

smiths detection

→ MAKING
THE WORLD A
SAFER PLACE





KEEPING SOCIETY SAFE



Every minute of every day, our detection and screening technology helps to protect people and infrastructure, making the world a safer place.

Smiths Detection is a global authority on the application, management and manufacture of world-class detection and screening technology. We deliver the solutions you need to protect society from the threat and illegal passage of explosives, prohibited weapons, contraband, toxic chemicals and narcotics.

Known for our best-in-class expertise, equipment and support, customers rely on Smiths Detection to help them make the world a more secure place. With over 40 years' experience, our mission is to use technology to develop innovative solutions and services which protect life, safeguard society and uphold the free flow of trade.



Our goal is simple - to provide the security, peace of mind and freedom of movement upon which the world depends.

Delivering an unrivalled range of detection technologies, we support customers in four market sectors: aviation, ports and borders, urban security and the defence. Each relies on our experience, knowledge and track record, to ensure the safety and security of people and assets.

AVIATION

Airports, airlines and authorities around the world trust Smiths Detection to deliver integrated solutions that provide not only security, but the operational efficiency and scalability they need to keep their passengers moving and infrastructure safe.

PORTS AND BORDERS

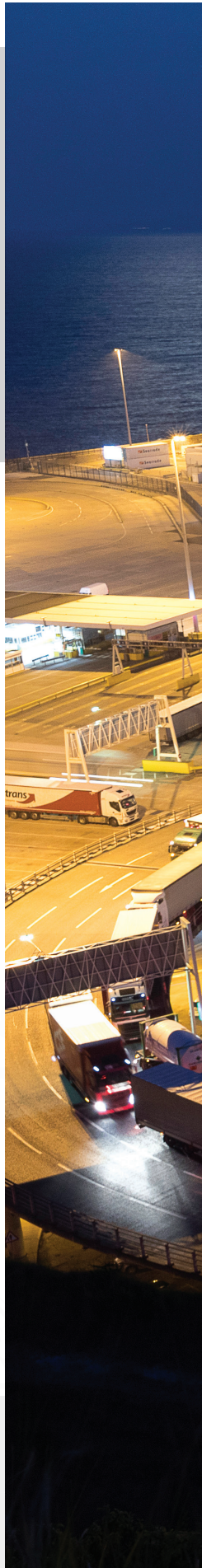
In the face of escalating cross-border smuggling, authorities need rigorously to monitor imports, exports, transit traffic and people for illicit goods, dangerous materials – or other people. Smiths Detection provides technologies that limit illegal activities and minimises threats, without affecting global trade.

URBAN SECURITY

Government authorities and emergency responders across the globe face security challenges in urban environments that range from transportation networks to government buildings, and from prisons to public spaces. All are vulnerable. Smiths Detection delivers cost-effective and efficient solutions to respond to threats that change rapidly, by constantly investing in new technologies and solutions.

DEFENCE

Over the 40 years that Smiths Detection has worked with the defence, we have gained significant insight into the needs of armed forces, as well as experience in applying smart science to the frontline. Our low-maintenance, reliable equipment can produce accurate, real-time information about traces of explosives or other suspect materials on people, packages, vehicles or surfaces.





→ SECURITY AND
PEACE OF MIND





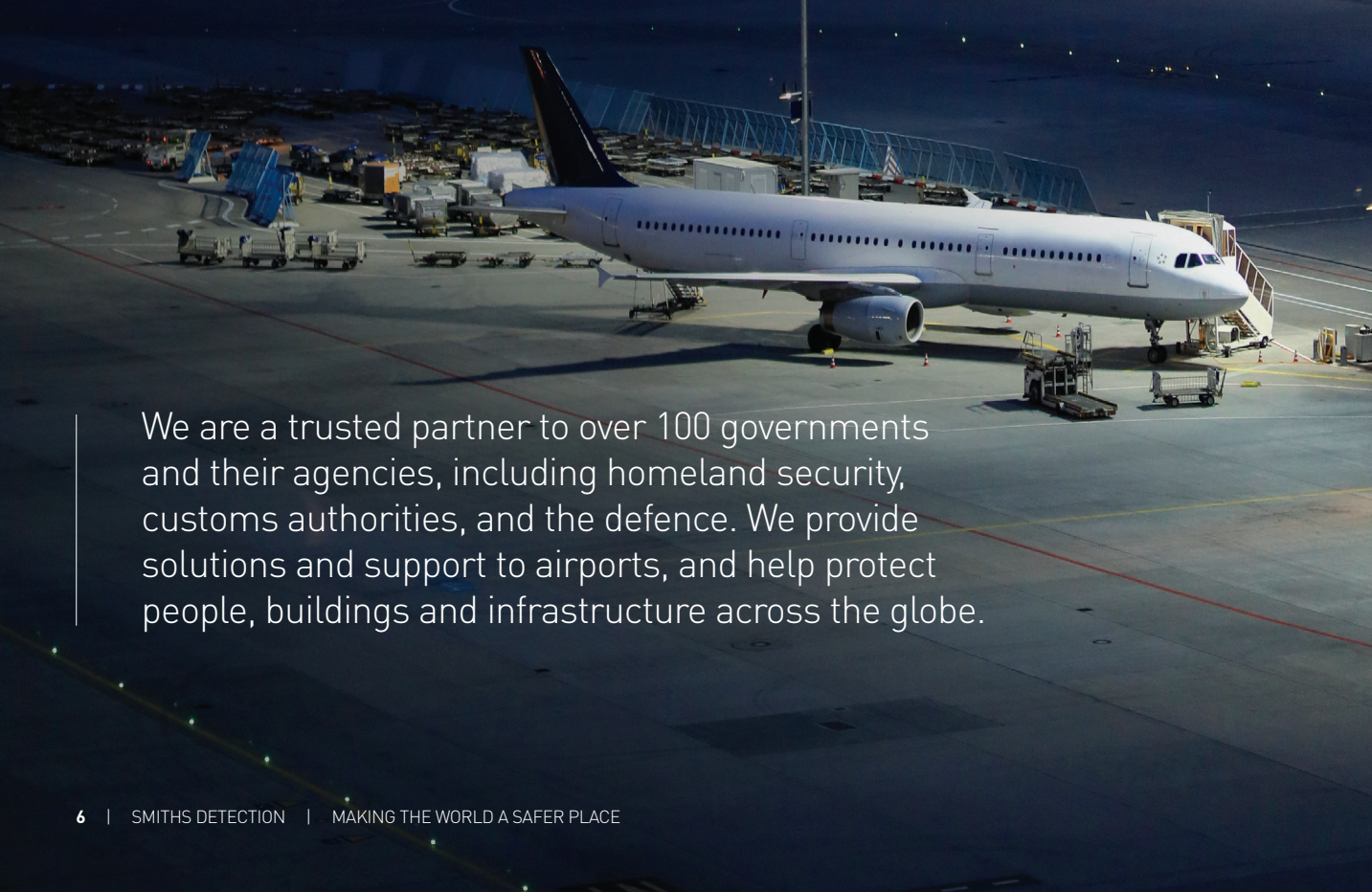
A TRUSTED PARTNER

At Smiths Detection, we draw upon our extensive knowledge of security operations to collaborate with our customers and partners in implementing scalable security detection solutions that address their diverse needs.

Our solutions comply with the most stringent civil and defence standards and are engineered to maintain-or improve-operational

performance. We liaise closely with global regulatory authorities to ensure that our equipment is fully certified.

Combining complementary technologies to deliver the best scalable, multi-layered detection solutions, Smiths Detection continually sets new industry standards: you can trust our track record in security and safety.



We are a trusted partner to over 100 governments and their agencies, including homeland security, customs authorities, and the defence. We provide solutions and support to airports, and help protect people, buildings and infrastructure across the globe.



Customer Focus

COCHIN AIRPORT GEARS UP FOR FUTURE DEMAND

After partnering with Smiths Detection, Cochin International is the first airport in India to screen all hold baggage with computed tomography (CT)-based explosives detection systems (EDS). Four of our high-speed CTX 9800 DSi systems have been installed as the airport prepares to handle anticipated air traffic growth. The airport's director, Mr. A.C.K. Nair, said: "Working with Smiths Detection to automate and enhance hold baggage screening capabilities is an important part of our infrastructure plan to meet the demands of domestic and long-haul growth over the next 20 years."

To ensure maximum uptime and performance, Smiths Detection's onsite network of expert engineers and technicians will be providing preventative and rapid-response services for a minimum of ten years.

NEW X-RAY CONCEPT DEVELOPED FOR US GOVERNMENT AGENCY

When a major US government agency wanted a mobile X-ray unit to handle larger packages, there was nothing on the market to meet the brief. Smiths Detection took on the challenge and designed and developed the ScanVan in record time – less than a year from contract to concept, regulatory approval and delivery to the customer.

This project was led by the Smiths Detection facility in Alcoa, Tennessee, and involved research and development (R&D) teams in Wiesbaden, Germany and Edgewood, Maryland. The sales team mapped out the overall requirements together with associated technical specifications and target costs; and from there, R&D went on to develop the equipment.

STATE-OF-THE-ART SCREENING AT COPENHAGEN AIRPORT

To meet 2015 European Union (EU) regulations aimed at increasing the detection of non-metallic threat items, Copenhagen Airport has introduced new passenger screening equipment which not only increases security and operational efficiency, but also improves the working environment and customer satisfaction.

Before the installation, three different scanning systems were assessed at the checkpoint but one stood out – the eqo from Smiths Detection. It scored the highest marks in all of the areas tested including ease of integration into the checkpoint; total process speed; false alarm rate; and user and passenger friendliness. On entering the checkpoint, passengers are first screened with a standard metal detector. If this raises an alarm, the person is directed to the eqo to resolve the query. Here, the less intrusive process, open environment and direct communication with the screening operators appeals to both staff and passengers. "Customer service and satisfaction levels are very important to us," says Security Director, Johnnie Müller. "The dialogue between the passenger and the security staff at the checkpoint is vital to the overall flow, efficiency and customer service experience".

When the eqo system was initially integrated into 18 checkpoints it was the largest eqo installation in Europe. Further scanners have since been ordered.



EXCEPTIONAL CAPABILITY THROUGH TECHNOLOGY

From screening hold baggage to protecting deployed troops and emergency responders, we offer the broadest range of threat technology available.

Deploying a broad range of solutions based around X-ray imaging, computed tomography (CT), Ion Mobility Spectrometry (IMS) and a range of other sensing technologies, we accurately detect and identify hidden weapons, explosives, narcotics, contraband and toxic industrial chemicals.

Advanced technology, engineering and a rigorous Research & Development (R&D) programme driven by customer insight, enables us to help preserve life and keep society safe. Our comprehensive range of detection solutions, networking and software applications are matched only by our equally extensive knowledge and experience: Smiths Detection is the trusted partner of choice in this very demanding sector.

With a comprehensive portfolio of products and one of the largest ongoing investments in R&D, Smiths Detection offers flexible regulation-compliant solutions designed to drive operational efficiencies and productivity that benefit all the markets in which we operate.



Customers in almost every country across the world benefit from our global footprint and strong network of distributors and agents, who together provide comprehensive support. Smiths Detection manufacturing centres and Research & Development centres of excellence are located in Germany, France, Malaysia, the UK and the USA.

World-class service

PROACTIVE SERVICE AND SUPPORT

As a global authority in the field, Smiths Detection's local teams of on the ground technicians and engineers provide proactive and preventive maintenance to ensure our customers' detection solutions continuously operate in peak condition throughout the lifecycle of their investment. Leveraging a unique combination of sensor technology, data insight reporting and processes, our service teams are committed towards achieving uninterrupted availability on customers' equipment.

One of our greatest assets is our customer-centric approach, underlined by our excellent reputation for developing long term relationships with our customers. We work closely with customers to resolve any problems and have invested in the development of a global, highly proactive service network, along with the latest in data analytics and reporting to ensure that you have back up around the clock. You can also depend on Smiths Detection to meet delivery timelines and provide any necessary parts or supplies quickly and efficiently as a result of our extensive service network.

SEAMLESS DELIVERY

Our business processes - and especially our delivery performance - are based on structured programme management which ensures that departments throughout the organisation work together to maximise customer satisfaction.

As part of our continuous improvement philosophy, deliveries are monitored and evaluated to confirm strict compliance to specification and quality, while remaining on time and within budget.

Our proven methodologies enable us successfully, to manage the complexities, integration and interfaces of the delivery schedule. Adding the skills necessary for efficient contingency planning contributes to a seamless transition from manufacture to customer operations.

TRAINING THE FRONT LINE

Our world class service includes a comprehensive programme of training courses designed to prepare your personnel for the operation, installation, maintenance and minor repair of system components.

APPLIED SCIENCE

In the past ten years, Smiths Detection has invested over £500m in research and development to create new products, systems and technologies, to help protect the world against ever-changing threats.

The skills of our in-house scientists and engineers cover the entire spectrum from basic development to the integration of complex systems and data applications. They are supported by the expertise of leading academic institutions and government research establishments.

LEADING TECHNOLOGY

We introduced the world's first automatic explosives and liquid detection system; the first high-speed, hold baggage explosives detection system to combine multi-view X-ray technology with 3D computed tomography; and our ground-breaking chemical and trace explosives detectors and identifiers continue to lead the market in capabilities and portability.

ENGINEERING THE FUTURE

Looking ahead, our smart technologies will allow passengers to walk through the checkpoint without removing clothing, electronic devices, liquids, jewellery, keys or any other items from their person or baggage. Our next-generation chemical and trace explosives detectors will help protect against ever-evolving threat substances in a wide range of environments. Our planned investment in digital transformation, using applications such as the internet of things and big data analytics, will ensure that we remain at the forefront of technological development in the industry. Driven by a passion for advanced security technologies which can make the world a safer place, Smiths Detection is committed to innovation and evolution.

Smiths Detection invests in pioneering innovation, high-quality products and advanced technologies, offering solutions to fulfill today's - and tomorrow's fast-changing requirements.





→ TOMORROW'S
SAFER WORLD



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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