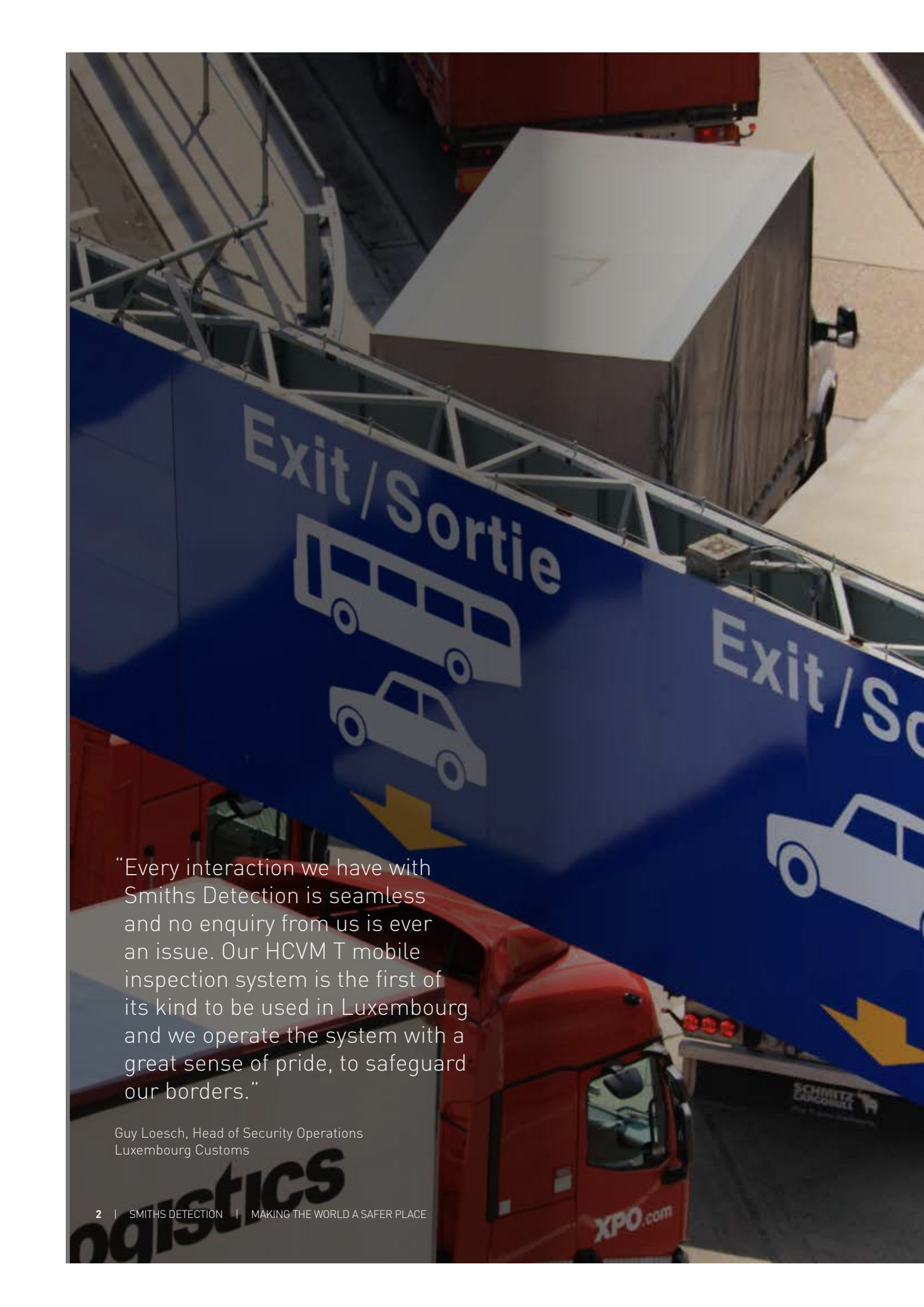


smiths detection

FOCUS ON / PORTS AND BORDERS

→ SECURING  
VULNERABLE  
SEA AND LAND  
BORDERS

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



“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





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

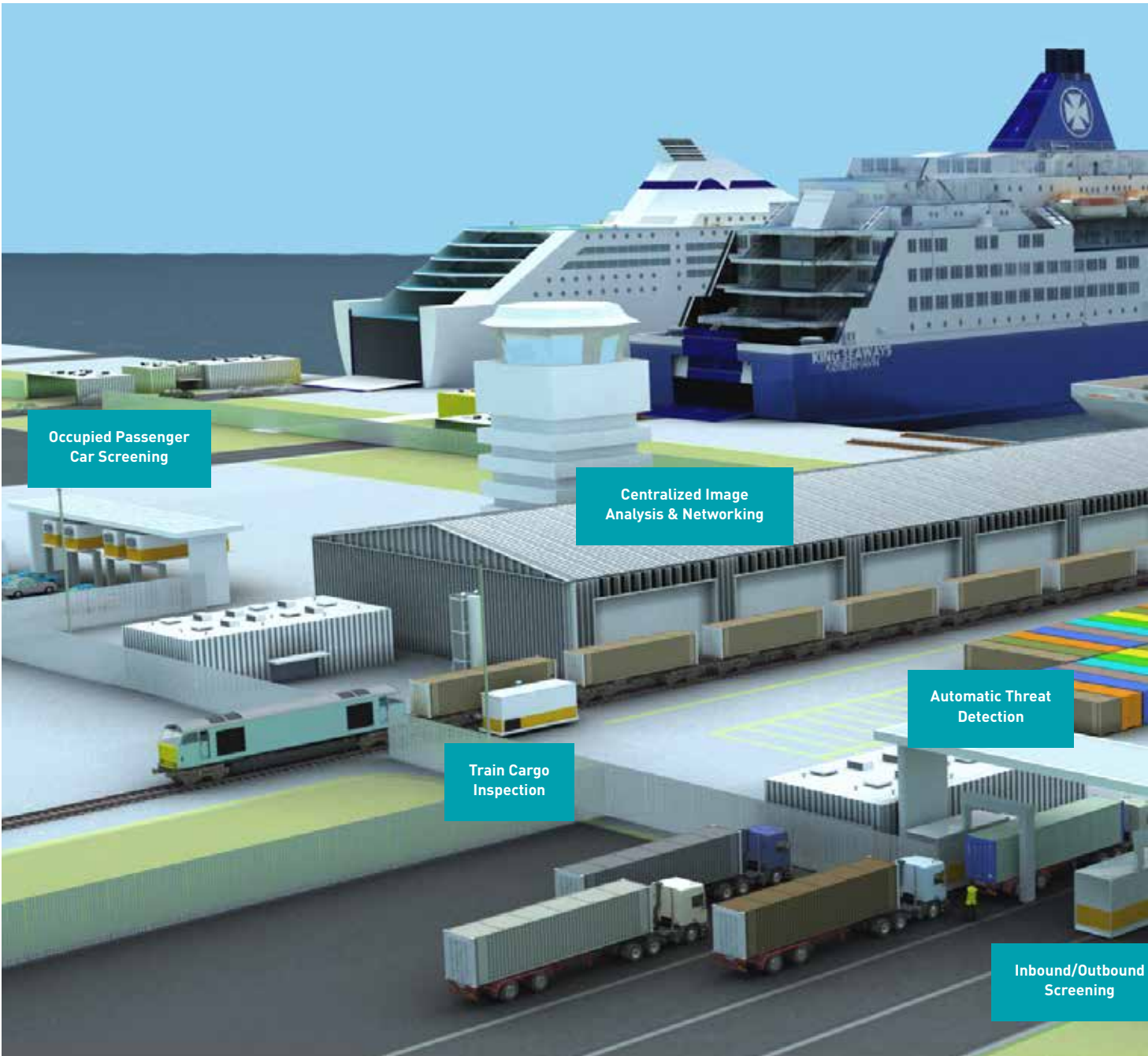
Port Authorities, Customs, border protection and security professionals' face ever increasing volumes of traffic at maritime ports, land border crossing points and city entrances. Often the first line of defence, they require strict controls to monitor the flow of imports, exports and transit traffic; 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 efficiently, reliably and accurately detect and highlight concealed illicit goods and 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, 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.





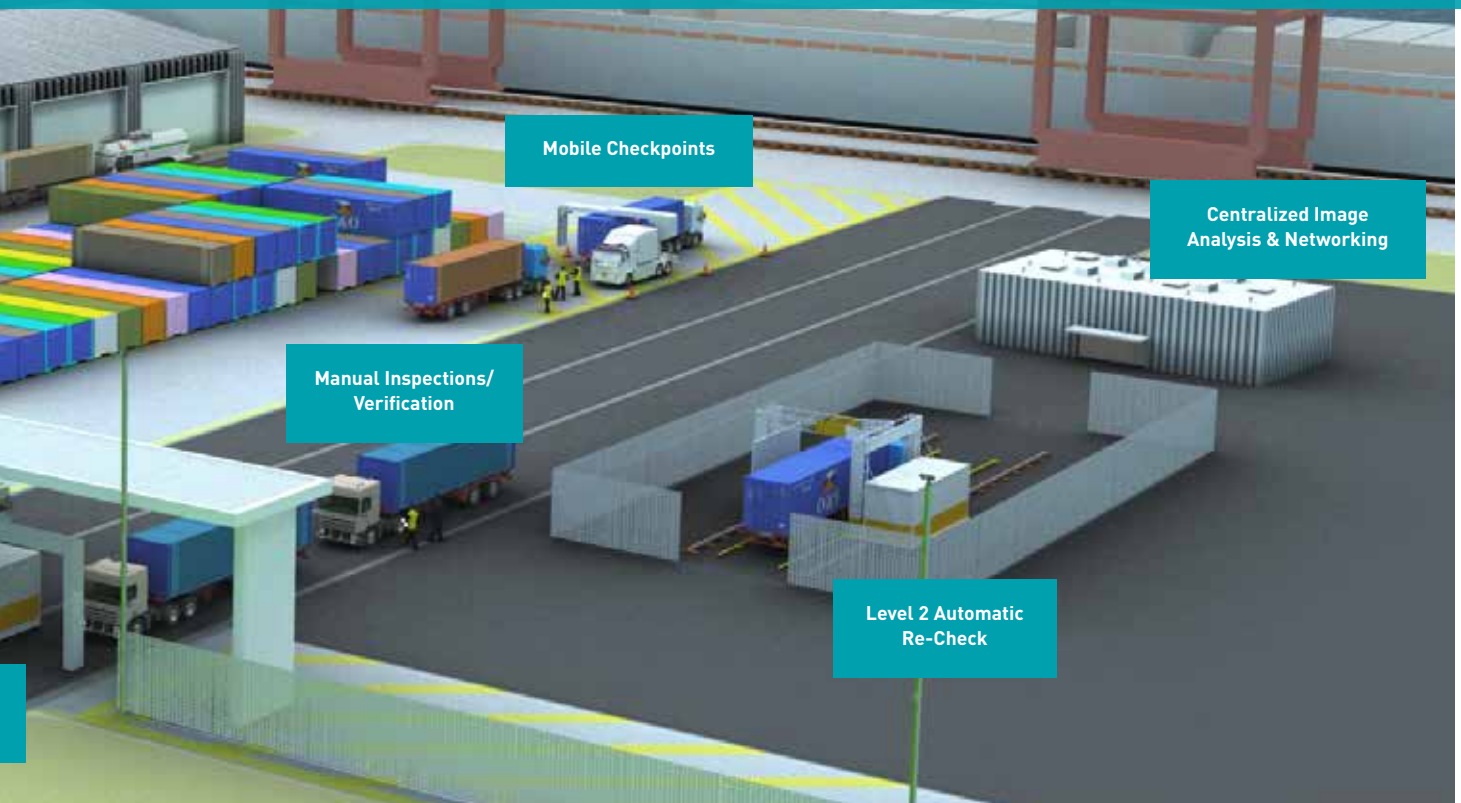


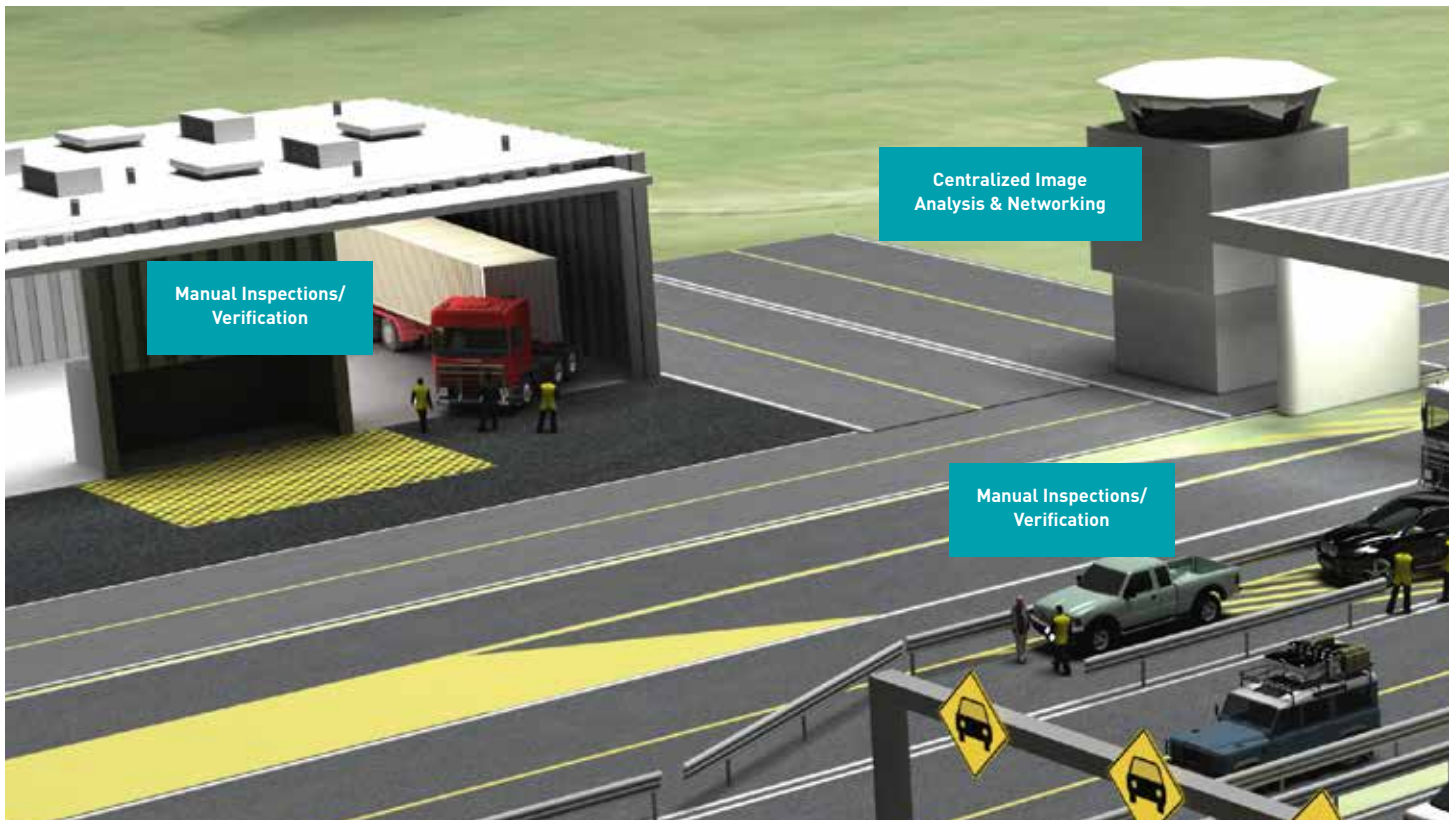
# → SPOT THE THREATS THAT CAN'T BE SEEN

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.





# → INTERCEPT ILLEGAL TRAFFICKING

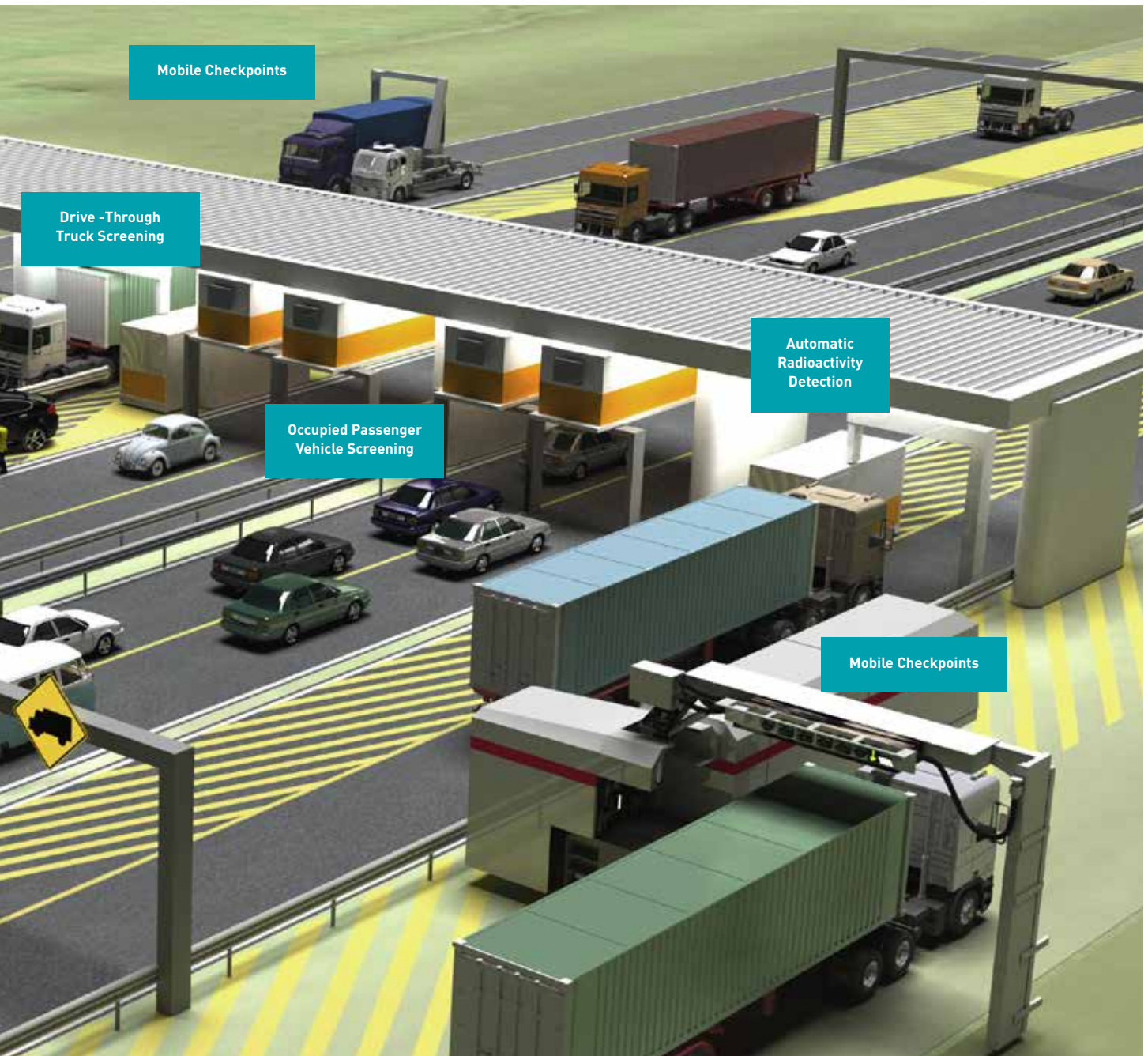
Detect more, in less time

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 images support us towards the future of automation.



## 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

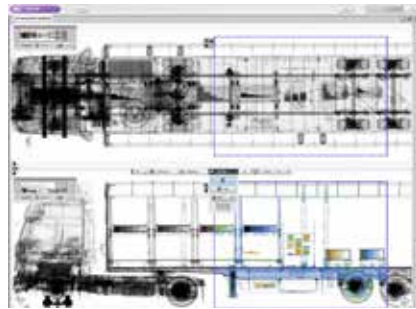
Our intuitive and advanced software and hardware solutions offer outstanding image resolution for the fast and effective analysis of cargo. From cigarette detection to the controlled monitoring of radioactive substances.

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



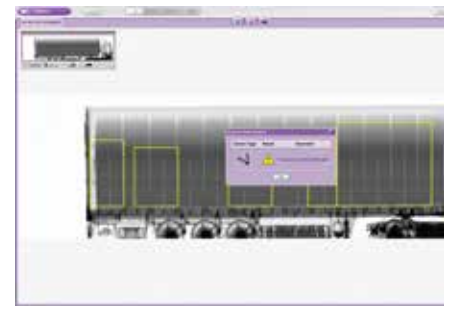
### DaiSy™

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



### viZual™

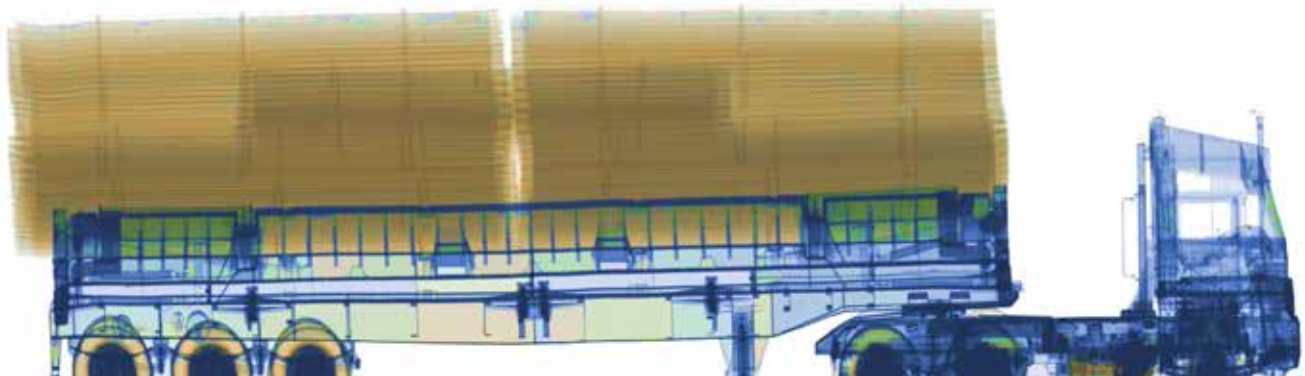
viZual is our high performance organic/inorganic imaging capability, delivering material discrimination by colourisation, linked to the atomic number; helping to highlight differing materials and anomalies hidden within the cargo.



### iCmore™

Our 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



# Our 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 in space confined areas. 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

Dedicated vehicle scanning facility for heavy traffic locations, such as container ports and terminals.



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

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



HazMatID Elite

High performance solution for the identification of unknown liquid and powder substances, providing alerts in 60 seconds or less.



RadSeeker

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



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.




Target-ID

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



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.



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:

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