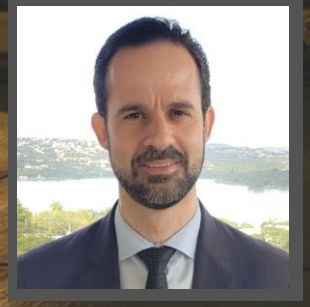


JONATAS LEITE

CCO

VMI SECURITY

World Customs Organization
Organisation mondiale des douanes

VMI SECURITY

Challenges

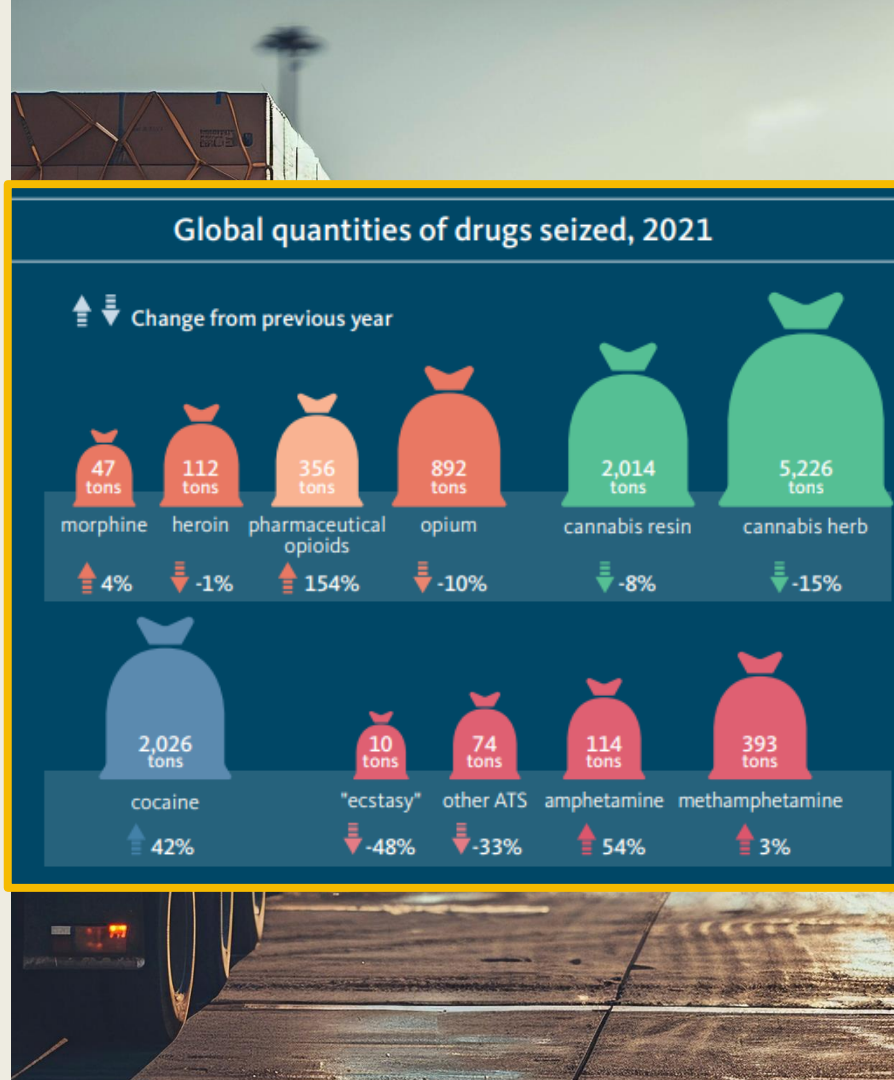
Growth of global trade and **e-commerce.**

Transportation is getting **bigger and faster.**

Terminals with **limited size or technology.**

More **rigorous controls.**

Increasing rates in **international drug trafficking.**

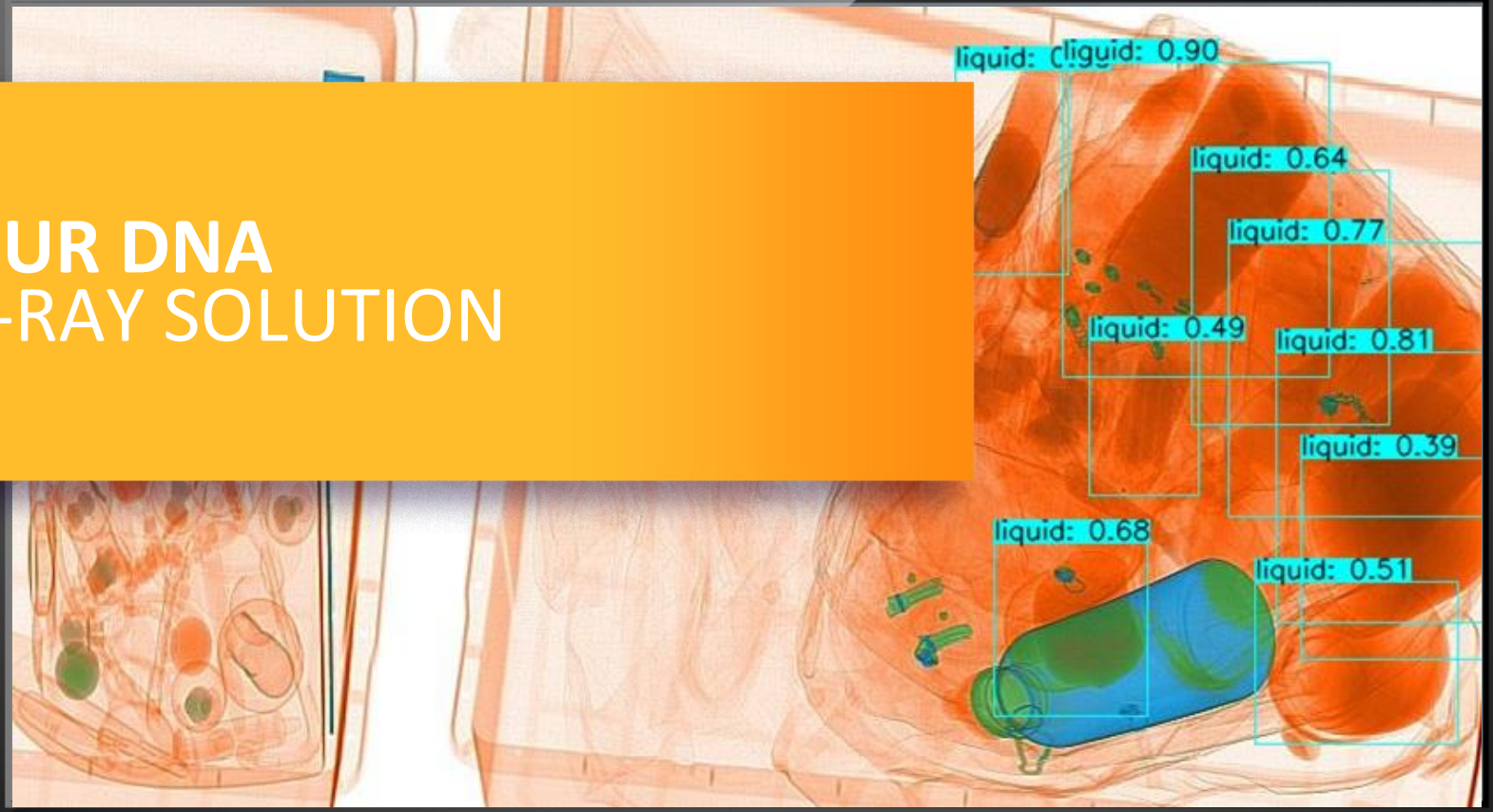


AIR CARGO
CHALLENGES
Logistics vs. Security
1 Operational Efficiency
2 Smart Tax control
3 Security Efficacy

X-ray technology offers
Efficiency and Security
in the air cargo processing.

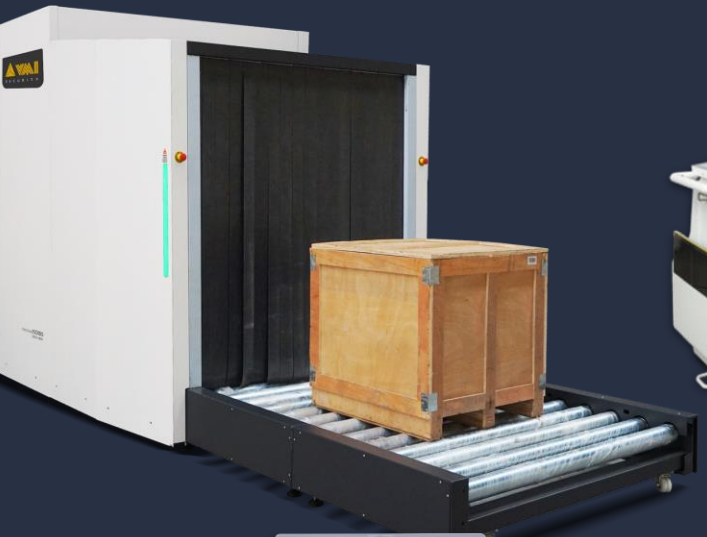
VMI
SECURITY

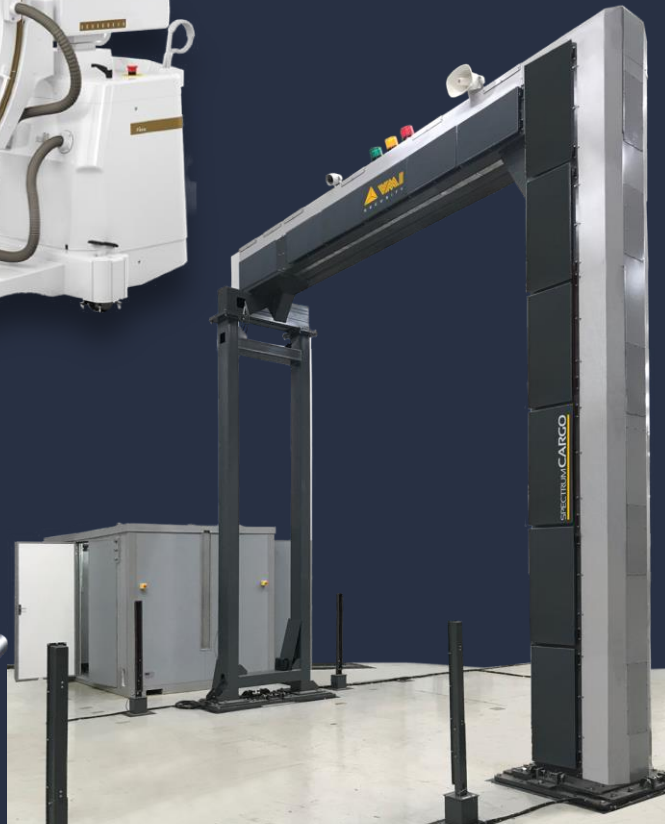
OUR DNA
X-RAY SOLUTION



Biggest X-ray

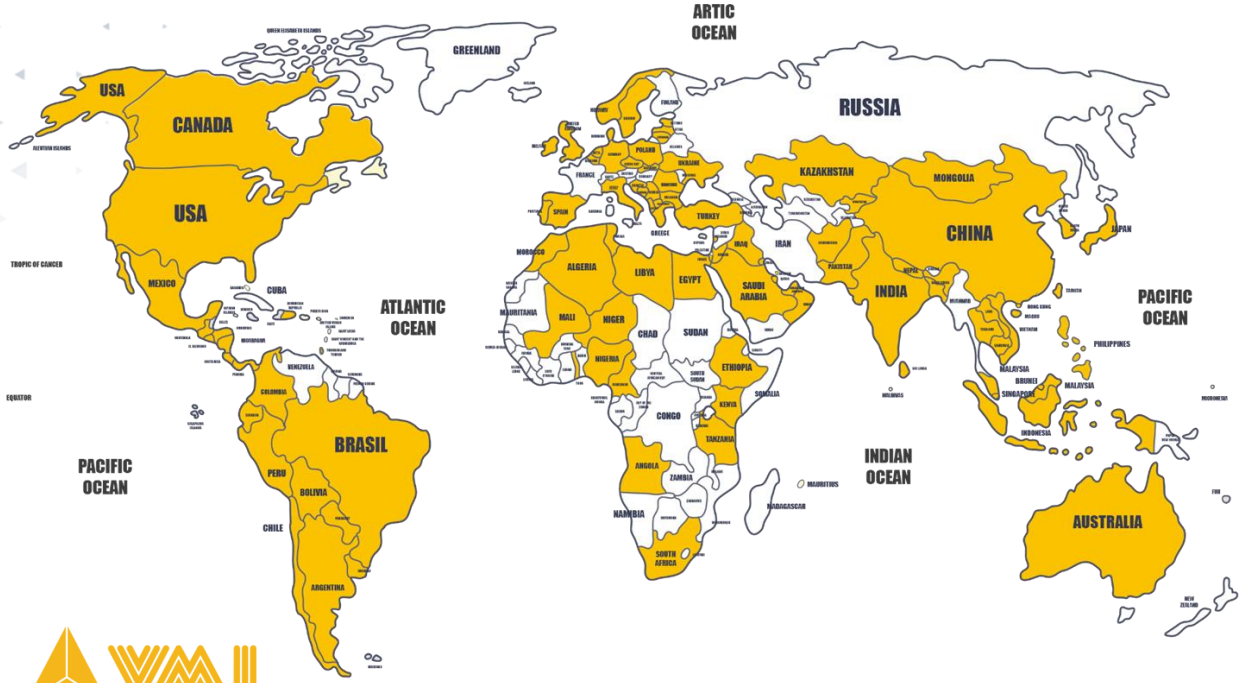
Portfolio





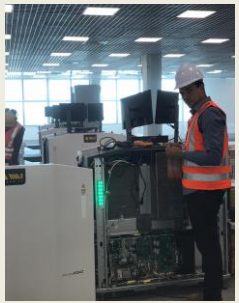
GLOBAL PRESENCE

+100
Countries



TSA
QUALIFIED

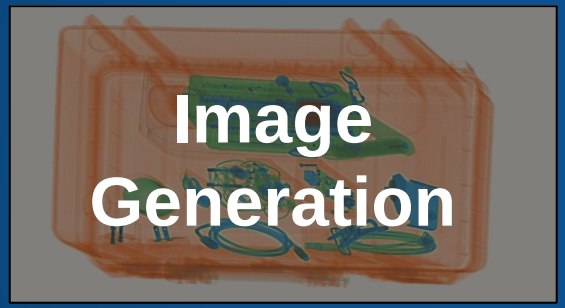
VMI
SECURITY

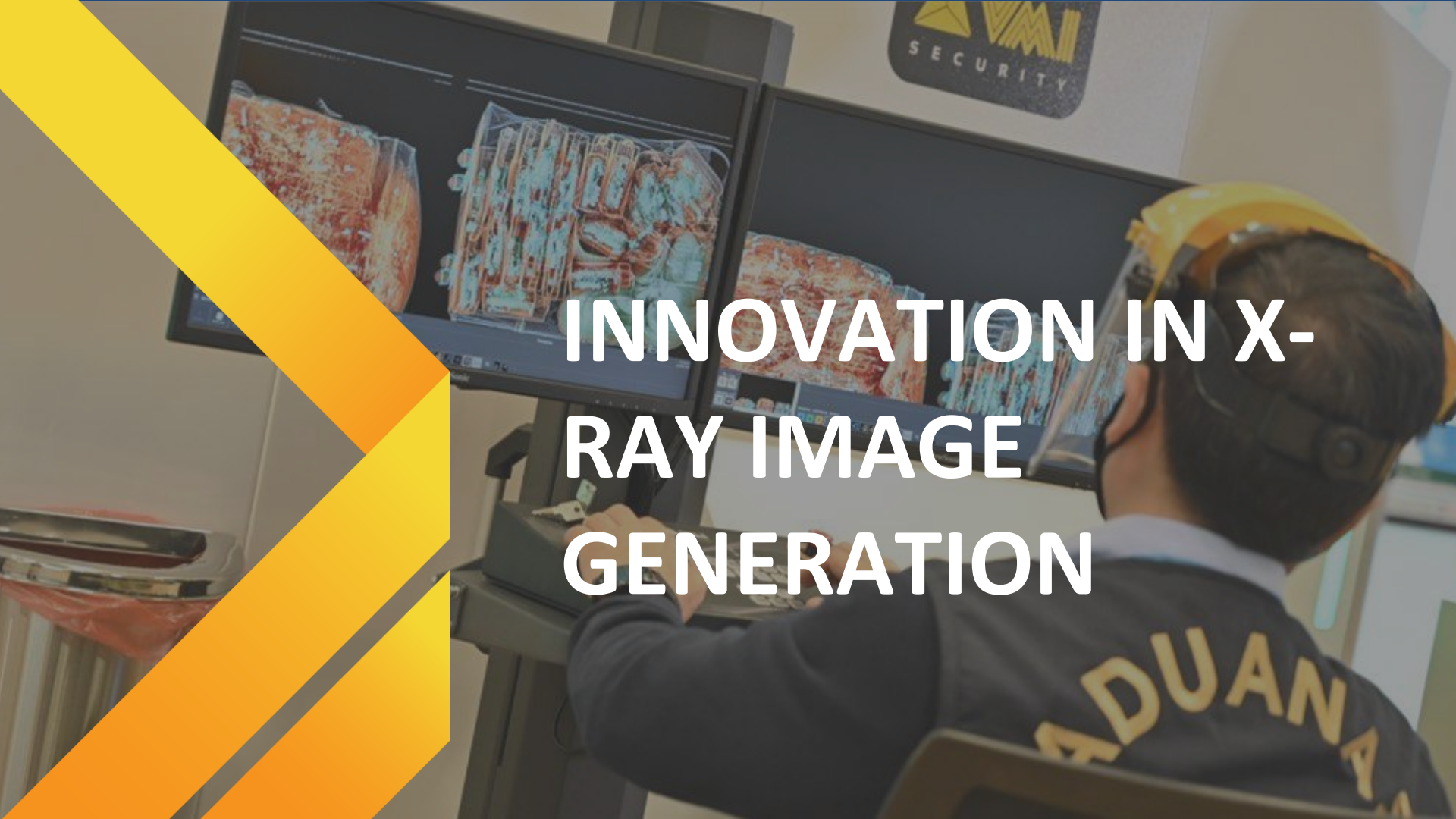


RESEARCH & DEVELOPMENT

VMI SECURITY

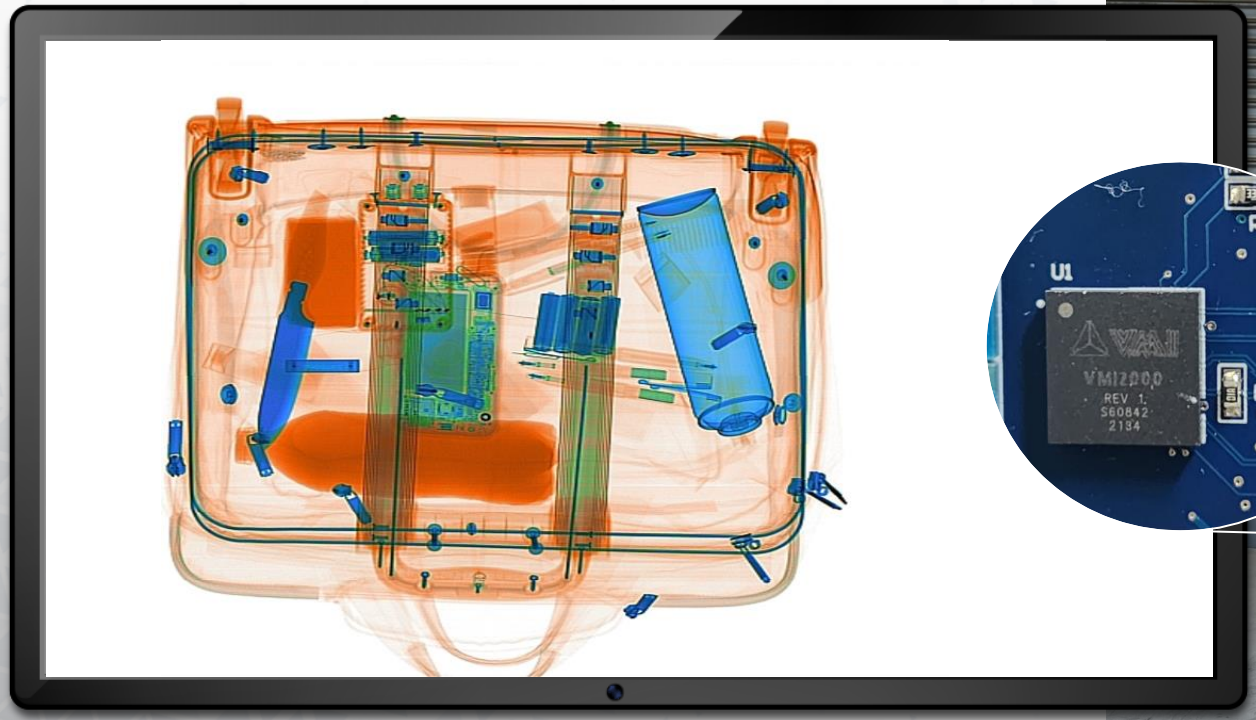
WHAT WE HAVE
DEVELOPED FOR THE SECTOR



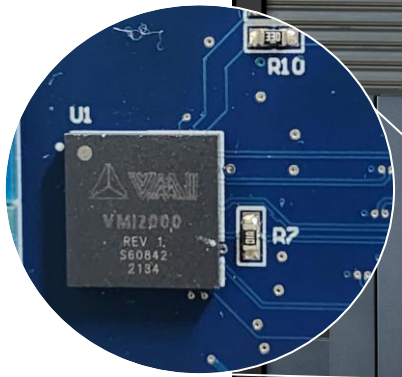


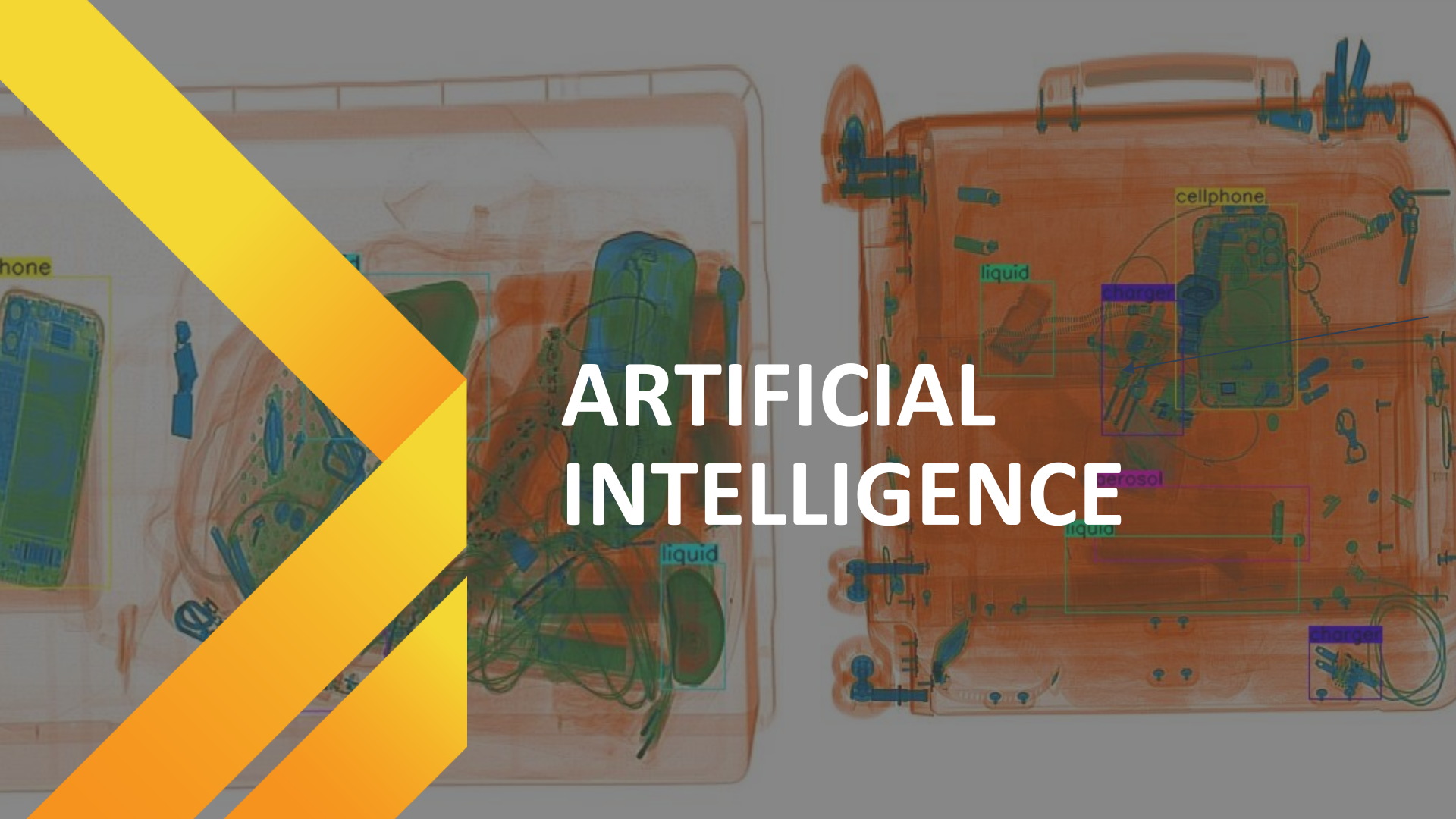
INNOVATION IN X-RAY IMAGE GENERATION

A NEW ERA OF GENERATORS AND DETECTORS



12
COLORS



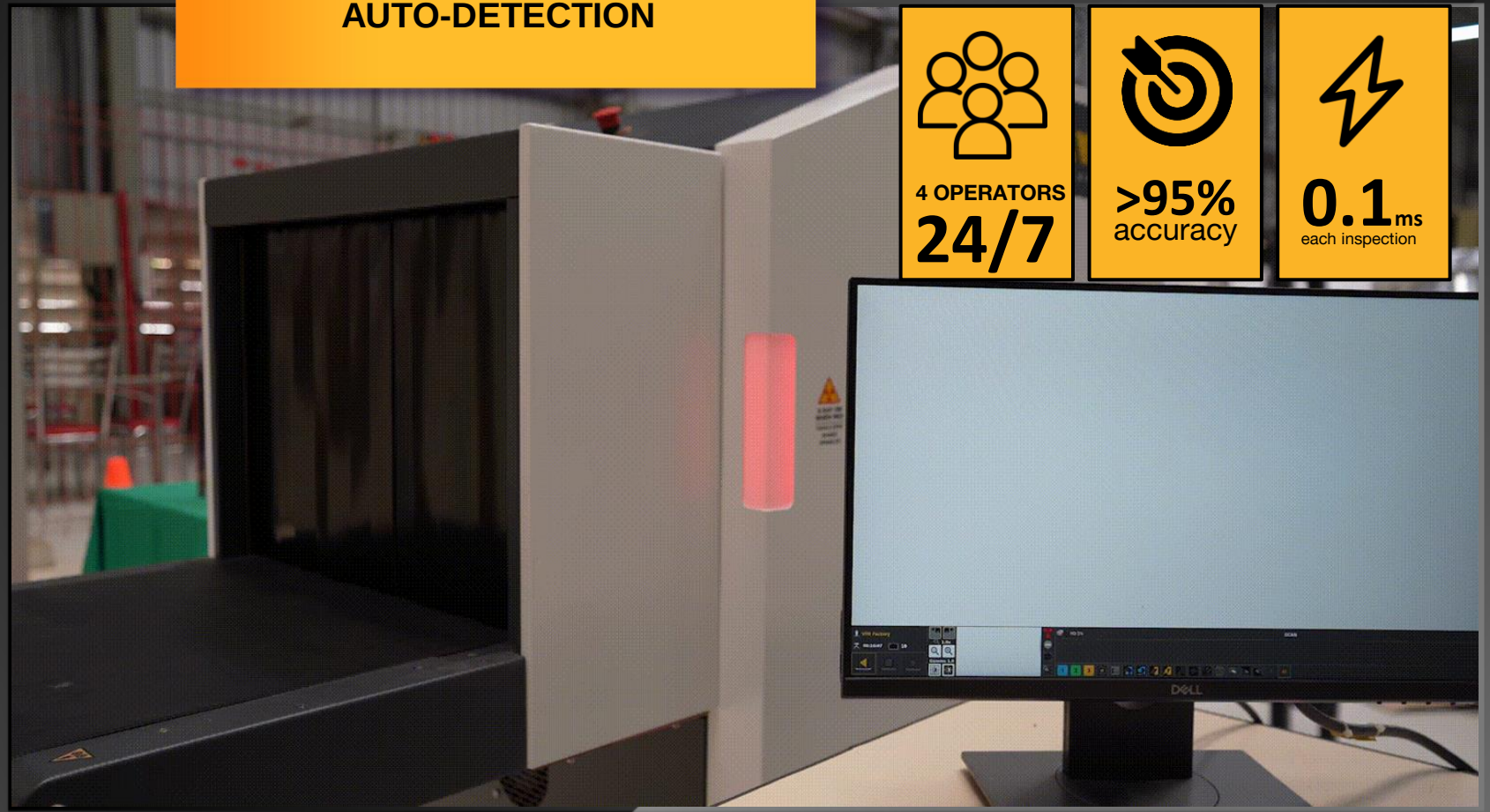


ARTIFICIAL INTELLIGENCE

ARTIFICIAL
INTELLIGENCE

Operacional efficiency

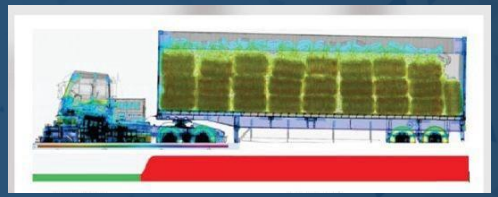
AUTO-DETECTION



ARTIFICIAL
INTELLIGENCE

Smart
Tax control

Artificial intelligence helping to identify tax evasion



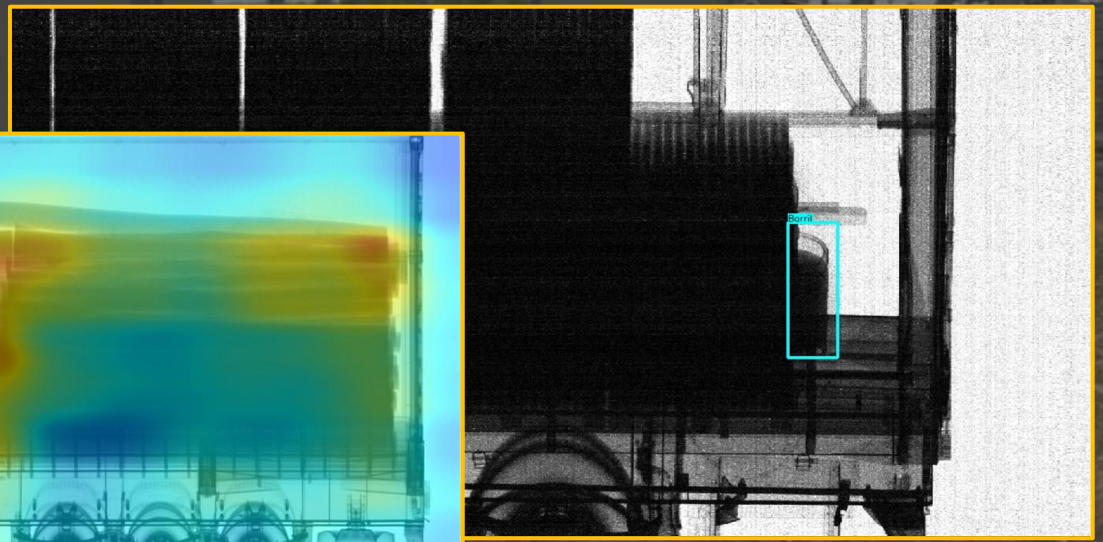
AI uses invoice data to analyze images

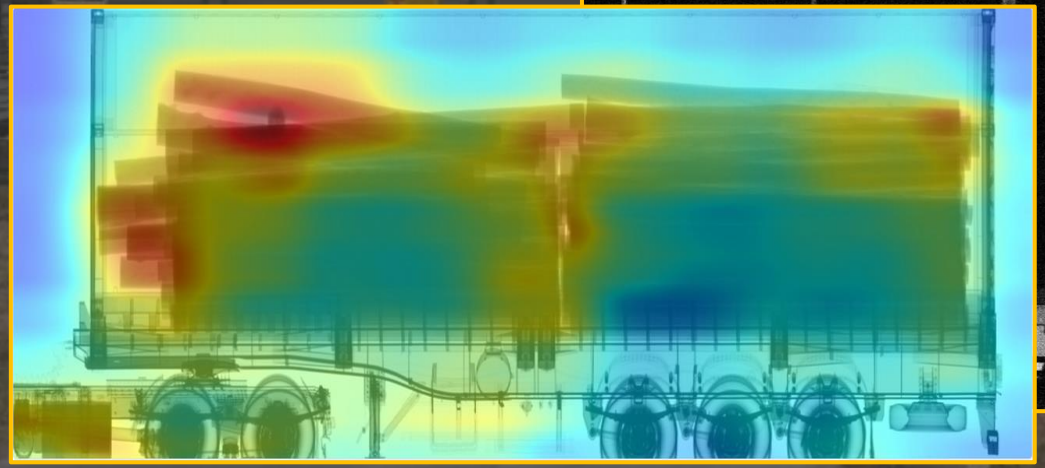
DECISION SUPPORT:
suspicious cargo detected on operator's screen

Estimated detection of potential tax evasion cases

VMI SECURITY

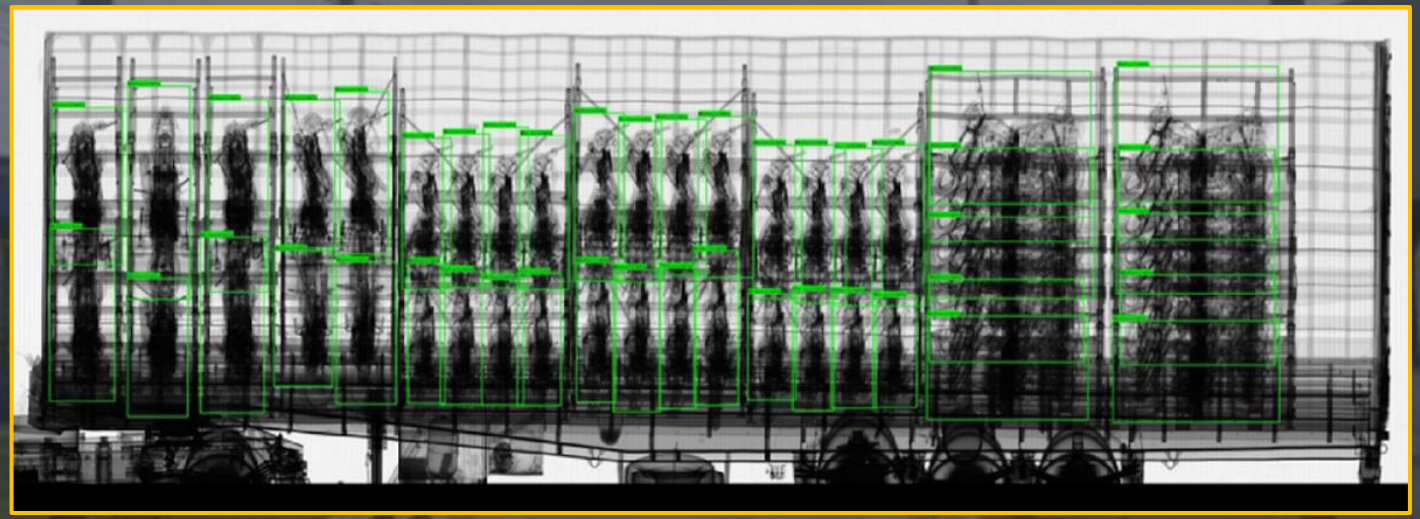
Detection of anomalies





Suggestion of images by similarity

Estimated count of objects and weight

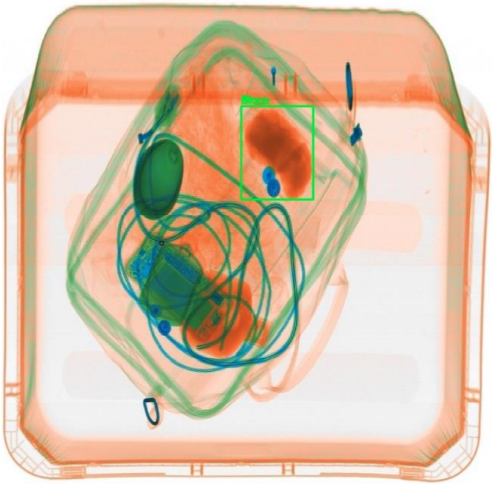


Empty container detection

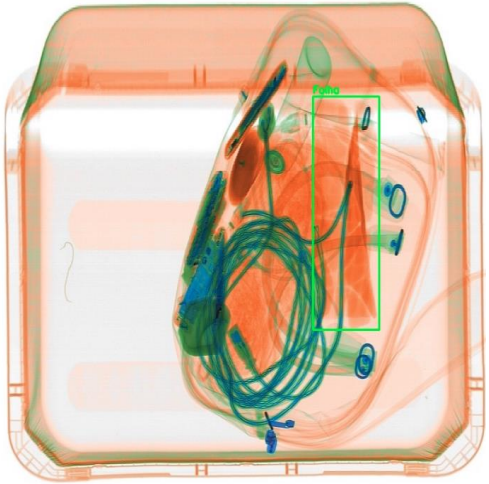
ARTIFICIAL
INTELLIGENCE

Security
Efficiency

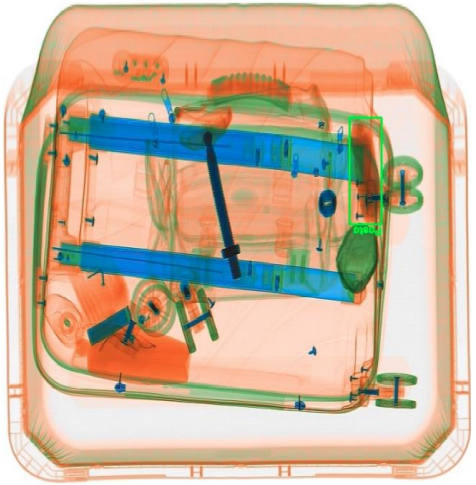
EXPLOSIVES



Block-shaped explosive test piece.

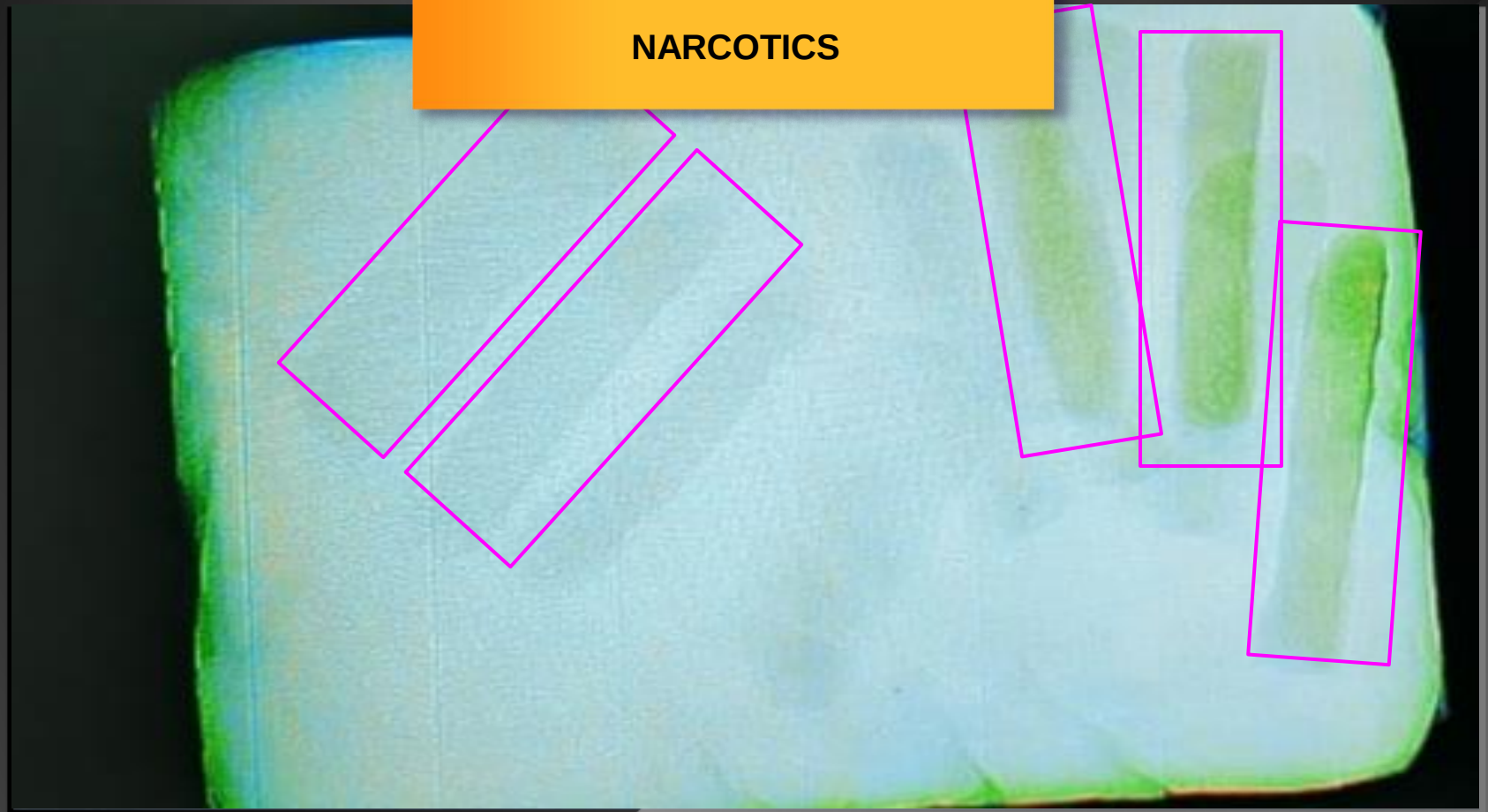


Sheet-shaped explosive test piece.

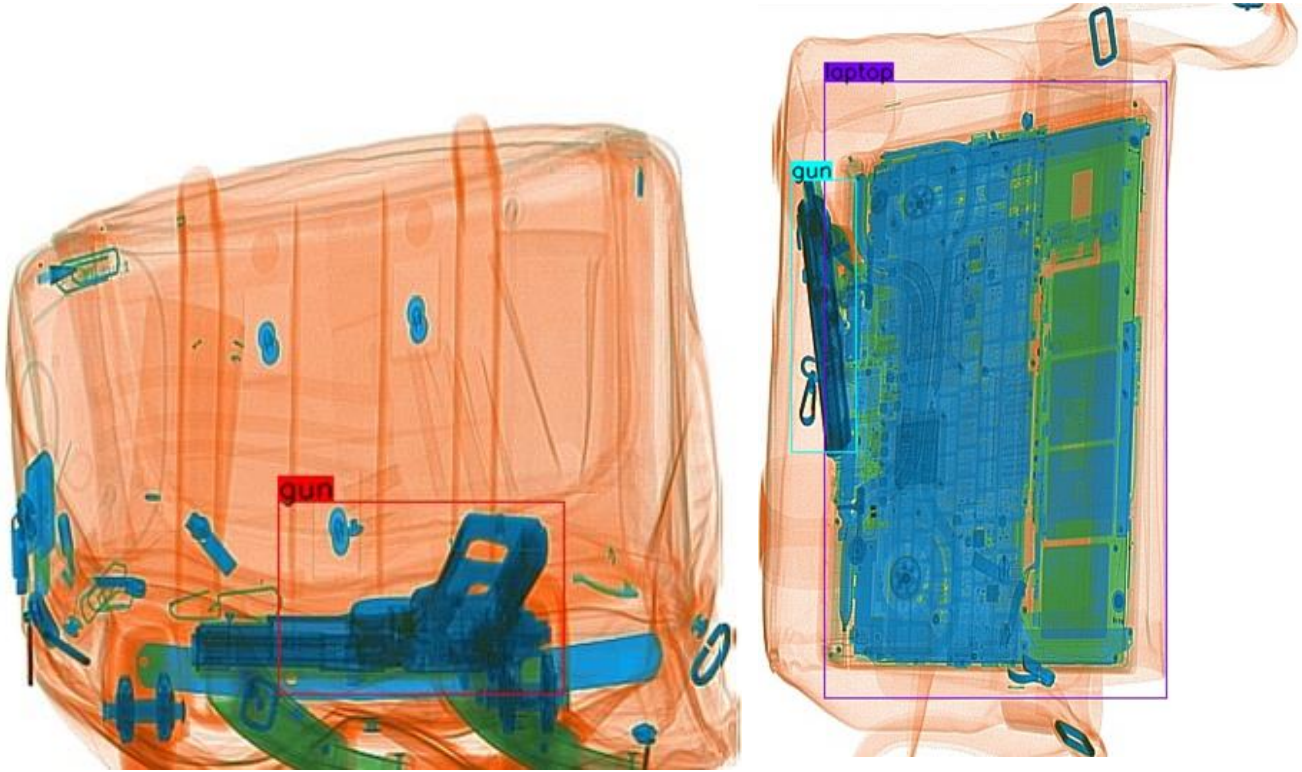


Explosive test piece in paste form.

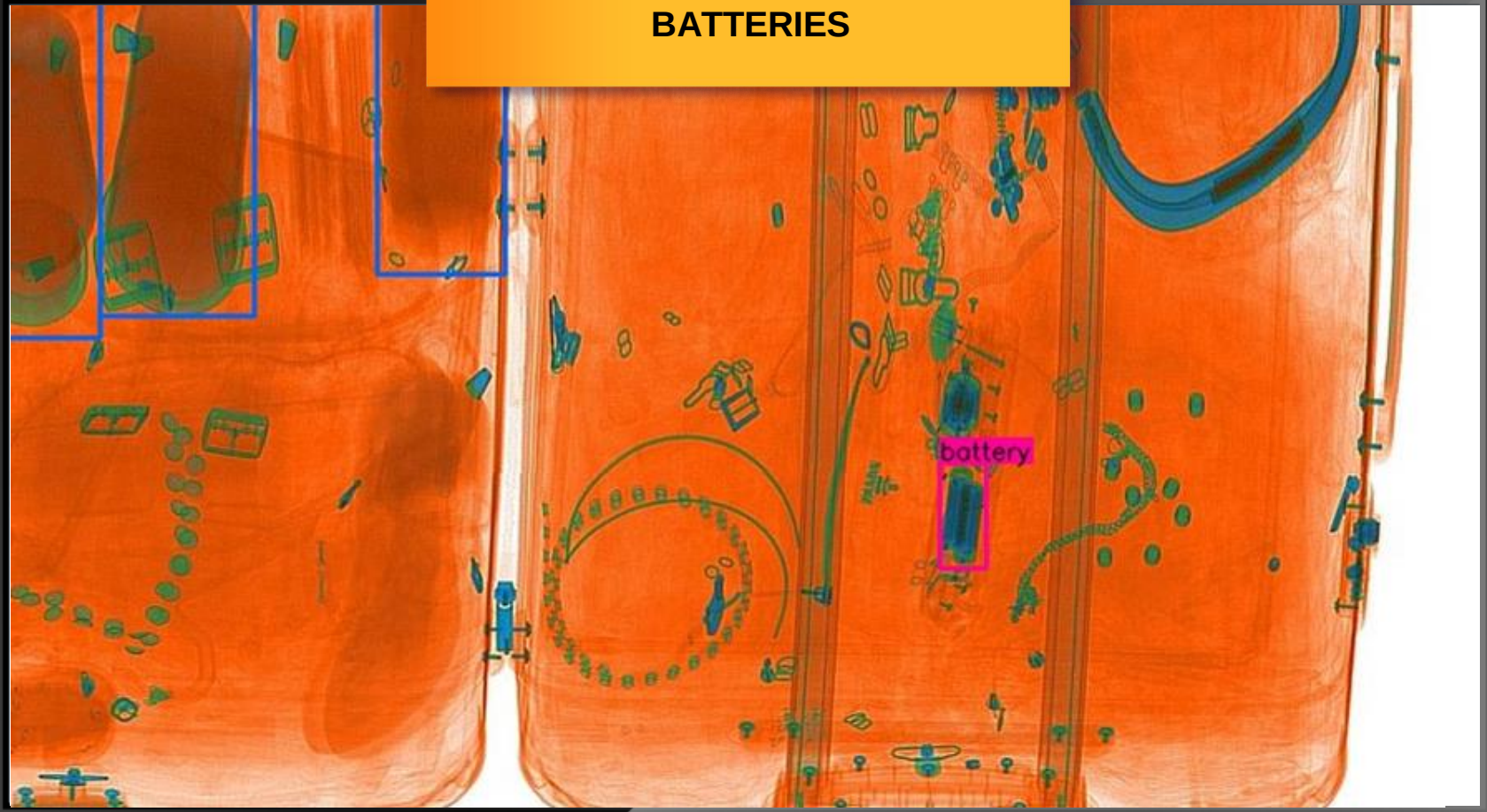
NARCOTICS



FIRE GUNS



BATTERIES



VMII
SECURITY
DATA INTEGRATION

BIG DATA

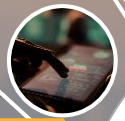
CONNECTED FUTURE

AIRPORTS

VSS/STVV

CARGO REGISTER

API / BI / APPS



X-RAY SCANNERS & WTMD

CT

INTEGRATED IMAGE CENTRE

QR CODE BOARDING GATES

CUSTOMS AUTHORITIES AND LAW ENFORCEMENT

PORTS

X-RAY SCANNERS

OCR SYSTEM

RFID SEAL/TAG

ELECTRONIC SEAL

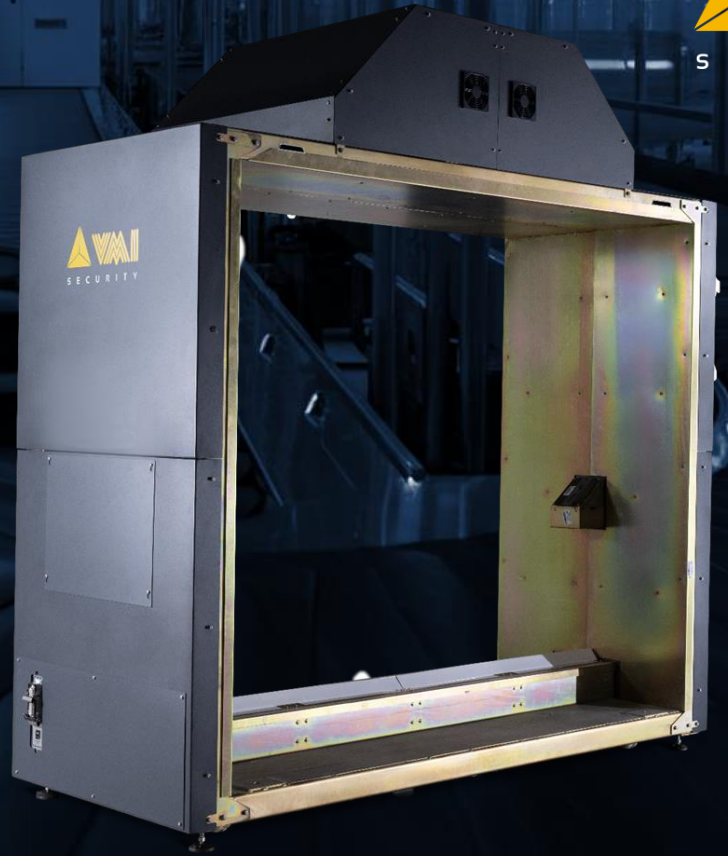
SCALE

FLOOR CAMERA

CUSTOMIZATION

SCANNER FOR CONVEYOR BELTS

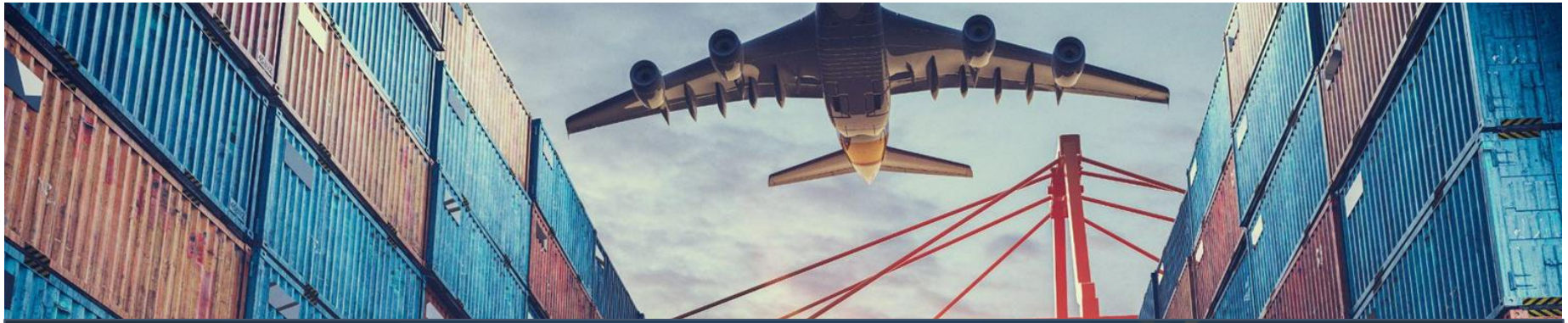
2 m/s



SECURITY

THE SOLUTIONS YOU ARE
LOOKING FOR CAN BE FOUND
IN X-RAY TECHNOLOGY

JOINING
FORCES
THANKS



VMI

SECURITY

www.vmisecurity.com