of operation.
- Easy decontamination.
- Identifies a broad range of CWAs and TICs from the ITF-25 list of High and Medium Hazards.
- Gamma radiation detection.

Ahura Scientific

Ahura Scientific develops rugged, ultra-compact optical systems for rapid identification of unknown chemicals, integrating exceptional portability and performance. The company's complementary products—FirstDefender® (Raman) and TruDefender™ FT (FTIR)—were designed to maximize in-the-field coverage of a broad range of hazardous materials and mixtures including TICs/TIMs, chemical weapons, white powders, explosives, narcotics and more.

FirstDefender, the company's flagship Raman system, weighs less than two kilograms, requires no calibration or consumables and can identify unknown substances within 30 seconds—even through sealed glass or plastic containers. Based on Ahura Scientific's patented optical technology and mixture analysis software, FirstDefender offers superior performance, accuracy and reliability.

Weighing less than 1.4 kilograms, TruDefender FT brings field-proven FTIR technology to the palm of the hand. It is easy to use in Level A gear, yet rugged enough to withstand the rigors of field use.

Key features:
- **Designed for use in the hotzone.** Instruments are lightweight and fully decon-capable to be taken directly to an unknown substance in the hotzone, eliminating significant response time.
- **Fast, accurate analysis you can act on.** Analysis results are returned in seconds. Onboard hazard database provides full safety and treatment information, further speeding appropriate response.
- **Precise results.** Custom software provides clear, definitive results that don’t require user interpretation or judgment. Automatic mixture analysis enhances substance identification capability.
- **Easy to use.** Intuitive menu-driven user interface enables even novice users to be proficient with minimal training.
- **Easy maintenance.** Self-contained instruments require no scheduled maintenance or calibration, and use no consumables.

More information is available at [www.ahurascientific.com](http://www.ahurascientific.com)

Scott Health & Safety

Scott are leaders in the design and manufacture of Respiratory Protection Equipment (RPE). Their range includes military and civil defence masks and filters, powered breathing systems, self-contained breathing apparatus (SCBA) and escape sets.

Scott have been supplying RPE to military markets for over 30 years. They have supplied the in service filter to the UK MoD for the last 20 years and their M95 respirator ensemble has been in service with the Finnish MoD for over 10 years. From this base M95 has been supplied to meet the requirements of military and Civil Defence customers all over the world including geographic markets as diverse as the USA and Japan, Australia and Chile and the Czech Republic and Malaysia.

Their expertise, at the cutting edge of RPE technology, is indicated by contracts they are currently working on. These include the General Service Respirator (GSR) contract for the British MoD, the M 2005 for the Finnish MoD and the End of Service Life Indicator Technical Demonstrator Programme for the UK MoD.

Scott is part of Tyco Fire and Security, a division of Tyco International. This gives Scott the benefit of the backing and resources of a major international company.

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

Bertin Technologies is a multidisciplinary company which provides innovative solutions in the fields of healthcare, sustainable development, defence and industry.

For several years, Bertin Technologies has been developing state of the art solutions for the detection and identification of chemical and biological warfare agents. Early warning, detection or identification of chemical and biological weapons attacks, are essential. In order to achieve such functions, Bertin Technologies invests R&D efforts to propose new technologies to CBRN teams.

**Biological detection**
- Coriolis®: cyclonic air samplers for outdoor or indoor collection of airborne pathogens.
- Coriolis®MS: ruggedized air sampler for surveillance of critical areas
- Coriolis®FR: portable equipment for first responders

**Biological analysis**
- KIM: provides rapid identification of biological agents using the immuno-agglutination under field technique.

**Chemical detection**
- Second Sight® MS: uncooled infrared camera for detection and visualization of dangerous gas clouds (CWA, TIC, and VOC). It has been designed for critical area surveillance and protection against chemical threats.

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**Bertin Technologies**
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CBRNe Convergence 2010, 2-5 November, Rosen Plaza, Orlando, Florida. More information on [www.cbrnevents.com](http://www.cbrnevents.com)
NBC-Sys

Decontamination, Protection and Detection

NBC-Sys is one key specialist in Nuclear, Biological and Chemical Protection, Decontamination and Detection systems.

Air Treatment Systems:
- NBC-Sys has experience in air treatment, of armoured vehicles (installed systems on different generations of vehicles) and hardened or soft shelters.
- Air Filtration Units
- Air Conditioning Units
- Complete range of filters (NBC, NBC+TIC’s) from 12 to 300 m3/h

Decontamination systems:
- SDA : thorough decontamination for vehicle
- SDMS : decontamination for sensitive material
- Symoda : decontamination for aircraft
- Personnal decontamination line (military and civil defence)

Individual protection:
- Gas masks (soldiers and helicopter pilots)
- Filters (NBC NATO, NBC+TIC’s)
- Blowers

Detection systems:
- Individual nerve-agent detector
- Paper detector
- Chemical detector kit

NBC-Sys has also a great experience in the field of Emergency Response and Disaster Management.

Intervention face to toxic hazards:
- NBC terrorism
- Civil Defence
- Industrial Accidents (Nuclear and Chemical)
- Hazmat Transportation Accidents

Protecting the public :
- EVATOX™ System
- Active and passive containment system

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10th International Symposium on Protection Against Chemical and Biological Warfare Agents

The following topics will be covered:

Emerging threats and risks
Detection, identification and monitoring of chemical and biological agents
CBRN crisis management at national and international levels
Medical management CBRN
Physical protection
Commercial developing technologies
Non-proliferation and demilitarisation issues

Stockholm, Sweden 8-11 June, 2010

Register at www.cbwsymp.foi.se

Paul Boyé Technologies

Worldwide leader in research, development and mass production of CBRN/F protective suits, Paul Boyé Technologies offers a complete range of products to meet the requirements of Armed Forces and Civil Defence (soldiers, decontamination experts, aircraft pilots, helicopter pilots, special forces, police forces, military police, medical personnel, fire-fighters). In use within 38 countries in the world, Paul Boyé CBRN protective suits have gained international recognition thanks to their high technological level. Used by all international organisations (UNO, OPCW, IAEA, NATO...) for chemical disarmament operations, they have proven their superiority and comfort in the hardest climate.

Biral designs and manufactures a range of instruments for the detection of airborne biological particles. These have been primarily for the detection and characterisation of biological weapons and Biral detection equipment has been included in every generation of bio detector in service with the UK armed forces.

Our latest real time, generic detection system, VeroTect™, is now being used or assessed by armies and domestic security services world-wide and our Aspect™ Aerosol size and shape analyser has been adopted as the non-specific trigger detector for the Japanese Defence Agency mobile CBRN Reconnaissance vehicles.

Biral has a considerable history of developing prototype systems at the cutting edge of technology and was awarded the UK MoD’s PiBBDT contract for the Portable Integrated Battlespace Biological Detection Technology technical demonstrator (a fully self-contained, specific biological warfare agent detector).

Other projects include a UV Lidar system for stand off detection of bio agents and compact systems for the collection and identification of micro-organisms for military applications and for monitoring animal health.

Although much of Biral’s biological sensing developments have been for military and security applications these have also been adapted for more general use and are available as commercial units.

For more information please contact:
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Email: biodetection@biral.com
Website: www.biral.com

Lion delivers total CBRN garment protection

With an outstanding commitment to innovation and service, Lion Apparel is a global leader in the provision of protective clothing and equipment, meeting the needs of the world’s leading commercial and government organisations, emergency services and the military.

Lion’s unique capability to deliver comprehensive peace of mind protection to any size of operation has resolved the CBRN requirements of a wealth of agencies including the US Army, US Marine, Orlando Police Dept, Fire Dept City of New York, Northern Ireland FRS and Dutch Specialist Police.

Offering an impressive garment portfolio which completely understands the needs of the end user, Lion’s CBRN wide ranging capability includes the single layered MiTE which delivers versatile, lightweight, comfortable easy on/off protection and is ideal for search and rescue operations and incident monitoring. The multiple-hazard ERS suit is a rapid response garment which offers significant protection benefits to the police, bomb disposal, search and rescue and special forces. Other garments include the MIGZ3, an ensemble specifically designed for crowd and perimeter control, and the ICG which offers advanced protection against the world’s worse chem./bio threats.

Whatever the size or nature of your requirement, challenge Lion to find your perfect CBRN solution. Please email cbn@lionapparel.com, visit www.lionapparel.com or call +44 (0)1895 237 359
**CAPABILITY PROFILES**

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**Hot Zone Solutions**

The World’s most practice oriented and realistic CBRNE training provider and consulting service.

For emergency responders, law enforcement, military and government clients, Hot Zone Solutions provides:

- Live agent training; equipment; Scientific testing and evaluation; Major event CBRNE security; On-site analysis; CBRNE medical certification

Building on more than 75 years field experience in NBC defense, international weapons inspection, emergency response, medicine, forensics, counter-terrorism and non-destructive evaluation; Hot Zone Solutions offers a full spectrum service with core competencies covering the use of biological and chemical warfare agents, toxic industrial chemicals, explosives and radioactive material.

These services are provided at some of the leading training facilities in Europe in cooperation with leading CBRNE equipment manufacturers and suppliers.

Hot Zone Solutions offers corporate and individual training and can tailor training solutions to meet individual needs, local and national requirements.

With our security division, Hot Zone Solutions can support major’s event with trained and certified security personnel; or can provide in-house CBRNE certification for security personnel. This includes detection and monitoring capabilities, sampling, field identification, scene preservation and defensive response.

Hot Zone Solutions offers multiple solutions to evaluate CBRNE capabilities; including surveys, risk assessments, capability assessments, exercise design and management and simulant and live agent training programs.

We pride ourselves on being dynamic, versatile, practical and not only trained, but experienced in handling and working with CBRNE materials.

If you have specific CBRNE training requests or needs, we can provide a solution directly, or through one of our partners.

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**Powerful and Effective Multi-Purpose Equipment from Intelagard**

Whether the mission calls for decontamination, hazmat remediation, or fire suppression, Intelagard systems and solutions provide effective, rapid response capabilities.

Intelagard’s next generation systems use Compressed Air Foam (CAF) technology that maximizes resources while minimizing user fatigue. The systems are ideal for decontamination operations, as the foam adheres to vertical and inverted surfaces maximizing dwell time between the agent and decontaminant. All of Intelagard’s systems have been field tested in the most rugged and austere environments. From the Macaw backpack to the large-scale High Mobility Decontamination System (HMDS), Intelagard has a system sized to fit your needs.

Intelagard also offers EasyDECON DF200, the powerful and effective chemical/biological decontamination formulation that kills anthrax, MRSA, Hepatitis A, SARS, HIV and more, and neutralizes HD, VX, GD and other toxic chemical agents. EasyDECON DF200 also removes the smell of decomp from drysuits while lowering bacterial loads that can make divers sick.

Intelagard systems and solutions are in use by the military, Urban Search and Rescue Teams, Civil Support Teams, Public Safety Divers, first responders, and industry.

Maximize your ability to respond with Intelagard multi-purpose equipment.

Contact
Intelagard
1-303-309-6309
sales@intelagard.com
www.intelagard.com

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**TSI Incorporated**

TSI’s M41 PATS tests how well a military gas mask fits the soldier. Modern military masks are capable of a high degree of protection, but ONLY if they are fitted correctly and donned properly. The M41 provides a numerical measurement of the Fit Factor of the mask while it is being worn by a soldier.

The soldier dons their own assigned mask and performs a series of exercises that simulate typical activities. The M41 provides a Fit Factor for each individual exercise as well as an overall Fit Factor. When used as part of a training program the M41 PATS ensures that personnel get the best possible protection from their assigned mask.

TSI’s Fluorescence Aerosol Particle Sensor (FLAPS™) Systems alert personnel of the potential presence of a harmful biological threat and trigger sample collection and identification systems for threat confirmation. The FLAPS technology offers high sensitivity with low false-alarm rates, while maintaining low operating costs. FLAPS systems are used for fixed, vehicle, and shipboard applications. They are also used as referee systems at most test sites throughout the world.

TSI CBRN Defense products have successfully supported every major U.S. military effort since Desert Storm. They are used by foreign allies worldwide to address emerging defense and homeland security requirements.

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**CBRNe Convergence 2010, 2-5 November, Rosen Plaza, Orlando, Florida. More information on www.icbrnevents.com**
Germfree designs, engineers and integrates mobile laboratories into full military chassis, ISO containers or commercially available civilian vehicles. Integrated Air Filtration-HVAC systems are designed to operate from (-40°C to +43°C) and can be changed from negative pressure containment for laboratory operations (up to BSL-3) to positive pressure operation for collective protection. Laboratories are engineered to meet applicable STANAG requirements. Our latest labs are designed to meet the demands of military missions as well as public health assignments. Germfree experts can work with you for analytical equipment selection and development of a safe, efficient and ergonomic laboratory design.

Germfree’s second-generation mobile labs feature safe sample entry from the outside directly into the high containment Class III BSC-Glovebox with integrated specialized detection equipment. Shielding for radiation protection is available.

Germfree is a leading innovator in the development of ruggedized primary containment equipment (Class II & III BSC-Glovebox and fume hoods) and exhaust air filtration systems that meet or exceed U.S. Military Standards. Germfree specializes in developing interconnected containment systems such as a Glovebox and a fume hood. For the safe and secure movement of samples into and out of containment, Rapid Transfer Ports allow these items to be safely moved between containment systems or even between laboratories without breaking containment.

www.germfree.com

Environics Oy is a company, specialized in CBRN Security. The company’s portfolio includes everything from a single portable chemical warfare agent detector, to a wide area CBRN security monitoring networks. The company also provides training and consulting services.

This year Environics will release a new product family for radiological and nuclear detection and identification – The RanidVision. The RanidVision family consists of high performance RN detectors, which vary from handheld detectors to full radiological reconnaissance vehicles, and online expert database systems. The new modular products enable RN detection for an extremely wide scale of different applications as they can be used either individually or as a part of a larger network. With wireless communications the setup is easy and all the products can be integrated to the Environics EnviScreen CBRN and Environmental Monitoring System.

The RanidVision products are:
- RanidPro100 Handheld or Fixed Radiological and Nuclear detector
- RanidPro200 Portable Radionuclide detector and analyzer
- RanidSONNI Radiological Reconnaissance Vehicle
- RanidDB Online expert database system

Another remarkable characteristic of the RanidVision family is that using the detectors require minimal training yet they each are a high performance expert tool. Ease of use and low maintenance costs are a cornerstone of Environics solutions so the user may concentrate on the task at hand instead of constantly taking care of the equipment to ensure correct function.

For more information on the Environics RanidVision products please contact us by mail at sales@environics.fi and for more information on our products and services please visit www.environics.fi

Proengin has developed biological and chemical warfare agents field detectors using flame spectrophotometry. The well known and world widely used AP2C has proven the capacity of that technology to be the most reliable on the field with the lowest false alarm rate and the simplest ease of use.

The new extended range field handheld chemical detector AP4C
New developments such as the AP4C have extended the capacity of that technology to include chemical warfare agents and Toxic industrial materials in a simultaneous mode. There is no limitation in number of gases detected by the AP4C. All nerve agents, all blister agents and all blood agents can be detected by AP4C within the requirements of response time and sensitivity of NATO recommendations.

Canadian Forces have selected the AP4C to replace their old technology IMS detectors. Their selection was based on the capacity to prove with real live agent that AP4C could meet those standards.

The AP4C has extended the range of chemicals that can be detected by Proengin chemical detectors. All dangerous compounds containing Sulphur, Phosphorus, Arsenic, and/or the chemical liaison can be detected in a simultaneous way.

Of course, as for the AP2C, the AP4C has the capacity to work in very severe environmental conditions ( explosive areas) and the measurements are unaffected by high humidity levels or by presence of other organic chemical compounds such as paint.

www.proengin.com

www.cbrneworld.com


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CAPABILITY PROFILES

AirBoss-Defense – the Ultimate Protection

AirBoss-Defense is the Project and Contract Management Division of AirBoss of America Corp. We specialize in the design, manufacturing and sales of Chemical, Biological, Radiological and Nuclear (CBRN) Personal Protective Equipment (PPE).

As part of AirBoss of America Corp. Portfolio of businesses, we have access to diverse rubber transformation and development facilities. Capabilities include rubber custom mixing, calendaring, extrusion, injection moulding and specialized hand assembly products.

Renowned internationally for our CBRN hand wear, footwear and Gas-masks, our range of products also includes Fire Fighting and Extreme Cold Weather footwear (ECW), Multi-Purpose Safety Boots and a wide range of industrial extruded and moulded rubber engineered products for the defence and industrial markets. We maintain a highly experienced, well-trained work-force of over 350 person and certified ISO 2001:2000.

AirBoss-Defense’s “Ultimate Protection” Mission assures the highest quality PPE to our ever-broadening client base including Armed Forces of NATO, its allies and First Responders around the world. We commit ourselves in developing products using the most advance research and innovative technologies to help protect the people that value life above their own.

AirBoss-Defense
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Web: www.airbossdefense.com

20/20 BioResponse

20/20 BioResponse, a division of 20/20 GeneSystems, Inc produces BioCheck Suspicious Powder Screening Kits. Owing to its ease of use, low cost and fast results, BioCheck functions as an initial biological screen by performing a highly sensitive positive protein test. Often used in conjunction with more sophisticated detection instrumentation, BioCheck was developed specifically to allow first responders to quickly rule out the presence of any biological pathogen and quickly restore confidence, preventing widescale evacuations. Highly endorsed by civil first responders and military CBRN teams worldwide, BioCheck is a favored technology when dealing with unknown powders and hoax mailing threats. Useful to both large agencies as well as small municipalities, its low cost and short training requirements make it a favored tool for all agencies regardless of size or budget.

Extensively tested and evaluated, BioCheck has been shown to detect minute amounts of biological material when testing unknown powders. Recent US Army ECBC testing showed sensitivity to as little as 100 μg of Ricin and 1 x 10⁷ cfu of B. anthracis spores.

Based in the Washington, DC area, 20/20 operates a state of the art laboratory with a full team of biochemists and molecular biologists.

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Web: www.biocheckinfo.com

Tetracore - Experience counts!

Tetracore was founded in 1998 by scientists with extensive experience in BW detection. They developed BioThreat Alert® (BTAs) Kits which analyze suspicious samples for the rapid detection of:

- Anthrax;
- Ricin;
- Plague;
- Botulinum toxin A and B;
- Staphylococcal enterotoxin B (SEB);
- Orthopox (the family of smallpox);
- Abrin;
- Brucella;
- Tularemia.

They are by far the leader in first responder field identification of samples for bioterror agents. BTAs are used worldwide by HazMat teams, law enforcement, federal, state, and local governments, and corporations.

Tetracore has now developed an all new instrument for use with our BTAs – the Rapid BioAlert reader. Superior to other readers previously used with Tetracore BTA strips, The Rapid BioAlert is a fully functional Windows based ultra-mobile PC (UMPC) with Wi-Fi and Bluetooth capability – it is smaller, lighter, more accurate, easier to use, and can store data on thousands of readings. It easily interfaces with other computers and, in turn, is easily updatable. Using the Rapid BioAlert eliminates guesswork by providing a quantifiable analysis which can be stored or sent electronically.

Please contact us for more information:
Tetracore, Inc.
9901 Belward Campus Drive
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Rockville, MD 20850 USA
240-268-0400
www.tetracore.com

TALON® CBRNE/Hazmat Module

TALON robots support a modular CBRNE/Hazmat kit that can be purchased as an addition to new or existing models of the GEN IV TALON robot. This latest modular capability from the makers of the widely used TALON family of robots includes detectors for radiation, nerve agents, excessive temperatures, explosives, TNT, and volatile gases.

The CBRNE/Hazmat module is the latest in a series of “plug and play” capabilities being developed for TALON robots to make them more adaptable, affordable, versatile, and cost-effective to deploy. QinetiQ North America previously announced an add-on heavy-duty shoulder and gripper for the TALON GEN IV, enhancing the robot’s ability to lift heavy debris and making it strong enough to carry a mine detector.

TALON® robots have all-weather, day/night capabilities and can negotiate almost any terrain. They can also be configured to support a variety of commercially available x-ray inspection systems, giving the user the ability to drive the robot down range and have it remotely x-ray a suspicious package or suitcase to determine the contents.

For further information, please visit www.talonrobots.com.

Grants writing assistance is available.

Systems for Systems by OWR

For more than 50 years the OWR brand has been established in the NBC defence market on an international scale.

CBRNe threats have become part of the reality of today's life and will remain a threat for the future, but by using modern techniques and user-friendly applications OWR’s mobile and scalable systems for protection, detection, decontamination and medical treatment help protect our societies.

As a systems and technology integrator with experience, know-how and team competency, we realize advanced cost effective solutions that limit the impact of CBRNe events.

Based on depth of experience and continuously evolving design concepts, OWR offers the customer integrated CBRNe defense systems to protect the valuable systems of human beings.

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ICx Technologies CBRNE Detection Capabilities

ICx Technologies develops and deploys both laboratory scale systems and compact, portable products for the entire range of CBRNE threats. The detection instruments from ICx are effective, accurate and simple to use. Their sensitivity and accuracy are among the best available while being designed for use in the field. By incorporating detection instruments that sense and identify CBRNE threats, security personnel are provided with superior awareness and actionable intelligence.

CHEMICAL POINT DETECTION
The Agentase™ CAD-Kit™ provides first responders with the ability to conduct surface, solid and liquid interrogation of nerve, blood and blister agents, acids, bases, aldehydes and oxidizers. This kit provides accurate results in field environments, improves detection limits to rival those of expensive handheld electronic testing devices and provides fast signals that are easy to interpret. The simplicity of this kit makes it user friendly for the entire first responder community.

This sensing technology has been adapted for use in mass decontamination efforts with the Agentase Disclosure Spray™. The solution changes color when sprayed on surfaces contaminated with chemical warfare agents (CWAs). The Agentase Disclosure Spray provides emergency responders with a simple, rapid and reliable method of locating chemical agent contamination to focus decontamination efforts or determine decontamination efficacy.

For more information on ICx detection solutions, visit www.icxt.com

www.cbrneworld.com
i-bodi

i-bodi is an innovative leader in project research, development, manufacture and project management. We are specialists in developing bespoke and low volumes of products from customer defined specifications, with particular experience in computer controlled test platforms for CBRN protective clothing and respirator evaluation.

i-bodi has developed heated and sweating, anthropometrically correct mannequins that can bend, walk and run. Head-forms with soft polymer skins that fully articulate and breathe, they can be heated and sweat, and have internal cameras for fogging evaluation and can mimic speech.

With over 20 years of industry experience, we specialise in providing intelligent solutions for both industry and large government organisations.

i-bodi can be employed at any stage of the project lifecycle to aid the customer in the development of their product, from initial concepts through to prototyping and manufacture.

As a contractor we can enhance your project with expertise in CAD design, 3D laser scanning, 3D rapid prototyping, mechanical/electronic and software engineering, product documentation and customer support services.

Dräger – Technology for Life

Dräger is an international leader in the fields of medical and safety technology. The family-owned company was founded in Lübeck, Germany, in 1889. Over the past five generations, Dräger has evolved into a publicly traded, worldwide group. The company’s long-term success is based on the four key strengths of its value-driven culture: customer intimacy, professional employees, continuous innovation and a commitment to outstanding quality.

“Technology for Life” is the guiding philosophy. Whether in clinical applications, industry, mining or fire and emergency services, Dräger products protect, support and save lives.

The safety division offers customers consultancy, products and services for an integrated hazard management, especially for personal and facility protection. The current portfolio comprises stationary and mobile gas detection systems, respiratory protection equipment, fire training systems, professional diving equipment as well as alcohol and drug detection units.

The current product range of the medical division includes anesthesia workstations, ventilators for emergency, critical and home care as well as warming therapy for premature infants. Patient monitoring, IT solutions, accessories and consumables, ceiling supply units, light systems and central supply systems for medical gases complete the portfolio.

Dräger has about 11,000 employees worldwide and is currently present in more than 190 countries. The company has sales and service subsidiaries in over 40 countries. Its development and production facilities are based in Germany, Great Britain, Sweden, the Netherlands, South Africa, the USA and China.
DEFENZ™ – Enzyme solutions for Biosafety

Since Genencor® first developed enzymes for defense purposes, the organization has continually invested to further develop these technologies, which has led to some remarkable innovations. We are committed to finding new ways for our enzymes to meet the needs of military and civil defense.

Today, European and U.S. military forces are putting our enzymatic solutions to the test – in order to validate that our products deliver advantages for logistics, safety, and the environment. Defense laboratories in Germany and the U.S. have found, for example that enzymes can greatly reduce logistical burdens, while remaining highly effective in decontaminating chemical and biological agents.

Enzymes are also biodegradable, which makes them a powerful alternative if one is looking to reduce the impact of decon solutions on equipment and clothing. As the enzymes degrade, there will also be less impact on the environment.

As our world faces increasing danger from chemical and biological threats, Genencor continues to introduce new ways to help you respond.

A world leader in industrial biotechnology
Genencor®, a division of Danisco A/S, is a world leading enzyme supplier and a pioneer in enzyme innovation and metabolic pathway engineering. Genencor improves processes and product performance, and creates new products, for a spectrum of industries. The industries we serve range from biofuels and laundry detergents to animal nutrition and food.

In collaboration with customers, technology leaders, governments, and other stakeholders, Genencor develops and manufactures competitive, biobased solutions. Our innovations create value throughout the supply chain, from raw material to finished product, while improving industries’ sustainability profiles.

Genencor was founded in 1982, and today is part of Danisco A/S, with a global manufacturing, sales, and distribution network that spans more than 40 countries. The division’s dedicated workforce of world-class experts drive Genencor to become the growth engine in industrial biotechnology.

Key markets
Genencor produces and supplies hundreds of enzyme products to customers in more than 150 countries. Industry focus areas include:

- **Textiles**—desizing, biofinishing or biopolishing, denim abrasion, denim bleaching, peroxide removal, and leather processing
- **Fabric and Household Care**—a complete offering of proteases, amylases, and mannanases for liquids and powders, focused on cold water washing performance

Find more information at: [www.genencor.com](http://www.genencor.com)
Cristanini company located in Verona (Italy) is a worldwide leader in the research, development and production of CBRN decontamination/ detoxification systems and products. Established in 1987, Cristanini has since acquired a reputation of manufacturing small, medium and large scale CBRN systems and mobile field stations for a simultaneous decontamination/detoxification of personnel, vehicles, equipment, sensitive material and terrain.

Cristanini experience and know-how is the result of years of dedicated research, applied engineering and the production of equipment and accessories with innovative solutions for CBRN detoxification/decontamination.

The R&D program is conducted in cooperation with the most famous University and Institutes, including Nationals Military Labs. The state-of-the-art R&D is validated by more than 25 patents. This is the result of a creative work and an integrated problem solving approach.

BX 24 is proved to be the most effective CBRN decontamination/detoxification solution in the world. Moreover, Cristanini family of decontaminants includes other products such as BX 40 for aircraft interiors and nuclear decontamination, BX 30 for training, BX 29 for personnel and SX 34 for sensitive surfaces and materials including detection instruments. Cristanini Company is NATO Constructor since 1987 with NATO Certificate A5009 and with Product Quality Certification AQAP2110 and ISO 9001:2000.

Cristanini systems are based on the concept “ONLY 1 SYSTEM – 1 PRODUCT- 1 OPERATOR” that is Sanijet C.921 + CBRN BX 24 Decon/Detox + SANJETGUN Lance, a system that radically changed the traditional decontamination philosophy.

www.cristanini.com

Blücher GmbH in Erkrath can look back over a history that spans forty years. Still in family hands, this traditional company has retained its very high ethical claim of: Always focusing our activities on protecting life.

The core business of Blücher GmbH is the development and production of high-efficiency filter technologies. Based on spherical, high-performance adsorbers - in principle similar to activated carbon - pollutants, smells and other unwanted substances are reliably filtered out of gases and fluids and safely bonded. For optimum protection and comfort in all circumstances, whether in action, at work or play.

Research, development and innovation have made Blücher a world market leader for CBRN protection. Over 10 million of Blücher’s SARATOGA® brand protective suits and systems in over 40 countries speak for themselves. Even the most demanding task forces, including OPCW inspectors who are confronted with CBRN hazards every single day, rely on SARATOGA® from Blücher.

The SARATOGA® systems include not only CBRN but also ballistic protection as well as protection against foul weather, fire and cold. But comfort too is also taken seriously. Integrated ventilation systems for cooling and moisture management with designed-in weight minimisation reduce the physical strain and ensure adequate mobility.

www.cbrneworld.com
**Source Vagabond Systems**

SOURCE Hydration Technology is unique and considered the next generation among hundreds of thousands of combat soldiers that are issued with our Hydration systems including: US Army, US Marine Corps, Swedish Army, French future soldier FELIN, UK Army, IDF/Israel police and others.

**SOURCE NBC Hydration Technology:**
- High chemical resistance
- Mask compatibility: Type A-XM-50, S-10, FM-12, GSR
- Type M- M17, M40,M70 Series and MCUZP C4

And some unique features:
- Guaured safe and taste-free drinking water: Glass-like™
- Liner technology in reservoir and tube delivers pure liquid taste with no plastic flavor
- Bacteria-Free System: Grunge-Guard™, FDA approved technology

- Unique INDICAP™ filler cap provides seal indication for the user and easy opening for re-fill
- Source R&D special project approach for any hydration application

Source R&D can respond quickly to any custom made inquiries.

What makes SOURCE different?
Innovation- New designs are constantly brought into the market, multiple international patents granted to technologies and components developed at SOURCE.

Vast experience in large scale production of military textile personal gear.

Our R&D and Sales team consists of real users with live combat experience.

Our ability to rapidly respond to special requirements of customers and build custom made products.

email: military@source-vagabond.com
Phone: +972 4 8574 370 ext 230

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**Avon Protection Systems**

Avon Protection Systems, part of Avon Rubber p.l.c., is the world leader in advanced CBRN respiratory protection solutions.

CE approved FM53
Avon Protection’s multi-functional FM53 now has both CE and NIOSH approval, cementing its position as the most advanced respiratory solution on the market, and Avon as the overall leading designer and manufacturer of CBRN respiratory products.

The FM53 is the only mask of its kind that functions as both a positive pressure self contained breathing apparatus (SCBA) mask as well as a negative pressure filtering device (APR). It has been specifically designed to protect users against the multiple threats and meet the asymmetric warfare challenge of today. It provides protection against traditional chemical and biological warfare agents, select Toxic Industrial Materials (TIMs) and particulate matter, including radioactive dust. This means a high protection factor for the wearer, and therefore complete peace of mind. With CE approval, and NIOSH last year, the FM53 is now accessible to a wider range of users, from worldwide Special Forces to leading European police forces.

ST53™
Avon Protection is also applying for CE approval of its ST53™ systems, which it is anticipated will be completed in April 2010.

ST53™ utilises the FM53™ mask combined with modular breathing apparatus technology to provide positive pressure SCBA and/or PAPR capability. Seamless transition between filter protection (negative pressure) and SCBA protection (positive pressure) enables the user to react to his or her operational circumstances when at a scene of an incident. It is in service today with Military Special Forces, police specialist tactical units and Narcotic Clandestine Laboratory entry groups.

www.avon-protection.com

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**EPD-Mk2-SIM simulation training dosimeter**

Now available from Argon Electronics, the EPD-Mk2-SIM provides you with a high fidelity training simulator that enables every operational feature of the real Thermo EPD-Mk2 to be demonstrated without the need to utilize an ionizing radiation source.

Based on the Thermo EPD-Mk2, the simulator uses a standard AA battery, with a minimum 170 hours battery life in continuous use.

Operates correctly with all Thermo EPD accessories including telemetry system.

Operates with all Thermo EPD administration and management software Easy EPD, Easy issue, DCS and ebREMS.

Simulator alarms 1st and 2nd HP10 alarms and HP07 alarms when dose rate reaches preset level.

Simulation of peak dose rates, dose-profile and chirp dose.

Simulation of low battery alarm.

Supplied complete as a system package, a body worn player device enables the EPD-Mk2-SIM to respond to simulation gamma sources, whilst a player interface is also available for the PlumeSIM wide area classroom and field survey training system. Complete exercises involving simulation survey meters and dosimeters can now be created with ease.

For further information on our extensive simulation instrument product range, or to request a copy of Argon Electronics’ FREE CBRN Training Equipment Guide, please contact:

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