

A composite image featuring two soldiers in full tactical gear, including helmets and communication equipment. They are looking down at a map or document they are holding together. The background is a blurred outdoor setting. The image is split vertically, with the left side showing the soldier's face and the right side showing his hands and the map.

smiths detection

FOCUS ON / DEFENCE

→ CBRNE
SOLUTIONS
TO SAFEGUARD
SOCIETY

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→ PROTECT AGAINST CBRNE THREATS AND SAVE LIVES

Government bodies and militaries around the world all face the challenge of protecting themselves and society at large against the consequences of an attack. Terrorism poses a real threat to our security and the safety of troops, civilians and critical infrastructure. It has never been more important to have confidence in your equipment to detect and identify suspicious substances so you can respond to any threat as quickly as possible.

It is paramount for militaries and security agencies to be armed with the appropriate solutions so they can carry out missions as safely

as possible. Our products incorporate the latest technologies combined with simple, intuitive interfaces which make them easy to operate under pressure, when reliable, rapid results are needed to make quick decisions.

Around the clock, around the world we provide the capabilities needed to protect people, infrastructure, civil and military facilities from wide-ranging threats.



Take out the guesswork

It is impossible to identify potentially dangerous substances such as vapours, powders, gases, liquids, pastes and gels using sight and smell. Confidence in equipment to provide fast, accurate results in a major incident is as important as your respirator. The ability to survive is key in threatening environments and early warning alerts can save lives and allow security personnel to operate without full protective kit.

Our complete Trace solutions utilise innovative technologies which take the guesswork out of identifying dangerous substances. All products are tested

rigorously to meet CE standards and ensure their suitability for the harsh conditions and high temperatures likely to be faced during battlefield or security operations.

Smiths Detection science and technology specialists understand soldiers need the latest technology in rugged products which minimise inconvenience and support successful missions in the field. That is why we are dedicated to continually developing more intuitive, smaller, lightweight and simple to use products.



Increase the ability to survive threatening environments



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 soldier or operational group 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.

Our comprehensive range of trace solutions meets a wide variety of requirements for the detection and identification of CBRNE threats.



TRACE-PRO Exp **IMS**

TRACE-PRO is a small hand-held, non-radioactive, trace explosive detector utilising IMS technology. It has remarkable integrated evidence collection featuring time/date stamp, complete alarm data, photograph, GPS coordinates and system health. An added benefit is the outstanding clear down time of under five minutes.



HazMatID 360 CWA • TIC • EXP • NARC **FTIR**

With its remarkable ability to identify complex or contaminated mixtures of solid and/or liquid chemicals, the HazMatID 360 can accurately analyse threats found in the field in under two minutes. Its wireless capability supports immediate data transmission to the command post to aid critical decision making.



GasID CWA • TIC • FTIR

This easy to use gas analyzer utilises Fourier-Transform Infrared Spectroscopy (FTIR) to identify over 5,500 gases within minutes. The Gas-ID is suitable for response teams who need to know what they are dealing with when faced with potentially toxic gases.



GUARDION CWA • TIC • EXP • NARC GC/MS

This field portable chemical identifier uses Gas Chromatography/Mass Spectrometry (GC/MS) technology to identify volatile and semi-volatile organic compounds including CWAs and TICs. Considered the 'gold standard' for chemical identification, GUARDION can identify single or multiple substances in trace quantities which may go undetected by other technologies.



MMTD CWA • TIC • EXP • NARC IMS

Designed to determine a broad range of threats using one system, the MMTD is a rugged, hand-held detector which identifies explosives, narcotics, TICs and CWAs from a single sample. The exterior is tough enough for the frontline soldier who needs a portable threat detector in the field. A remote, unattended operation capability via Wi-Fi or Ethernet enables the connection of multiple units to monitor the status and alarms from each device.



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 suitable 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 suitable for explosive ordnance disposal technicians, civilian bomb squads and hazmat teams.



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 (such as a corporate headquarters) when screening baggage or personnel for explosives.



SABRE 5000 WA • TIC • EXP • NARC IMS

Optimised to detect in vapour 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.



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.



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.



Cost effective service contracts designed to minimise unplanned down-time





→ TRAINING AND SERVICE

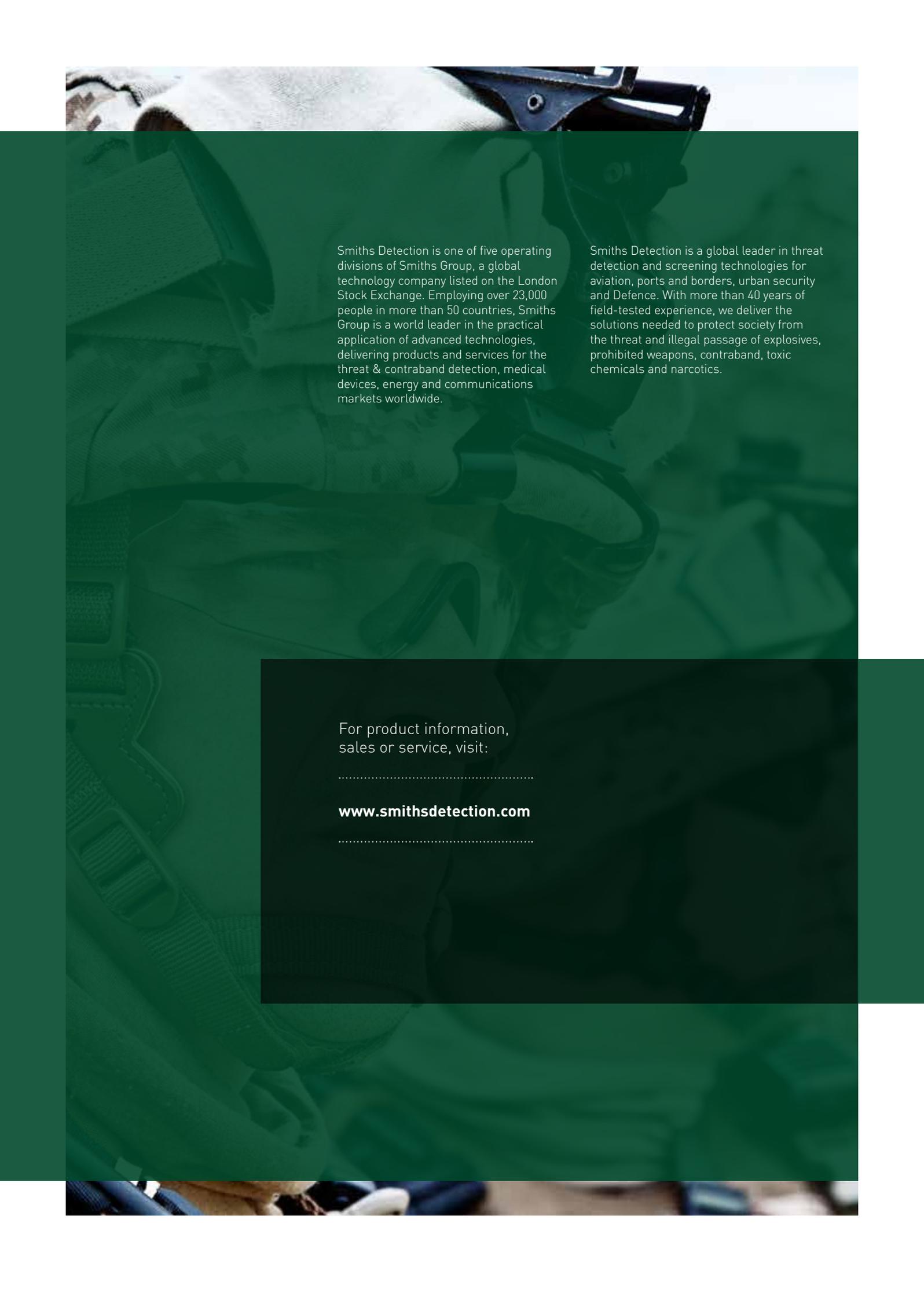
All our products are built using advanced technology and designed for ease of operation. Acquiring the skills to effectively operate and maintain Smiths Detection products in the field ensures they can reach full detection performance. Therefore, full training is provided on all our desktop and handheld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

Certified instructors employ both classroom presentations and hands on training to fully prepare personnel in the use of Smiths Detection 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 programmes are designed to eliminate additional maintenance and the expense of emergency repairs and minimise unplanned downtime.

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



Smiths Detection is one of five operating divisions of Smiths Group, a global technology company listed on the London Stock Exchange. Employing over 23,000 people in more than 50 countries, Smiths Group is a world leader in the practical application of advanced technologies, delivering products and services for the threat & contraband detection, medical devices, energy and communications markets worldwide.

Smiths Detection is a global leader in threat detection and screening technologies for aviation, ports and borders, urban security and Defence. With more than 40 years of field-tested experience, we deliver the solutions needed to protect society from the threat and illegal passage of explosives, prohibited weapons, contraband, toxic chemicals and narcotics.

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