

smiths detection

FRONTEX Industry Days

September 24, 2019, Warsaw

ABOUT SMITHS DETECTION

Smiths Detection operates in 4 key markets,

supporting Law Enforcement and Military communities on their daily missions to protect our societies from CBRNE (chemical, biological, radiological, nuclear and explosives) threats



AVIATION



PORTS & BORDERS



URBAN SECURITY



DEFENSE

€903m revenue in FY19 (Aug 2018 – July 2019)

Centres of Excellence in France, Germany and the U.K.

c. 3,000 employees

Our global presence

Technology centres of excellence and manufacturing

Wiesbaden, Germany

Paris, France

Hemel Hempstead, UK

Edgewood, USA

Newark, CA, USA

Manufacturing sites

Johor Bahru, Malaysia

Alcoa, USA

- Manufacturing centres
- Sales/ Service centres



Our solutions

Smiths' threat detection systems

Workflow Solutions



- Workflow management
- Predictive maintenance

Operations



- IcMore operator assistance
- DMS
- Reporting
- Cybersecurity

Networks



- Remote operations
- Wide Area Networks

Scanners and sensors



- Conventional X-Ray
- High energy X-Ray
- Computed Tomography
- IMS / Raman / FTIR

Smiths' threat detection system for Frontex



Smiths' threat detection systems



BAGGAGE & PEOPLE SCREENING

→ SCREENING SYSTEMS

PARCELS & BAGGAGE CXS



HI-SCAN 6U40aX
HI-SCAN 6040C
HI-SCAN 6040i
HI-SCAN 6040-2is SR

CHECKPOINT EDS



HI-SCAN 6040-2is HR
HI-SCAN 6040aTiX
HI-SCAN 7555aTiX
HI-SCAN 6040 CTiX

HOLD BAGGAGE EDS



Automatic high speed non-intrusive inspection of baggage and goods
HI-SCAN 10080 XCT
HI-SCAN 10080 EDX -2is
HI-SCAN 10080 EDS

PEOPLE SCREENING



People screening system using millimetre-wave technology to detect concealed objects on the body.

CARGO/TRUCKS



(International version) Mobile cargo inspection system (trailer unit).

LIGHT VEHICLES



High throughput light vehicle scanning system.

CARGO/TRUCKS



Gantry - Flexible modular concept for X-ray container scanning system.

MOBILE SCREENING



→ TRACE DETECTION

IONSCAN 600



Portable non-radioactive desktop system for simultaneous detection of explosives and narcotics

TRACE-PRO



Hand-held, non-radioactive explosives trace detector.

→ CHEMICAL DETECTION

ACE-ID



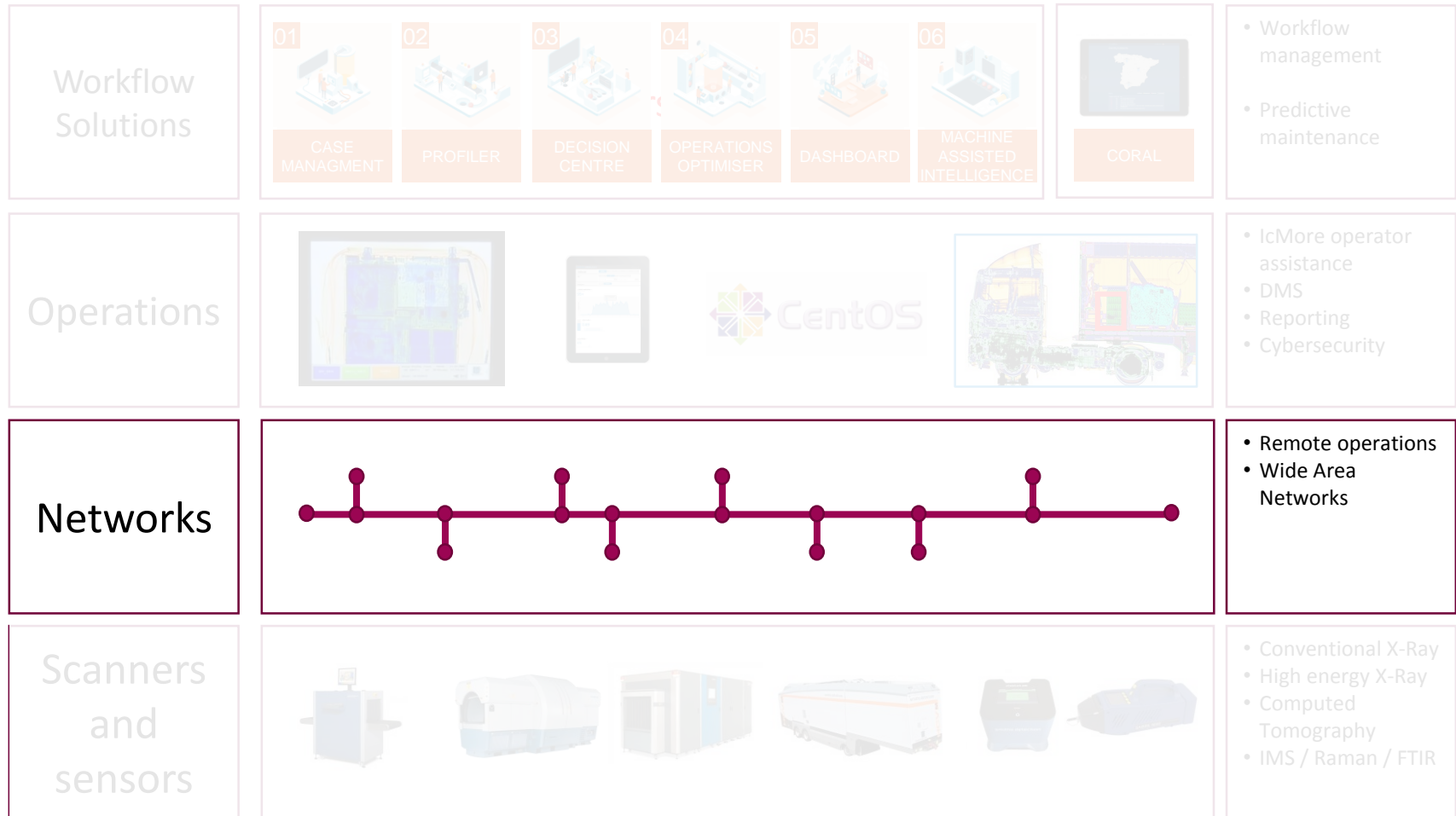
Hand-held non-contact Raman identifier for solid and liquid explosives and precursors.

HazMatID Elite



Next-generation hand-held FTIR for identification of solids and liquids.

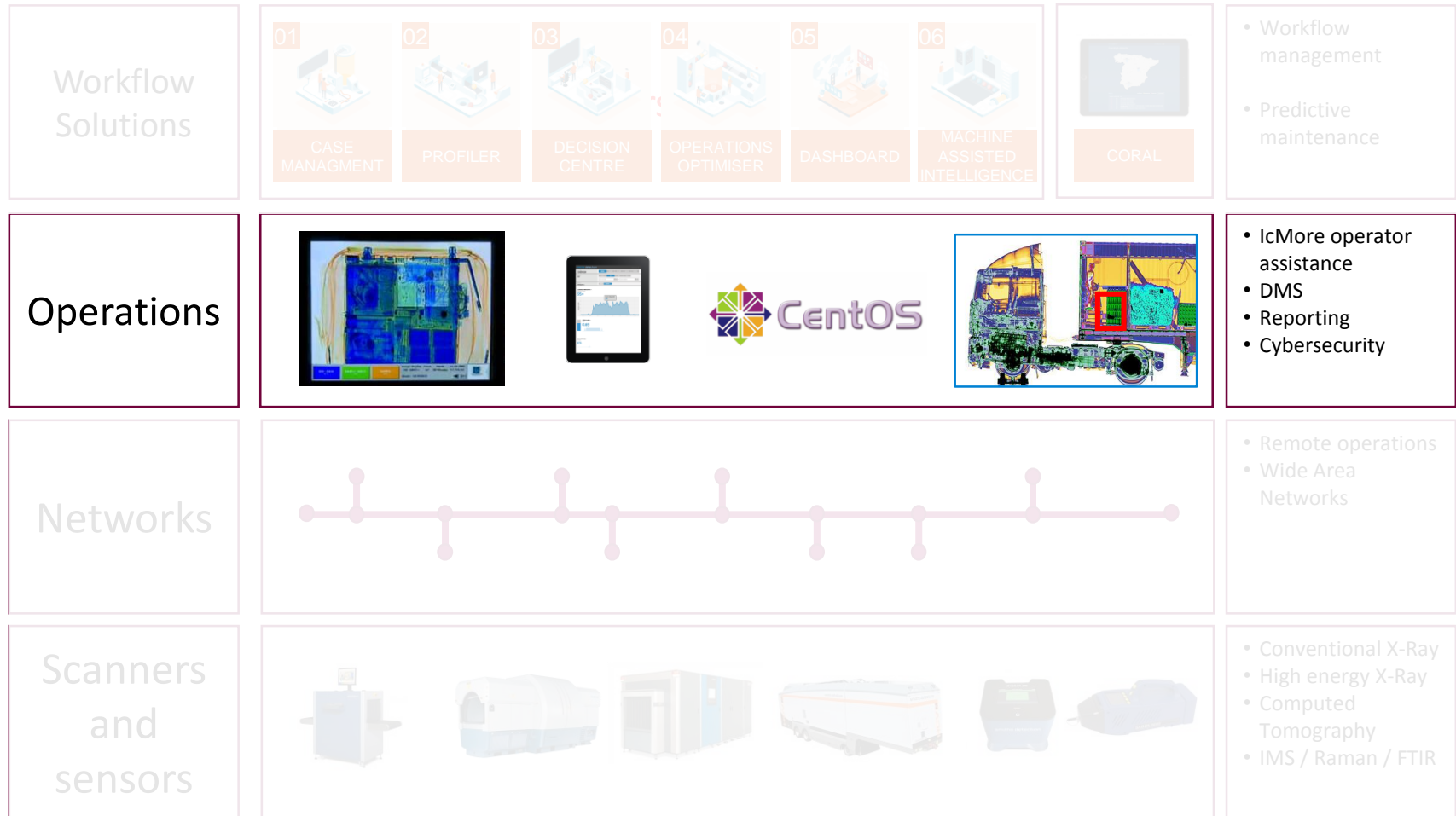
Smiths' threat detection systems



R2S remote diagnostic system



Smiths' threat detection systems



iCmore artificial intelligence demonstration

iCmore Weapons and Refrigeration Unit were demonstrated as part of the EU ACXIS projet

www.acxis.eu

" It's amazing to have reached such results, pulling together suppliers, end-users and academics"

EU Project Lead



smiths detection



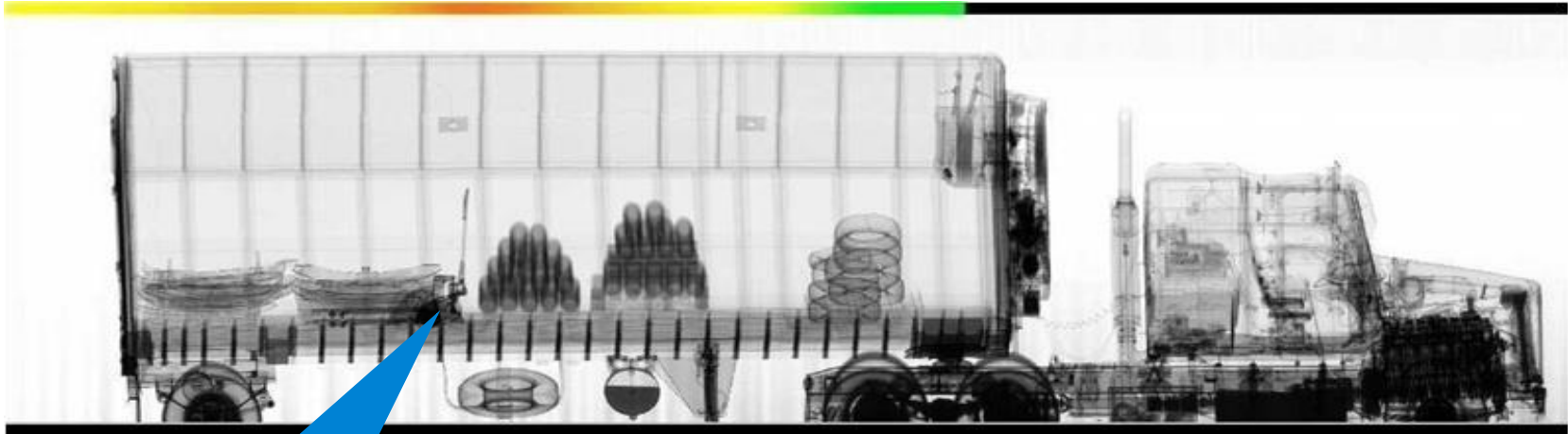
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Eidgenössische Zollverwaltung EZV
Administration fédérale des douanes AFD
Amministrazione federale delle dogane AFD



Douane
Belastingdienst

iCmore™ Radioactivity

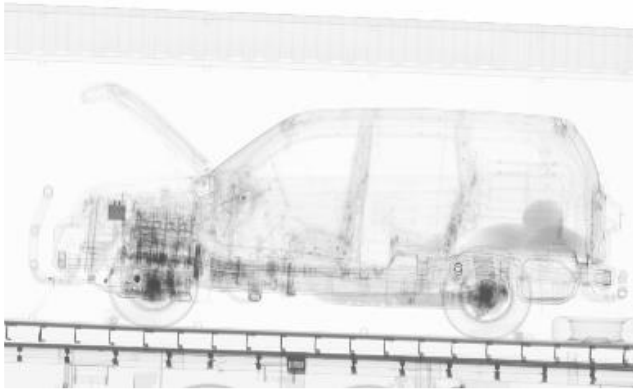


- Automatic detection of Gamma, Neutron
- Automatic process in one pass
- Combination of technologies
- Fully integrated system
- False alarms minimized
- ANSI 42.35-2004 compliant

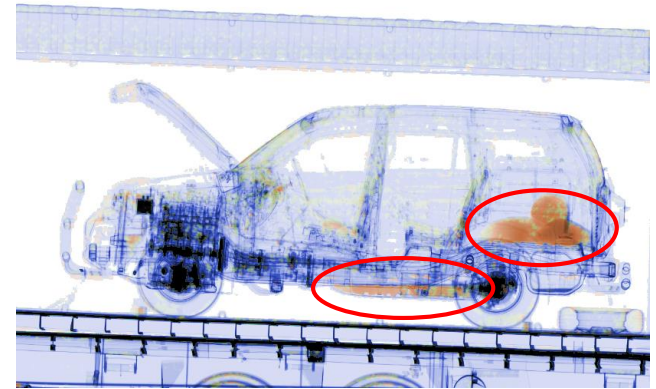
viZual™ : Material Discrimination at High Energy

Material discrimination use examples:

- ViZual Organic use example: Drug seizure



viZual function

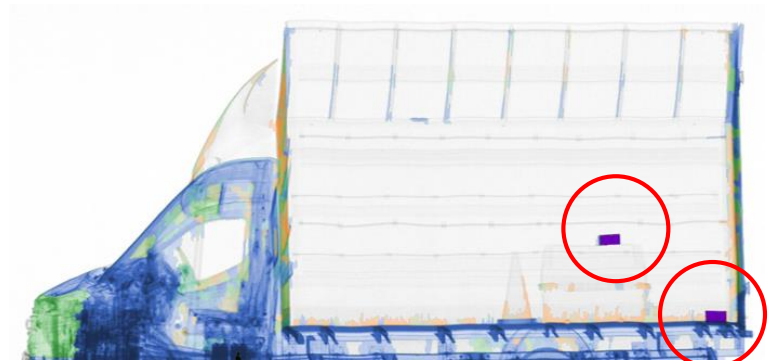


Cannabis in the car

- viZual High Z use example: Lead shielding



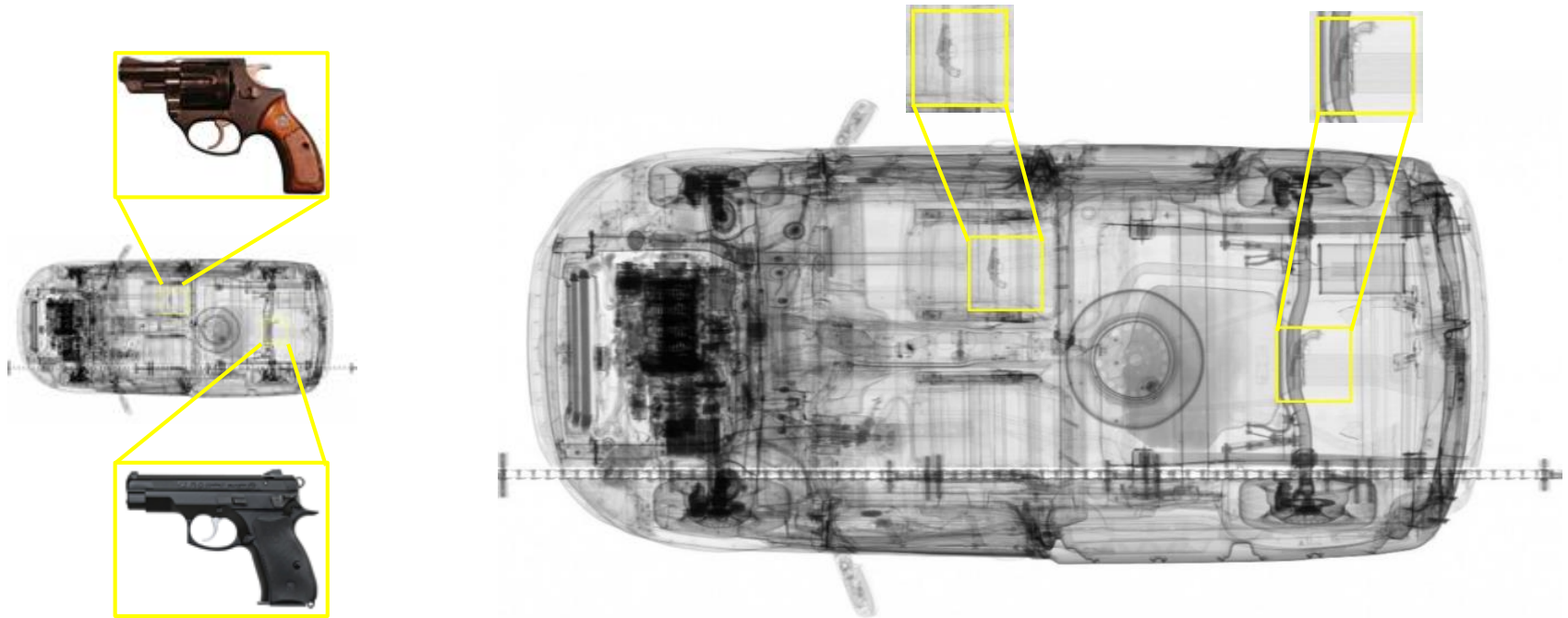
viZual 4c
function



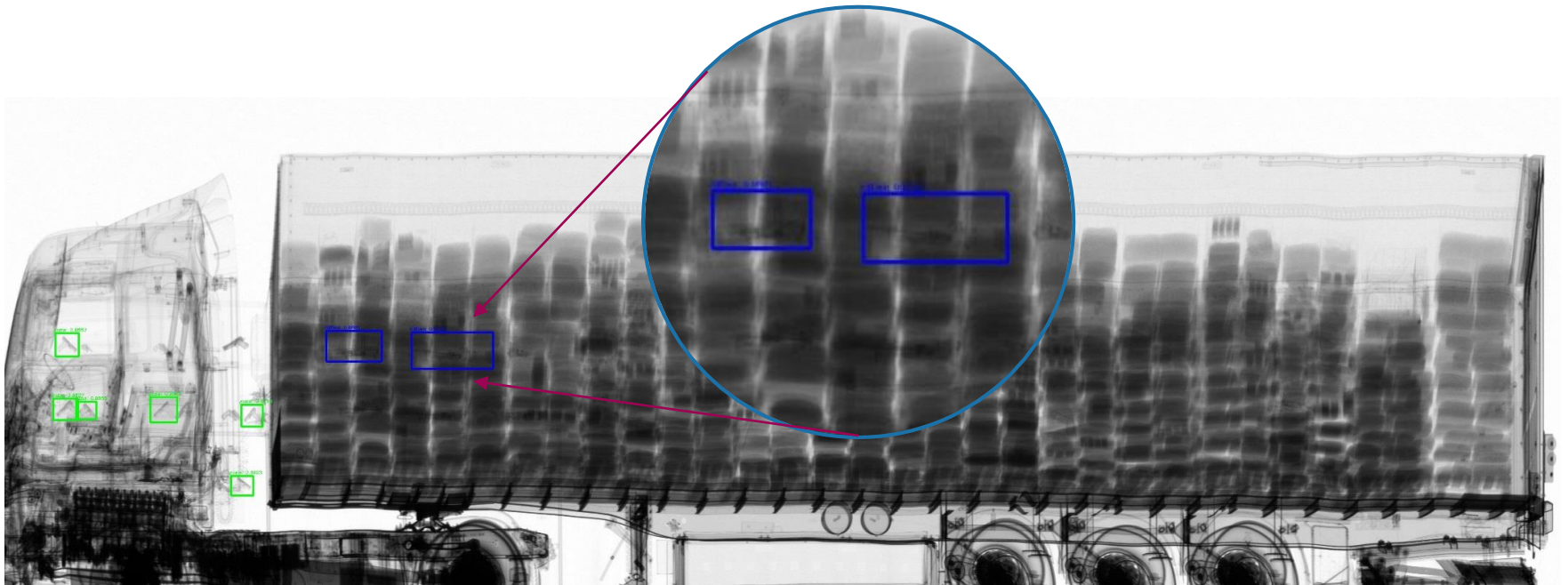
smiths detection

iCmore™ Weapons

Automatic detection of Weapons: guns or revolver



iCmore™ Weapons

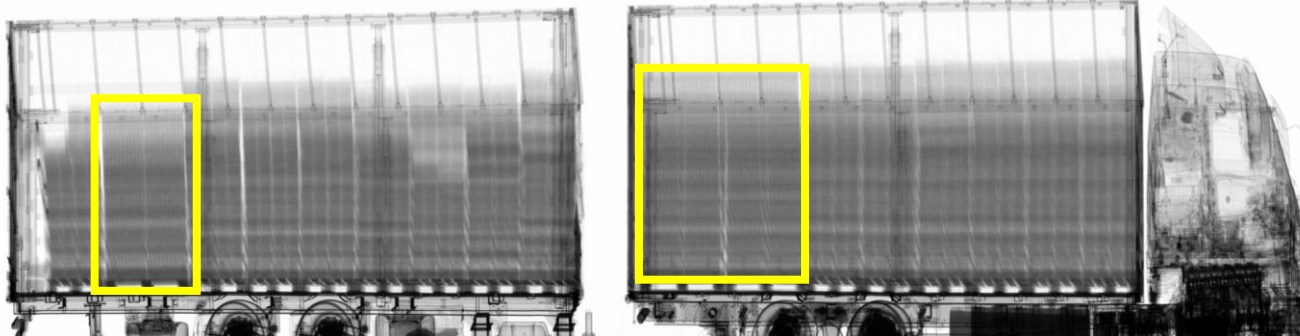


GUNS



RIFLES

iCmore™ Cigarette



16 tons - \$77M seizure



smiths detection

iCmore™ Cigarettes



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ACTUALITÉS SON & IMAGES DOSSIERS AGENDA PUBLICATIONS GOUVERNEMENT MINISTÈRES

Zoll vereitelt großen Zigarettenschmuggel - 12 Millionen Zigaretten beschlagnahmt

Communiqué – Publié le 06.06.2014 (14:14)

Customer case

L'essentiel Luxembourg 24h

Großherzog begutachtet LKW-Scanner

LUXEMBURG - Hightech für die Jagd auf Rauschgiftschmuggler: Die neueste Anschaffung des luxemburgischen Zolls wollte sich Großherzog Henri genauer anschauen.

Flugzeugabsturz in der Ukraine
... das Flugzeugabsturz am 17. April 2014 in der Ukraine, an dem 49 Menschen ums Leben kamen, ist ein Ereignis, das die Welt erschüttert. Die Ermittlungen sind noch im Gange, aber es ist bereits klar, dass es sich um ein tragisches Verbrechen handelt.

Ein Push aufs Handy und Sie sind informiert
Die Mobiltelefone von 11 Millionen Luxemburger sind nun mit einer App ausgestattet, die sie über die neuesten Nachrichten und Ereignisse informieren kann. Die App ist kostenlos heruntergeladen und kann über den QR-Code auf der Seite www.push.lu installiert werden.

Michael Schumacher kämpft um sein Leben
Nach seinem schweren Unfall im Januar 2013 kämpft der siebenfache Formel-1-Weltmeister Michael Schumacher um sein Leben. Die Ärzte hoffen auf eine Besserung, aber die Prognose ist weiterhin düster.

Luxemburger Wort

Deutsche Ausgabe | Edition Francophone | Contacto

LUXEMBOURG POLITICS INTERNATIONAL BUSINESS CULTURE SPORT LIFESTYLE

Weather 27° Traffic Weddings Births Obituaries Services Competitions

Aire de Berchem 14 tonnes of cigarettes seized

Pétrole-Prix.com | Audiotext | Kinoklin | Tageshoroskop

RTL 5 minutes RTL.lu Radio Télé 5minutes Editus

Actualité Météo Sport Auto / Traffic Service Photos

5minutes.lu Actualités Luxembourg

Coup de filet contre la contrebande de tabac: La douane saisit 12 millions de cigarettes

BTE - 06.06.2014, 13:56 | Dernière mise à jour: 06.06.2014, 14:02

Smiths' threat detection systems



- 100% Risk-based screening to uncover threats by capturing intelligence from a range of sources- including, but no limited to physical hardware
- Using tailored algorithms to analyze risk so that operators can make informed decisions about what to do next.
- Every decision is fed back, making the system smarter.
- This means that alongside an improvement in security – the Smiths threat detection systems helps to uncover trends, and intelligently allocate resources, making improvements to your operational efficiency.

Thank you

www.smithsdetection.com

Annexes

BAGGAGE & PEOPLE SCREENING

→ SCREENING SYSTEMS

MAIL & PARCELS CXS



HI-SCAN 5030si
HI-SCAN 6030di

PARCELS & BAGGAGE CXS



HI-SCAN 6040aX
HI-SCAN 6040C
HI-SCAN 6040i
HI-SCAN 6040-2is SR

HI-SCAN 6046si
HI-SCAN 7555aX
HI-SCAN 7555i
HI-SCAN 7555si

BAGGAGE & FREIGHT CXS



HI-SCAN 9075
HI-SCAN 100100T
HI-SCAN 100100T-2is

HI-SCAN 100100V
HI-SCAN 100100V-2is
HI-SCAN 130130T-2is

FREIGHT & CARGO CXS



HI-SCAN 145180
HI-SCAN 145180-2is

HI-SCAN 145180
HI-SCAN 145180-2is

EDS CB UPGRADE PACKAGES



For HI-SCAN 6040-2is HR,
HI-SCAN 6040aTiX and
HI-SCAN 7555aTiX

CHECKPOINT EDS



HI-SCAN 6040-2is HR
HI-SCAN 6040aTiX
HI-SCAN 7555aTiX
HI-SCAN 6040 CTiX



→ PEOPLE SCREENING

HOLD BAGGAGE EDS



Automatic high speed non-intrusive
inspection of baggage and goods
HI-SCAN 10080 XCT
HI-SCAN 10080 EDX -2is
HI-SCAN 10080 EDiS

HOLD BAGGAGE EDS



CTX 5800 - Advanced high definition
3D imaging (HD3D) baggage
screening with a compact footprint.

HOLD BAGGAGE EDS



CTX 9800 DSi - Advanced high definition
3D imaging (HD3D) baggage screening
with different throughput options
available: 0.2 m/s - 0.3 m/s - 0.5 m/s

eqo



People screening system using
millimetre-wave technology to detect concealed
objects on the body.

B-SCAN



Transmission X-ray people screening

VEHICLE SCANNERS (LIGHT & HEAVY)

→ VEHICLE AND CARGO SCREENING SYSTEMS (CIS)

HCVM T



(International version) Mobile cargo inspection system (trailer unit).

HCVT



Train Inspection system for rail cargo

HCVM e NA



(N. American version) Mobile cargo inspection system.

HCVM



(U.S. version) Mobile cargo inspection system.

HCVG



Gantry - Flexible modular concept for X-ray container scanning system.

HCVM e



(International version) Compact mobile cargo inspection system.

HCPV



Portal Cargo inspection system - high throughput and compact design.

HCPVe



Compact Pass through inspection system.

HCVS



Stationary Fixed cargo inspection system.

→ LIGHT VEHICLE

HCVL



High throughput light vehicle scanning system.

CIP300



Car Inspection Portal using conventional 300 kV X-ray source for unmanned inspection of vehicles or compact for drive through application.

EXPLOSIVE, CHEMICAL AND RADIATION DETECTION

→ TRACE DETECTION

IONSCAN 600



Portable non-radioactive desktop system for simultaneous detection of explosives and narcotics

IONSCAN 500DT



System for workflow control, image distribution, management data and airport information.

SABRE 5000



Hand-held detector and identifier of explosives, narcotics & CWAs/TICs, either vapour or trace particles.

TRACE-PRO



Hand-held, non-radioactive explosives trace detector.

RadSeeker CS/CL



Hand-held radiation detector and identifier for challenging isotopes.

→ CHEMICAL IDENTIFICATION

ACE-ID



Hand-held non-contact Raman identifier for solid and liquid explosives and precursors.

GID-3



Continuous operation CW detector to indicate the presence of nerve and blister chemical agents and the level of danger.

LCD3.3



Provides personal and vehicle protection against a wide range of CWAs and TICs.

HazMatID Elite



Next-generation hand-held FTIR for identification of solids and liquids.

Target-ID



FTIR spectroscopy system to identify illicit drugs and controlled substances.

GasID



Rapid identification of over 5,500 potentially hazardous gases and vapours.

DIGITAL PLATFORMS & APPLICATIONS

DIGITAL APPLICATIONS (SCREENING)

FirstView-LINX



Integrated system for archiving and reporting of screened baggage & cargo.

MatriX Server



System for workflow control, image distribution, management data and airport information.

Checkpoint.Evo ^{Plus}



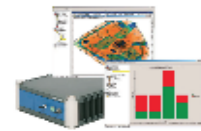
Intelligent software and hardware solution for remote image evaluation.

CORAL



Predictive diagnostics for EDS systems.

CXS



Centrally manage an X-ray network from remote console. Supports HiTraX, CXS, EDS, IONSCAN 500DT and IONSCAN 600.

Incent.control



App based software for real time system information in networked CXS, EDS, checkpoint or trace systems.

Incent.view



Workstation for x-ray image evaluation. Available as Analyst and Recheck and for 2D and 3D CT images

DIGITAL APPLICATIONS (CIS)

iCMORE

Automatic threat & target identification software for improved cargo inspection.

Dataset Management Systems (DMS)

HCV DMS

Software platform to integrate files from several HCV inspection systems.

DaiSy



HCV software platform displays X-ray images for detailed interpretation.

ViZual



Used by HCV systems to speed image analysis time through material discrimination.

CORSYS



Single-window, smart security operations platform.

DIGITAL PLATFORM