

smiths detection

FOCUS ON / PORTS AND BORDERS

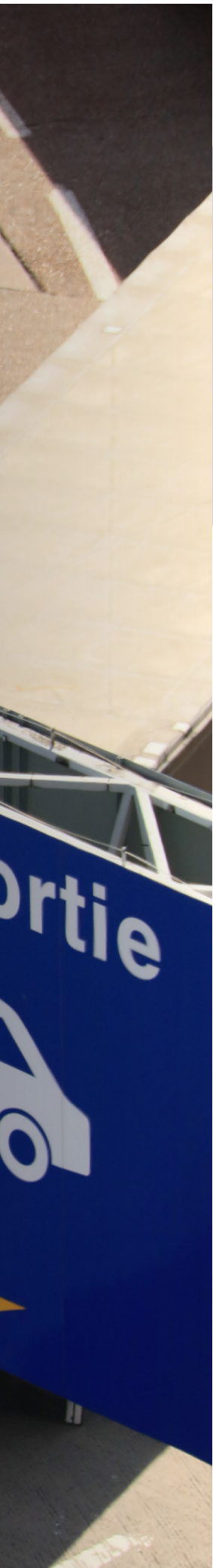
→ SECURING
VULNERABLE
SEA AND LAND
BORDERS



“Every interaction we have with Smiths Detection is seamless and no enquiry from us is ever an issue. Our HCVM T mobile inspection system is the first of its kind to be used in Luxembourg and we operate the system with a great sense of pride, to safeguard our borders.”

Guy Loesch, Head of Security Operations
Luxembourg Customs

ogistics



Protect border crossing points and combat the movement of illegal and undeclared goods

Port Authorities, Customs, border protection and security professionals' face ever increasing volumes of traffic at maritime ports, land border crossing points and city entrances. Often the first line of defence, they require strict controls to monitor the flow of imports, exports and transit traffic; whilst providing for faster clearance times, often with less resource availability.

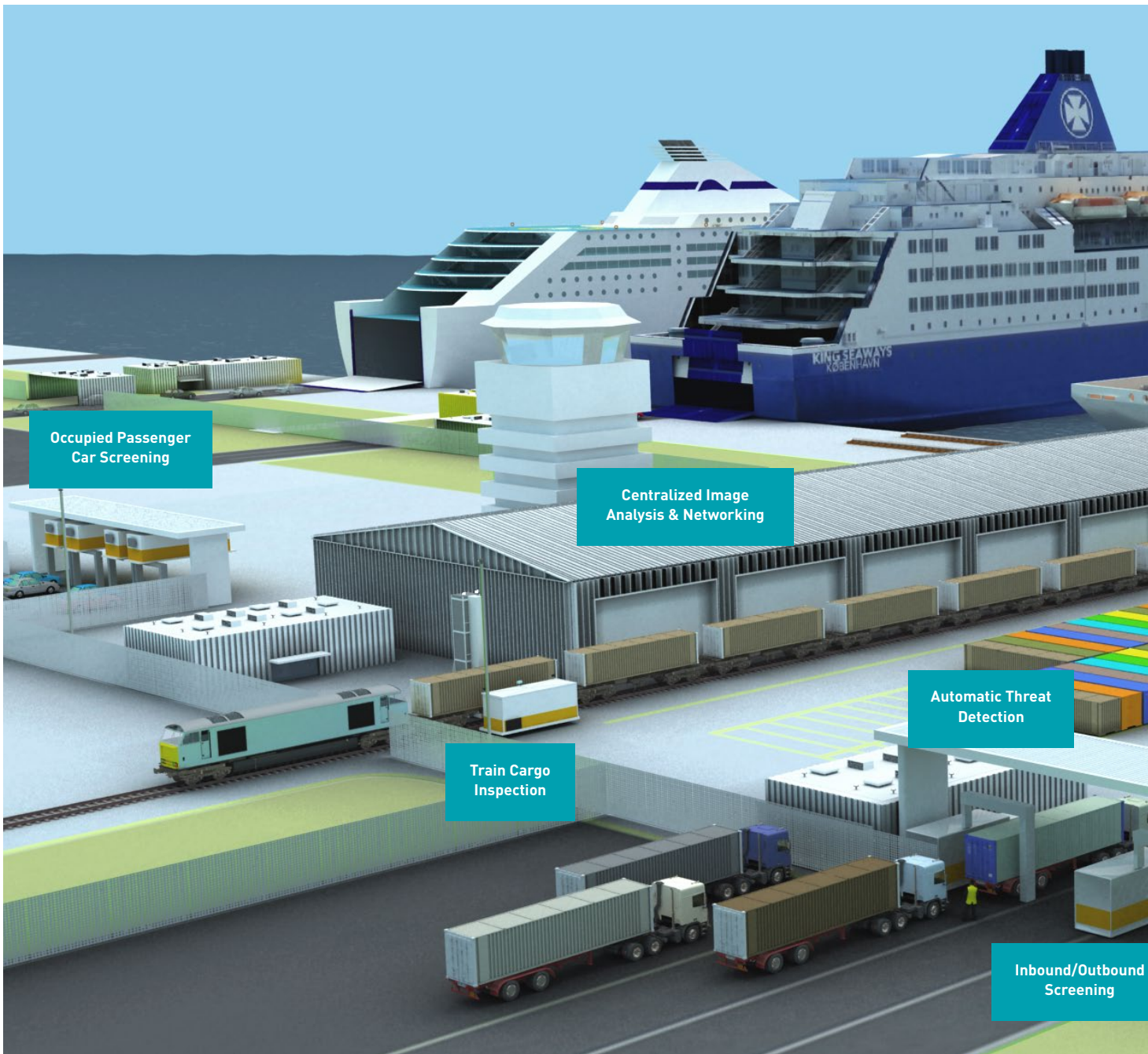
The correct solutions are essential to provide efficient and non-intrusive inspections. Our systems help authorities to target illicit trafficking networks by efficiently, reliably and accurately detecting and highlighting concealed materials such as drugs and illegal weapons, to identify individuals that have manipulated dangerous substances, with trace detectors able to identify a billionth of a gram of explosives on a person's hands, and to prevent costly tax evasion. Our X-ray inspection solutions deliver unparalleled image quality, providing accurate analysis

of loads, helping to highlight when further manual inspections are required. As a result inspection times are reduced; traffic-flows increase and dangerous or illegal material seizures can be effectively undertaken. Combined with our unique networking solutions, software applications and information security management system, Customs, border agencies and law enforcement can share vital knowledge in a rapidly changing world.

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

Over 70 countries rely on Smiths Detection's heavy cargo and vehicle inspection systems, designed to screen cars, cargo containers and transport vehicles of all sizes. And circa 26,000 explosives and narcotics trace detectors are used worldwide. Our systems are upgradable and maintainable on-site.





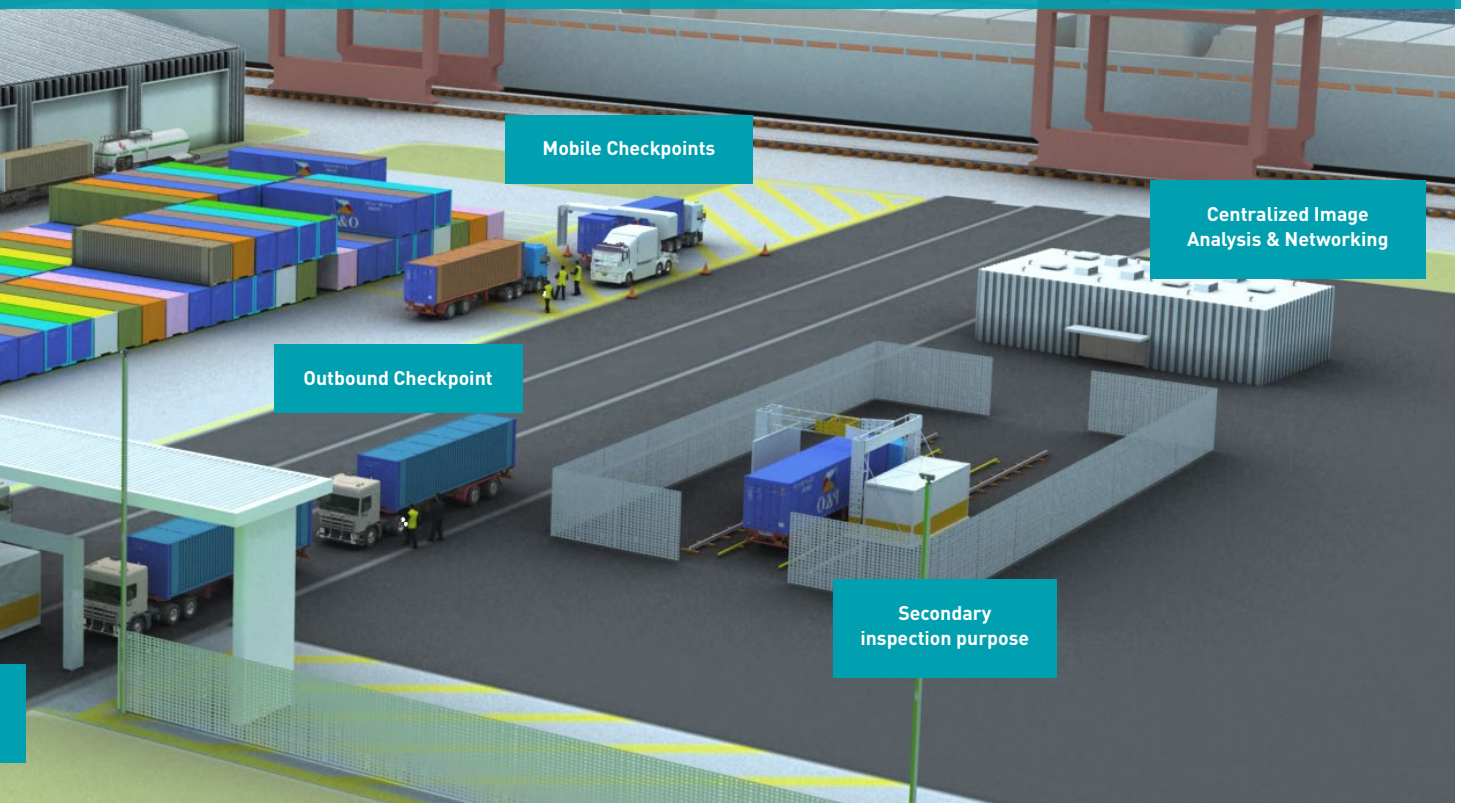
→ SPOT THE THREATS THAT CAN'T BE SEEN

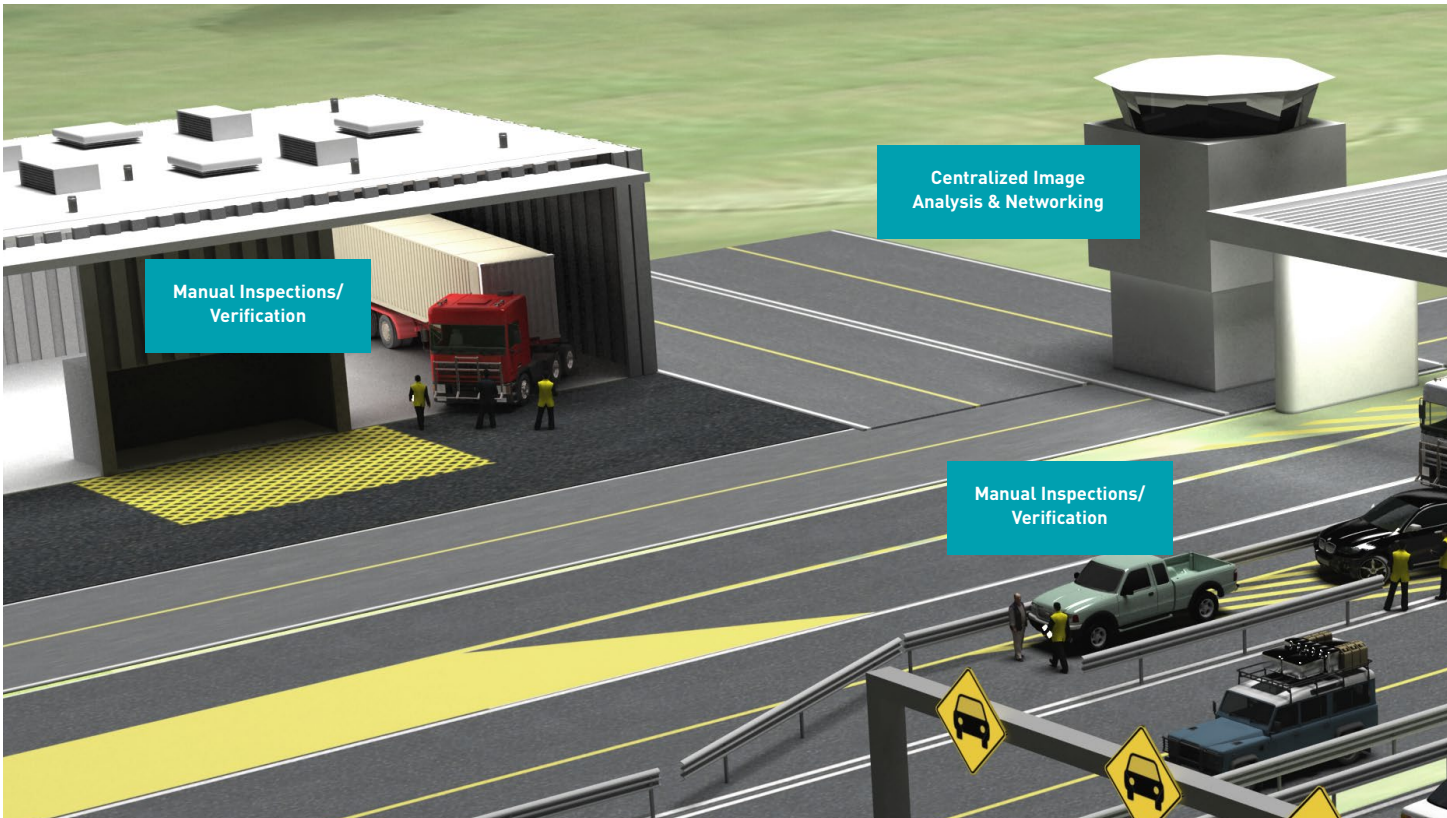
There is an estimated 9.5 million tons of loaded global sea-borne containerized freight processed through global ports every year, along with the continuous flow of inbound and outbound vehicle traffic.

Our high performance, versatile, and reliable systems provide a layered, risk based approach, providing the best solution at port entrances for scanning the complex cargo and dense contents of inbound and outbound vehicles, containers,

and pallets for concealed objects. As a result, security officials can prevent unlawful acts which threaten the safety of ships, passengers and their crew, without affecting the free-flow of global trade.

Shipping threats are primarily a security risk for the destination country and less so for the vessel or crew members (Pre shipment inspection can be key to reducing risk with exchange of image data with the authorities at destination).





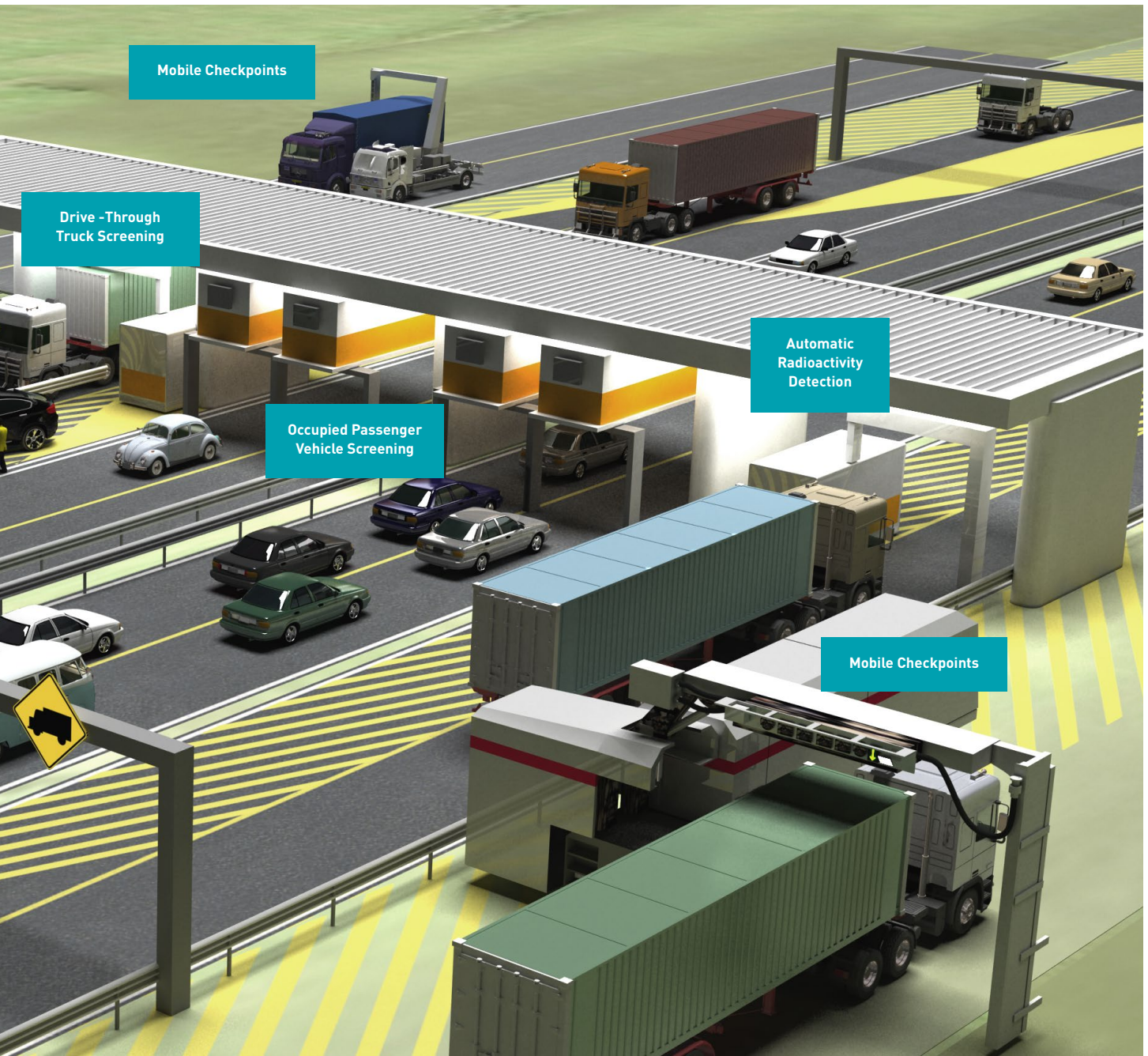
INTERCEPT ILLEGAL TRAFFICKING

Detect more, in less time

Customs and Border Protection officials play a vital role in protecting border crossing points especially within landlocked countries. From the entry of illegal and harmful goods, whilst ensuring a constant flow of goods, services and people. Our systems help law enforcement personnel to target illicit trafficking networks by highlighting concealed materials such as drugs, and illegal weapons hidden inside vehicles e.g. inside seats, doors, frame, fuel tanks or underneath vehicles.

Where regulations permit, low dose radiation system can scan whole vehicles and their passengers and 100% screening solutions can be easily integrated into existing road lanes, without affecting current operational procedures.

We help to keep traffic continuously moving, and highlight the threats that can't be seen through quick, efficient and reliable image analysis.



IT'S ALL ABOUT THE IMAGE

Inspect more cargo, in less time and uncover more targets; stop fraudsters in their tracks.

Intuitive and advanced image evaluation solutions offer market leading options for the fast and effective analysis of cargo; from vehicle recognition and coloured material discrimination to the automatic detection of cigarettes and monitoring cargo for dangerous levels of radioactive materials.

With the correct tools; operators can focus on the detail, make fewer mistakes and increased their efficiency and make our borders safer.

Our superior image quality and detection capabilities efficiently support our customers mission with future need of automation and exchange of image data.



GLOBAL COLLABORATION, COOPERATION AND INFORMATION EXCHANGE

Operators can easily share all cargo data, images and files from our scanning solutions through the Dataset Management System (DMS) network, whilst optional Optical Character Recognition (OCR) cameras and software capture vehicle licence plate and/or container ID numbers, for reference against a central database.

DMS can also help to reduce time and operational costs, by supporting remote monitoring activities across multiple sites, locations and organisations as required.

SERVICE • TRAINING • SUPPORT

We've got it covered and are with you every step of the way.

Our knowledge experts provide your staff with the required skills for the job in hand; from basic product operation and maintenance training, to customized image interpretation and advanced courses to strengthen and empower decision making capabilities.

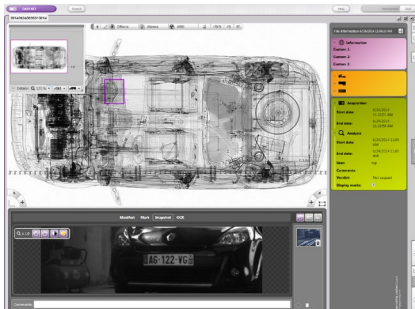
Quick and proficient global servicing and repair networks ensure your chosen solutions are effectively installed and are always fully operational, reducing delays and costly downtimes. Product lifecycles are further extended through routine and corrective maintenance, prompt spare parts delivery, and next generation software upgrades.

We pride ourselves on delivering you with superior service, to match our advanced solutions, anywhere, anytime.

IMAGE ANALYSIS SOLUTIONS

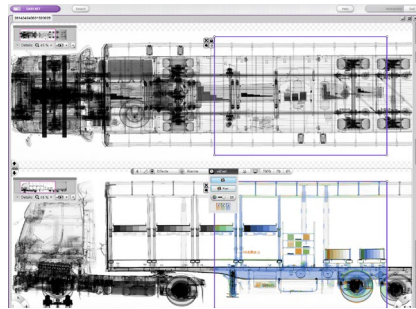
Our intuitive and advanced software and hardware solutions offer outstanding image resolution for fast and effective analysis. From cigarette detection to the controlled monitoring of radioactive substances.

All our HCV inspection systems can be equipped with a variety of tools, algorithms and deep learning machines options, to aid Customs and Security operators to quickly and reliably deliver detailed analysis; increasing throughput and protecting country borders and entry points against the illegal movement of contraband, alcohol, explosives, arms, dirty bombs and other illegal substances.



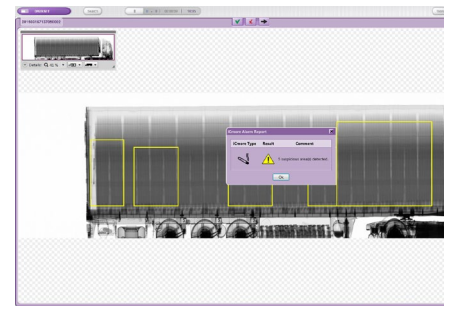
DaiSy™

All the HCV inspection systems are equipped with our clear and customizable graphical user interface DaiSy, offering a range of image treatments and tools.



viZual™

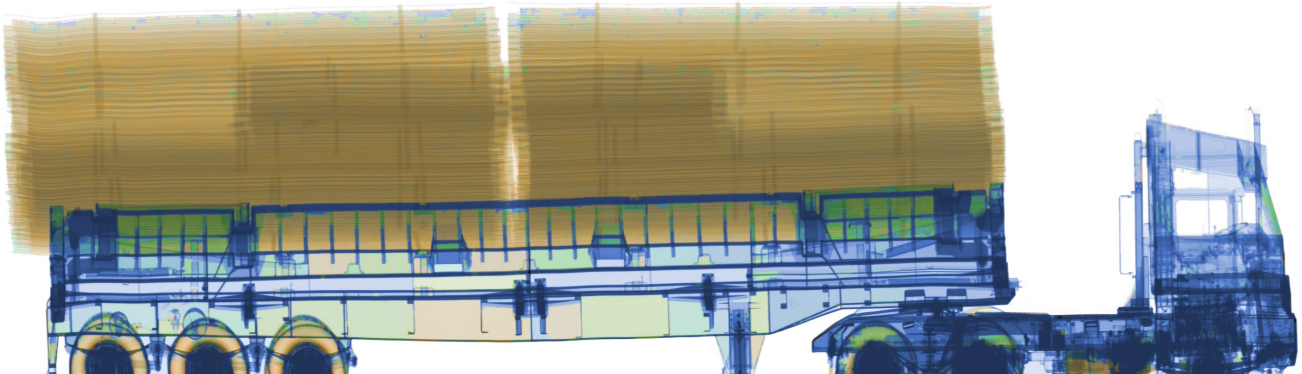
viZual is a high performance organic/inorganic imaging capability, delivering material discrimination by colourisation, linked to the atomic number; helping to highlight differing materials and anomalies hidden within the cargo.



iCmore™

The iCmore suite of software enhancements provide image operators with automatic or assisted recognition of targets or potential threats. Current automatic options include cigarette detection, gamma and/or neutron radiation detection, non-homogenous and non-empty container recognition.

- Remove the guess work
- Increase efficiency and reduce analysis time
- Focus your eyes on common threats/targets
- Display suspicious cargo



The range of X-ray screening systems, passenger screening and handheld solutions are designed to optimise security checks.

CONTAINER AND VEHICLE SCREENING



HCVM

Perform inspections at any location with our high specification mobile scanner, available as a truck or towable trailer. HCVM incorporates a comfortable operator's cabin for up to 8 personnel (trailer model).

HIGH VOLUME SCANNING



HCVP

Screen high volumes of vehicles with this stand-alone, drive-through solution. Vehicles are driven through the HCVP at low speed (the driver's cabin is not scanned).

AUTOMATIC DRIVERLESS SCANNING



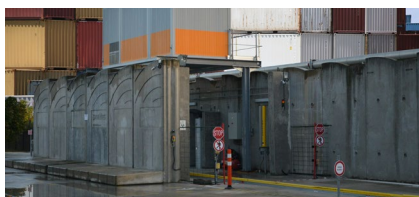
HCVG

This automatic scanner moves along the vehicle during the inspection process, delivering X-ray images of the entire vehicle, including wheels and fuel tank.



HCV e Series

Ultra-light and compact scanner, ideal for use where minimal footprint is available. Truck, towable trailer, and portal models available.



HCVL

HCVL is a medium energy system for screening high volumes of fully loaded light vehicles, including cars, vans, minibuses and mobile homes. HCVL is available in drive-through or conveyor configurations.



HCVS

The highest end product providing incomparable image quality and detection capabilities. It can be used as a primary inspection system but also as a second level of inspection to clear alarms detected by other scanners.

LIGHT VEHICLE SCANNING



CIP-300

CIP-300 compact; Screen vehicles in drive through configuration. For optimized throughput and small physical footprint (ANSI 43.17 compliant). CIP-300 conveyor; Inspection of the unmanned vehicle (no radiation exposure). Even increased image quality through steady movement of the scanned vehicle.



HCVT

HCVT provides a powerful, compact platform for inspecting freight wagons and transported maritime containers. Integrated manifest verification tools reduce the need for manual inspection.



Inspect containers and whole trucks, containers, vehicles, people and their belongings, for explosives, narcotics, contraband and other dangerous or illegal objects.

CARGO SCREENING



HI-SCAN 180180-2is pro

Developed for the inspection of large-scale consolidated and palletized goods. The system provides a vertical and a horizontal view which ensures quick image evaluation to detect threats and suspicious objects.



HI-SCAN 145180-2is pro

The tunnel dimensions of 1450 mm (57") width and 1800 mm (71") height is especially suitable for the inspection of air cargo transported on standard Euro, British or US pallets.

CHEMICAL AND TOXIC SUBSTANCES



IONSCAN 600

A portable and lightweight detector, for the identification of trace explosives or narcotics. IONSCAN 600 is non-radioactive and removes the need for specialised handling, procedures and paperwork.



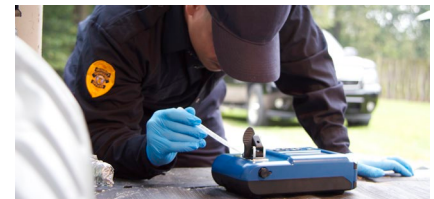
RadSeeker

The RadSeeker supplies the operator with quick, simple, specific information for radiation threat assessment, eliminating the guesswork.



SABRE 5000

The smallest and lightest tri-mode (explosives, narcotics, CWA/TIC) detector available. Optimized for the detection of peroxides; commonly used in the development of home-made explosive devices.



Target-ID

Specifically developed to support narcotics interdiction efforts; combining power, speed, and accuracy to identify narcotics, precursors, cutting agents and common chemicals.





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.

For product information,
sales or service, visit:

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www.smithsdetection.com
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