



smiths detection

# CBRNE SOLUTIONS

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



# EXPERIENCE MATTERS

For more than fifty years, Smiths Detection has worked with Defense agencies around the world. In support of their mission to make the world safer, we have gained significant insight into the needs of armed forces as well as know-how in applying smart science to the frontline.

## What is your mission?

Smiths Detection is committed to advancing global security through technology, solutions and services that protect life, safeguard society and uphold the free flow of trade.

We specialize in:

- **Detection, Identification & Monitoring**
  - Assessment, decontamination and survey technology
- **Incident and Hazard Management**
  - Situational awareness and command and control
- **System Integration**
  - Specialized program execution
- **Research and Development**
  - Innovations in smaller, faster, lighter solutions
- **Physical Protection**
  - Chem/Bio protection system
- **Equipment Support and Service**
  - Life-cycle management



Early alerts save lives in threatening environments.



Our comprehensive range of solutions fulfills a wide variety of requirements for detection and identification.



LCD 3.3 CWA • TIC • IMS

The LCD 3.3 is our most versatile product for chemical agent detection meeting the demands of many different military applications. It detects a variety of chemical warfare agents (CWAs) and Toxic Industrial Chemicals (TICs) using our advanced, proven IMS technology. By adding different accessories, it can be transformed to suit various roles in theatre such as personal protection, vehicle integration or in conjunction with robots. It can also be used in a UAV application.



HazMatID Elite CWA • TIC • EXP • NARC • FTIR

This smart, hand-held, solid and liquid chemical identifier utilises Fourier-Transform Infrared Spectroscopy (FT-IR) to detect unknown chemicals, solids or liquids. It performs analysis in one minute or less through its ATR diamond sensor and has long range, embedded RF wireless transmission suitable for soldiers in the hotzone who need to communicate data to the command post. An optional ClearSampler accessory adds further capabilities for decon verification, explosive analysis and hazardous materials assessment.



BioFlash BIO • PATHOGENS • CANARY

The BioFlash Biological Identifier is a bio-aerosol collection and identification system. It provides rapid, sensitive and specific identification of various diseases and common biothreat agents including anthrax, ricin, botulinum toxin, black plague, tularemia and smallpox. BioFlash has also been proven to detect airborne SARS-CoV-2 by the United States Army Medical Research Institute of Infectious Diseases (USAMRIID).



ACE-ID CWA • TIC • EXP • NARC • RAMAN

For rapid results in seconds and using just one hand, the ACE-ID is a non-contact explosives identifier for solids, liquids, gels and powders – which can be recognised through translucent and semi-translucent (e.g. plastic or glass) containers. Rugged enough for use in severe climates, it is designed for explosive ordnance disposal technicians, civilian bomb squads and hazmat teams.



RadSeeker CS/CL/CS-G GAMMA • NEUTRON • RAD

Offering superior identification capabilities, RadSeeker accurately detects and identifies masked nuclear threat materials, assesses the source found, and provides a risk assessment describing the source as benign or a threat.



PBDS BIO • INTEGRATED SYSTEM

The Precision Biological Detection System (PBDS) is a self contained laboratory designed to detect and identify selected biological agents and provide an alert to the crew. The detection suite component parts are contained within or attached to a container known as the shelter that is mounted on a flatbed vehicle. The system is capable of rapid deployment in theatres of operation under a range of environmental conditions.



CBPS CHEM-BIO • INTEGRATED SYSTEM

Chemical Biological Protective Shelter (CBPS) and highly mobile medical shelter. It is designed to military specifications, is highly resistant to chemical and biological threats and can be used in natural disasters and other emergencies such as a potential terrorist attack or pandemic response. It provides the military a highly mobile, chemical/biological agent-free environment and safe haven for patients in which to administer healthcare without the need for protective clothing.



IONSCAN 600 EXP • NARC • IMS

A portable, non-radioactive desktop system for detecting and identifying trace amounts of explosives, the IONSCAN 600 is very versatile. It is suitable for use out in the field or at a fixed base.



SABRE 5000 WA • TIC • EXP • NARC • IMS

Optimised to detect in vapor mode the peroxides used in home-made explosive devices, the SABRE 5000 also reveals trace particles of narcotics, CWAs and TICs. Utilising Ion Mobility Spectrometry (IMS), it can expose and recognise over 40 threat substances – making each identification in approximately 20 seconds.

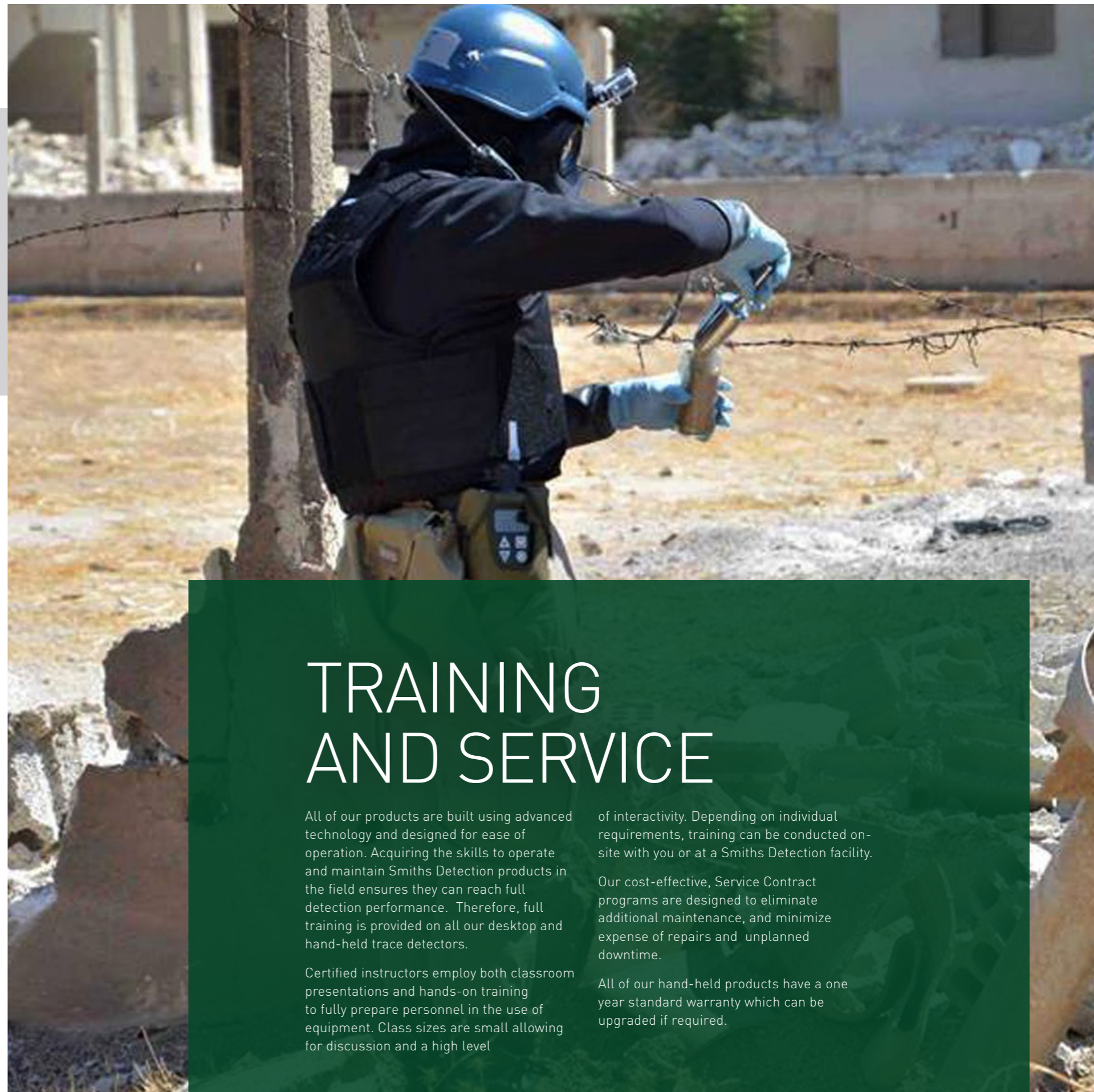


GID-3 CWA • TIC • IMS

Our most widely deployed chemical warfare agent detector is easy to use, rugged and battle proven. Its versatility makes it ideal for air and chemical hazard monitoring in vehicles or as a point detector.



Meeting the demand for detection and identification of CBRNE threats.



## TRAINING AND SERVICE

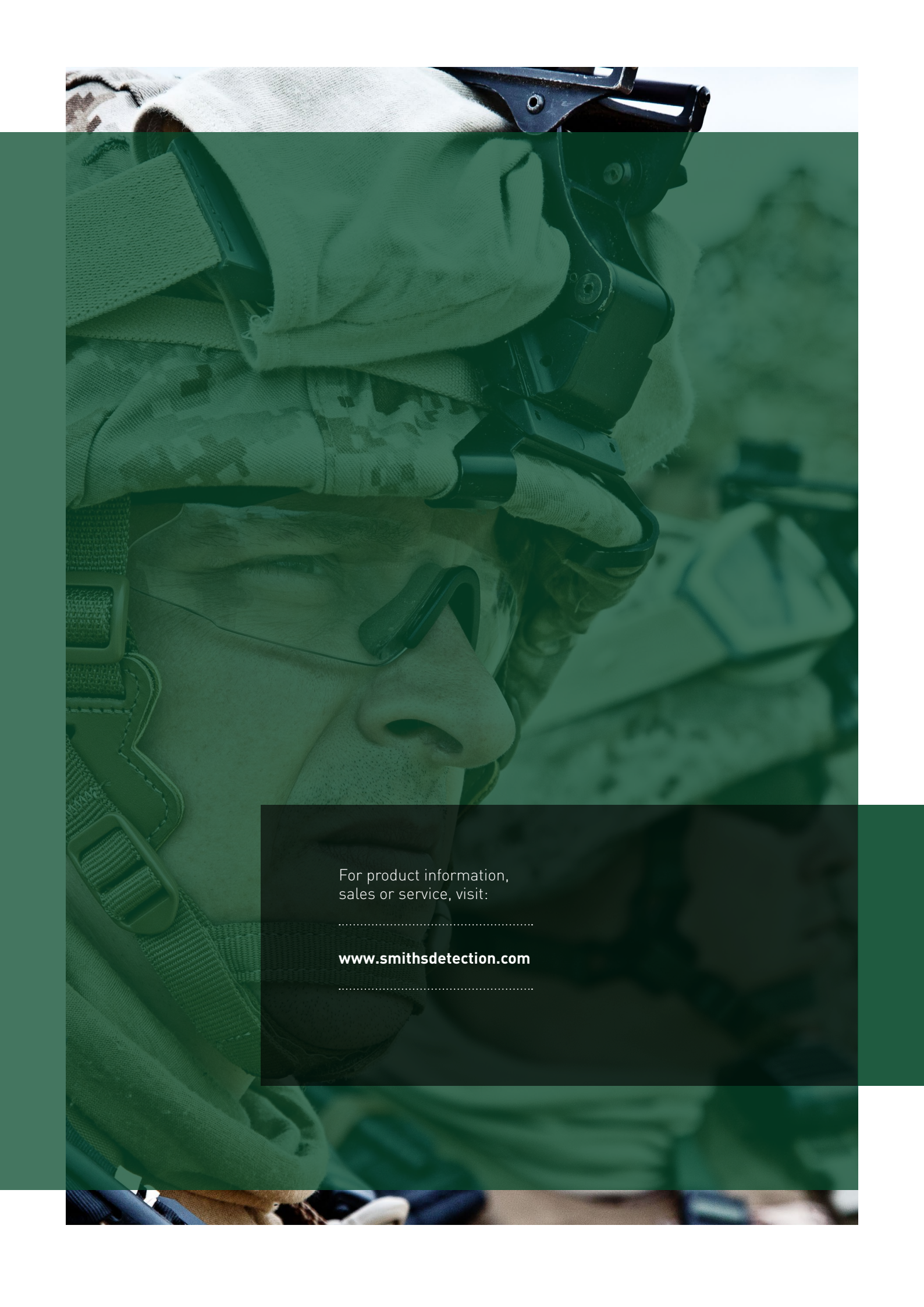
All of our products are built using advanced technology and designed for ease of operation. Acquiring the skills to operate and maintain Smiths Detection products in the field ensures they can reach full detection performance. Therefore, full training is provided on all our desktop and hand-held trace detectors.

Certified instructors employ both classroom presentations and hands-on training to fully prepare personnel in the use of equipment. Class sizes are small allowing for discussion and a high level

of interactivity. Depending on individual requirements, training can be conducted on-site with you or at a Smiths Detection facility.

Our cost-effective, Service Contract programs are designed to eliminate additional maintenance, and minimize expense of repairs and unplanned downtime.

All of our hand-held products have a one year standard warranty which can be upgraded if required.



For product information,  
sales or service, visit:

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