



SMART Borders Driven by Smart Technologies

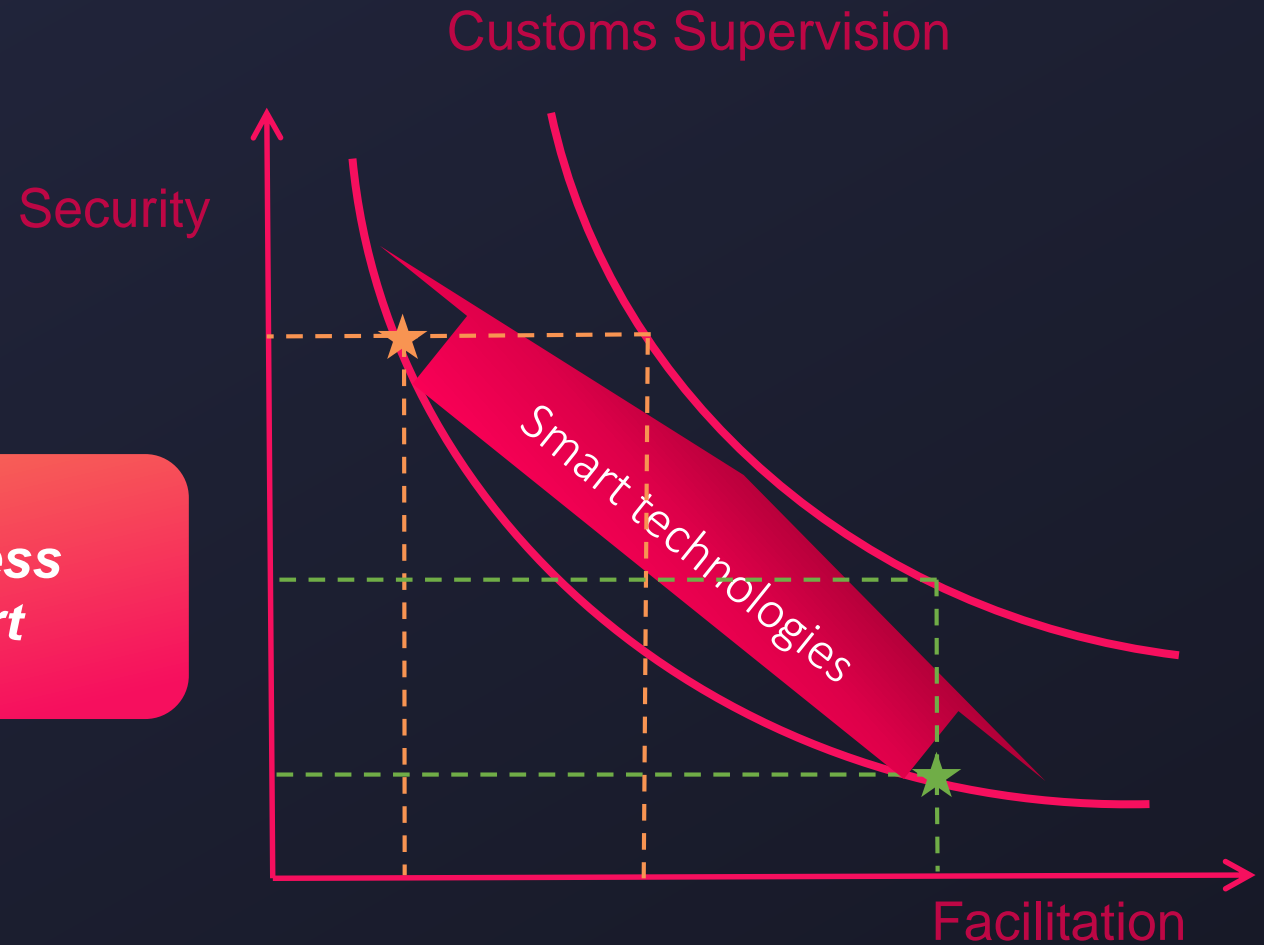
Sun Shangmin

SMART Borders

Driven by
Smart Technologies



*SMART borders for seamless
Trade, Travel and Transport*



SMART Borders Driven by Smart Technologies



Security



More Advanced Technologies

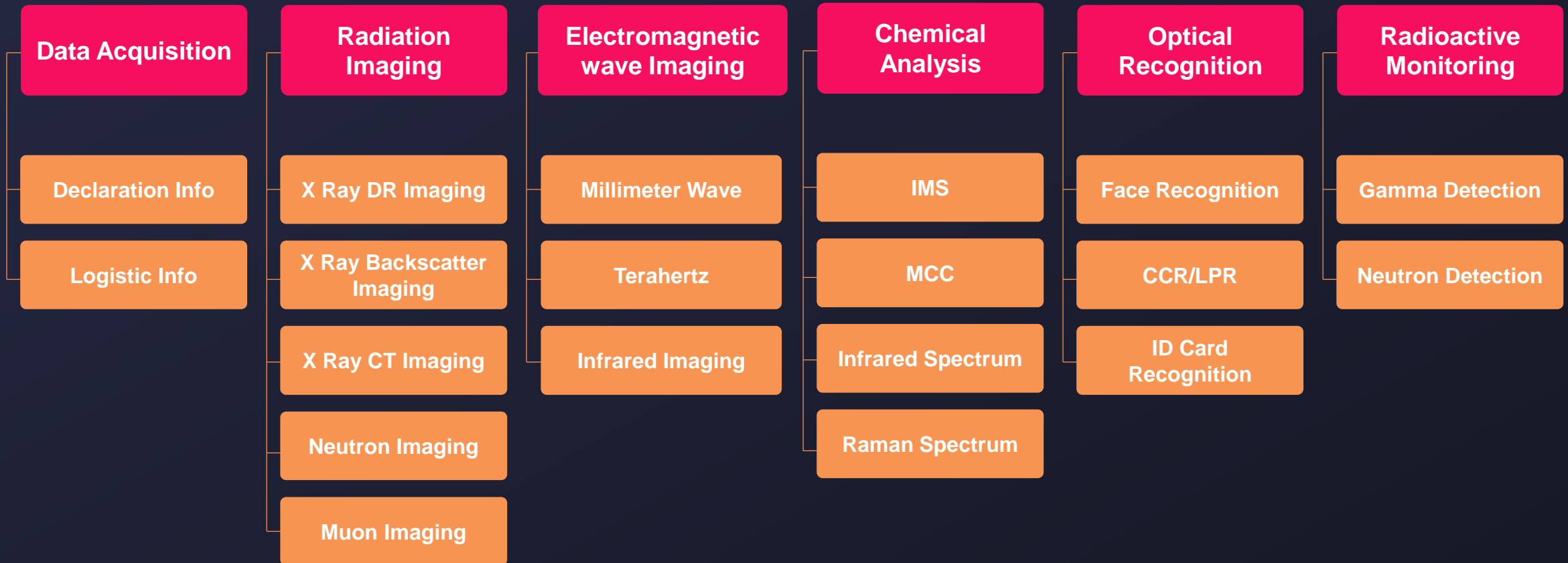
Facilitation



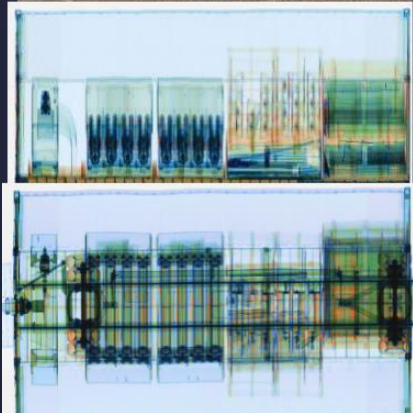
More Seamless Integration

More Advanced Technologies

Technical Methods



More Advanced Technologies



Dual View Fast-Scan System

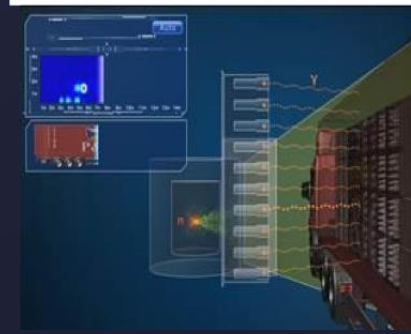
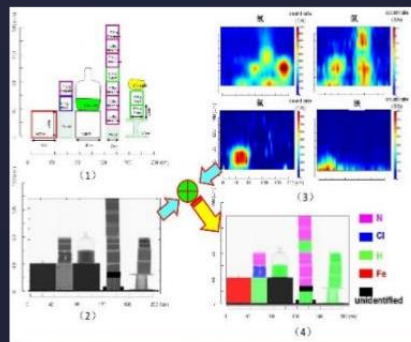
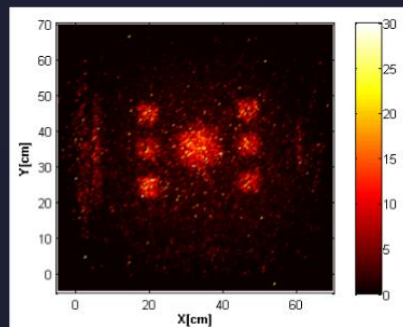
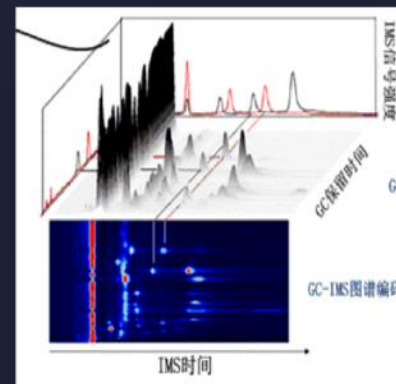


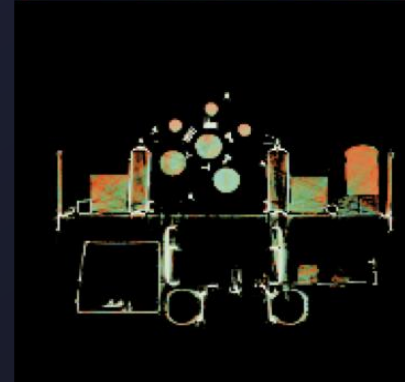
Photo-neutron Inspection



Muon Inspection



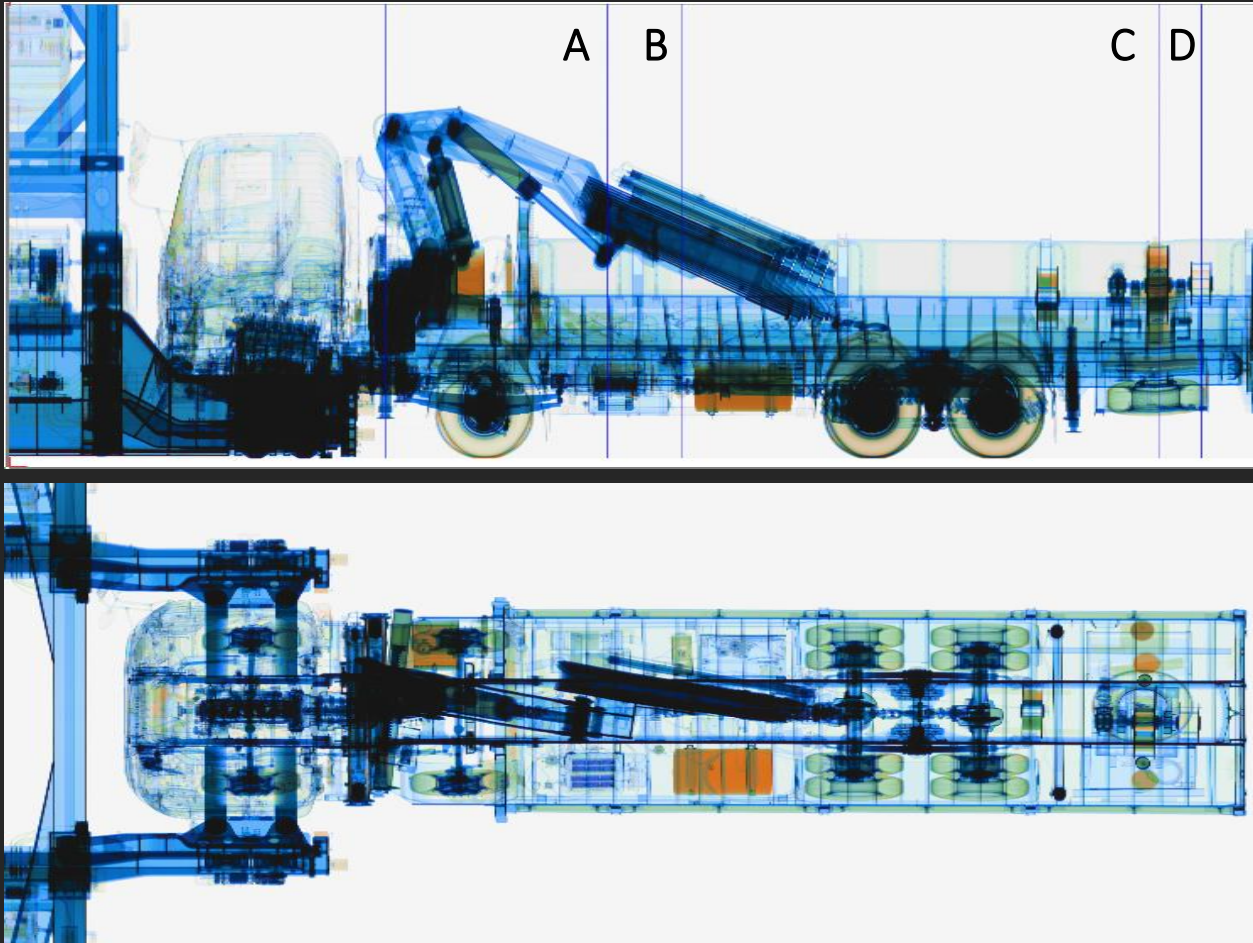
MCC-IMS in Container Inspection



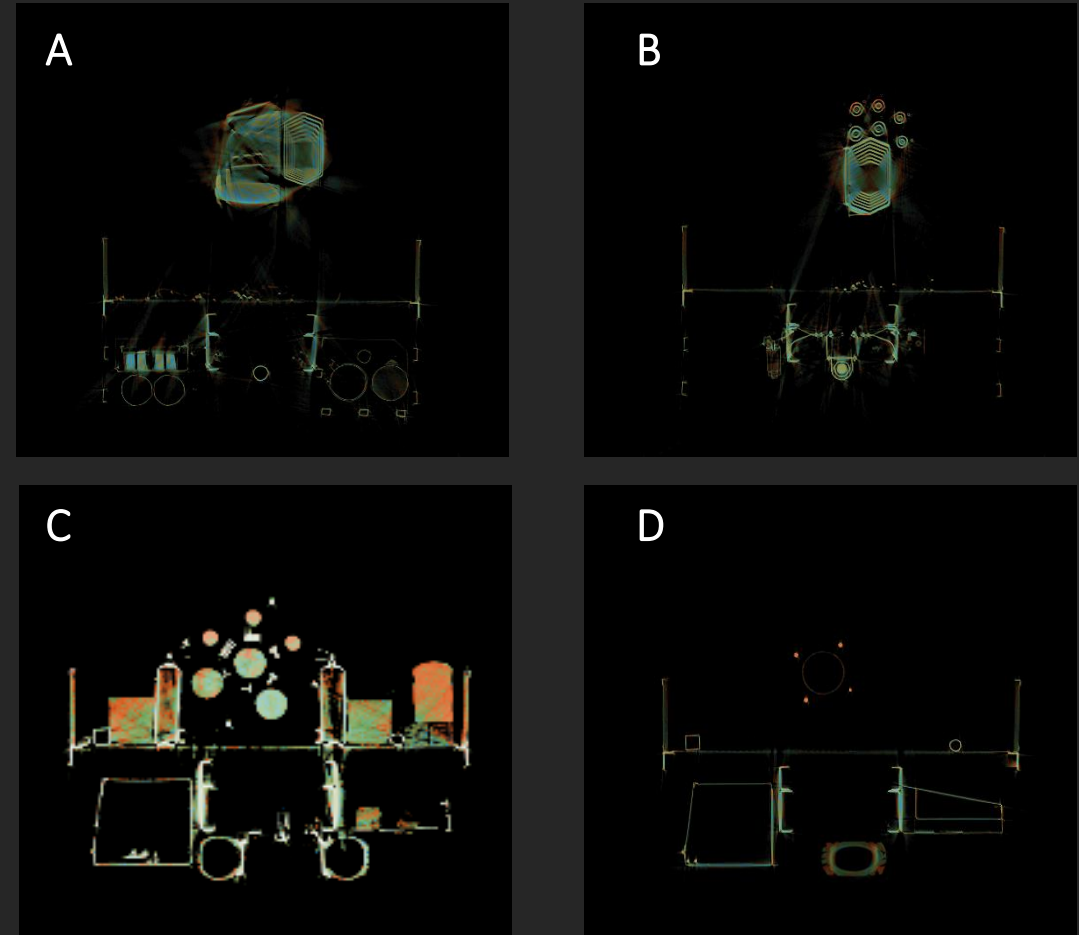
Cargo/Vehicle CT Inspection System

More Advanced Technologies

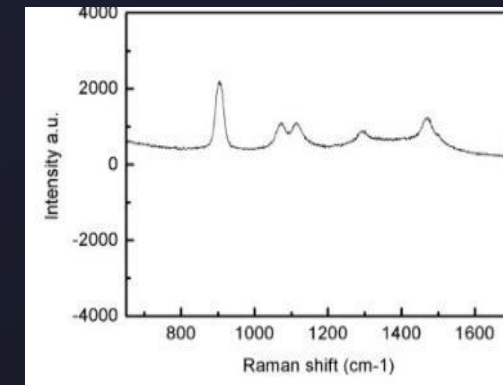
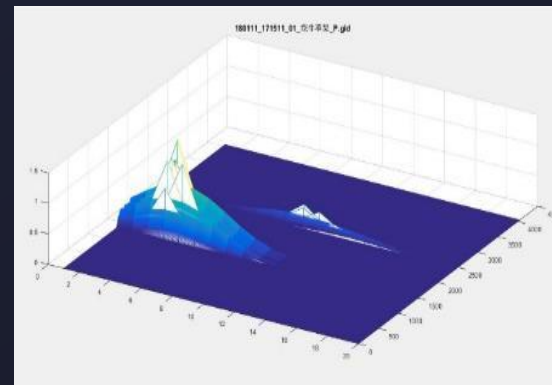
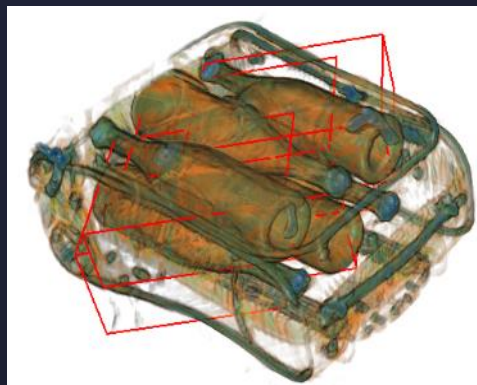
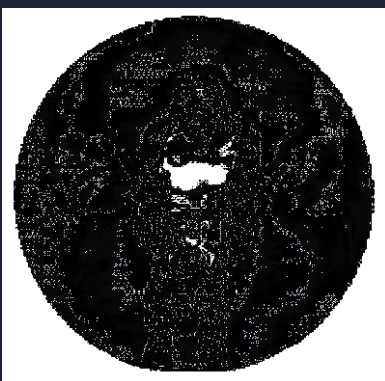
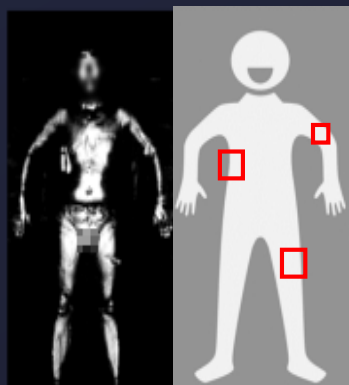
DR scanning image



CT scanning image



More Advanced Technologies



Millimeter Wave

Terahertz

CT

Robot Inspection Dog

Raman Spectrometer

SMART Borders Driven by Smart Technologies



Security



More Advanced Technologies

Facilitation



More Seamless Integration

More Seamless Integration

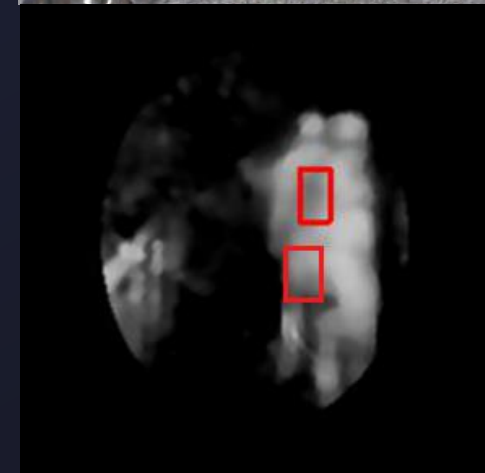
People



Guangzhou Railway port, China



Hongkong-Zhuhai-Macao bridge port, China



Carry an excessive amount of cash

More Seamless Integration

Baggage
and
Parcel



Post office ,Japan



Post Office in Shenzhen, China



Samoa Airport



Chengdu Airport, China

More Seamless Integration

Cargo and Vehicle

Port



China

Land border



Brunei

Airport



Hong Kong

Railway port



Kazakhstan



UAE

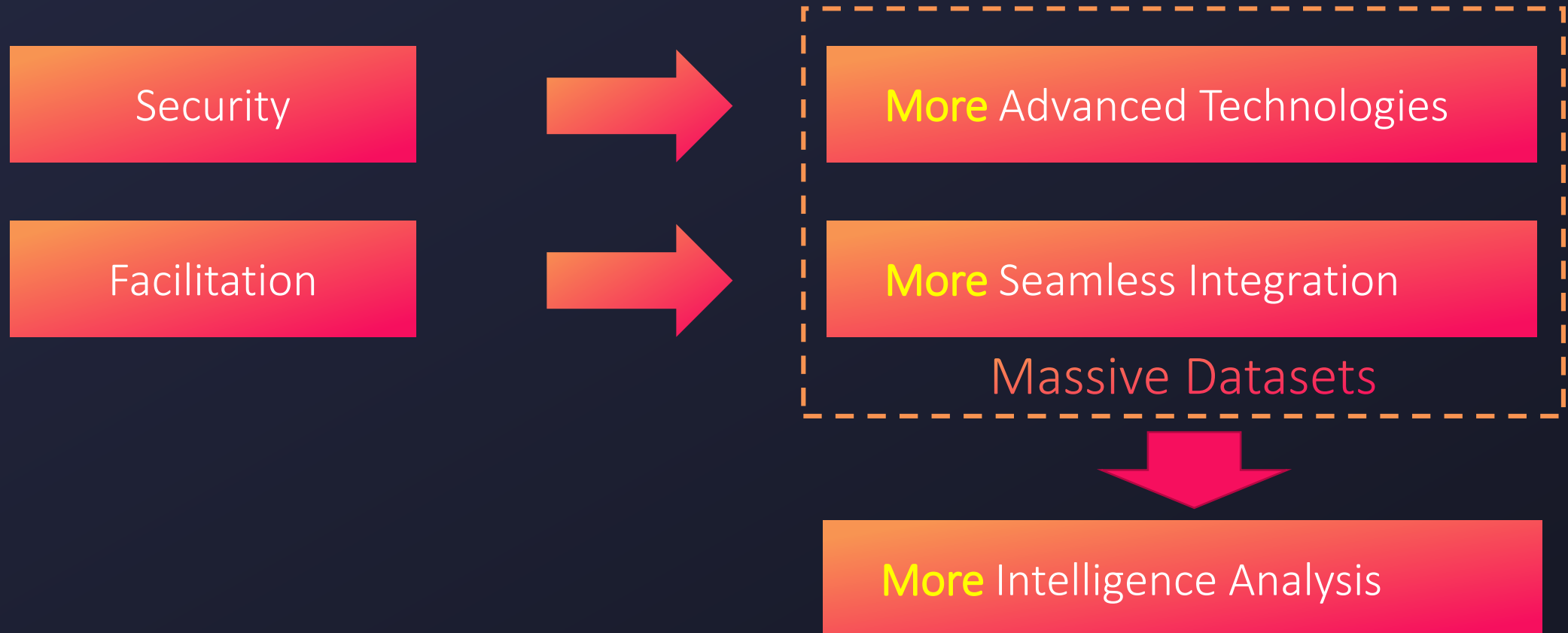


Singapore



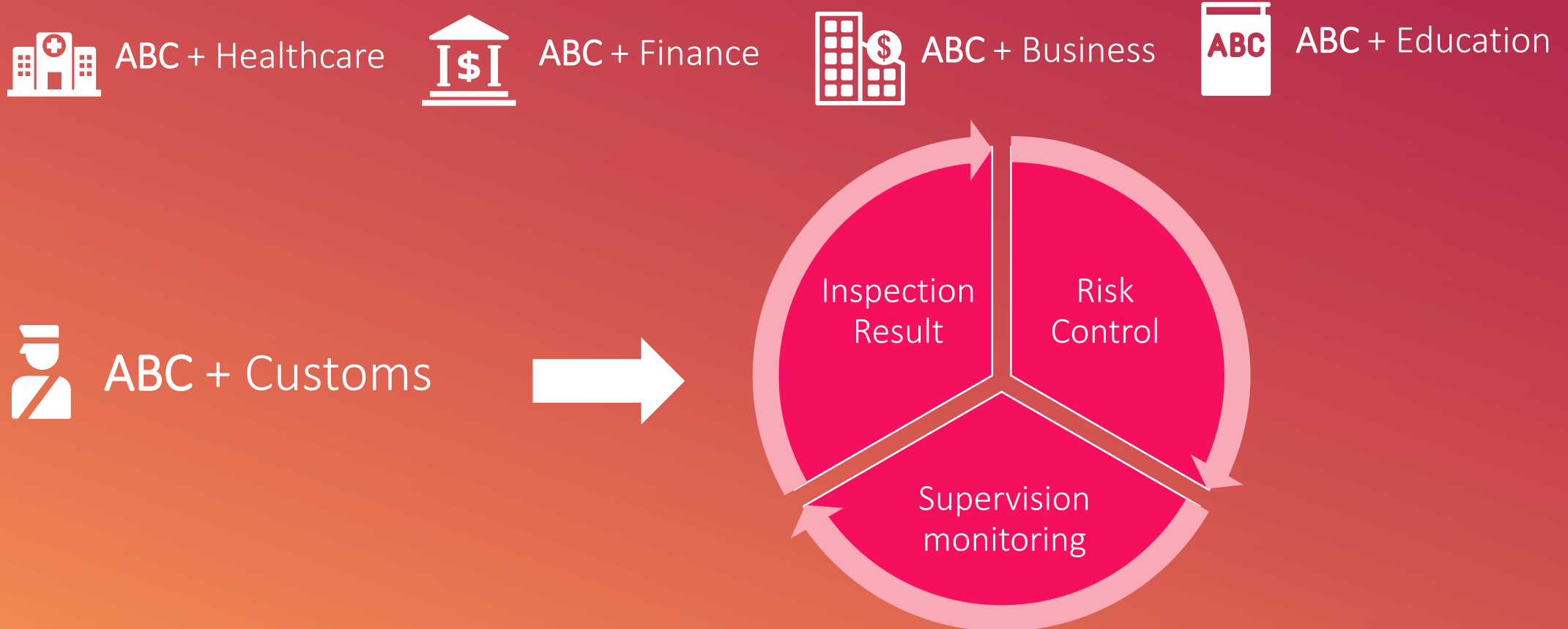
Poland

SMART Borders Driven by Smart Technologies



More Intelligence Analysis

Artificial Intelligence, Big Data and Cloud Computing(ABC) are the key driver of the new smart borders.





NUCLOUD Benefits Data Exchange and Share



Trustworthy

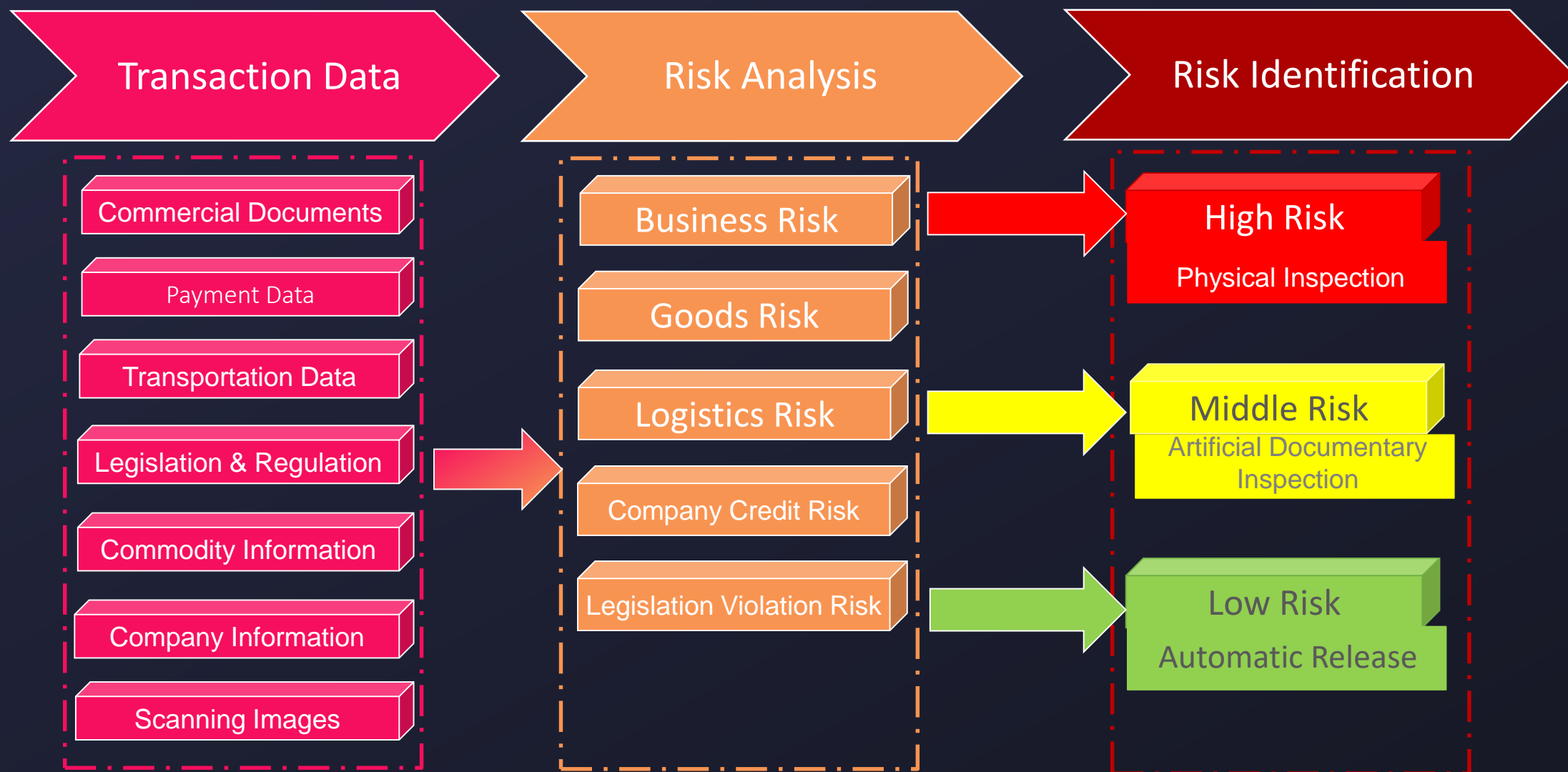


Exchangeable



Interpretable

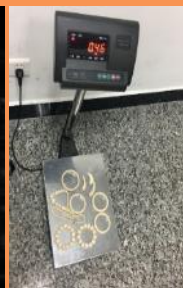
Risk Analysis Based on Big Data



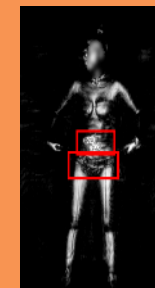
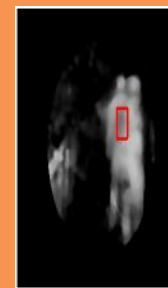
AI Accelerating Inspection Process



NUCTECH
AI Inspection System



Prohibited items



Dutiable items



Drugs



Guns



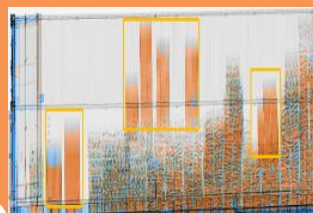
Ivory



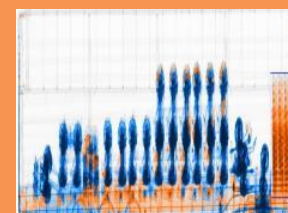
Cash



Wine



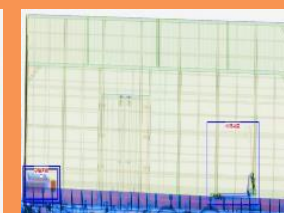
Cigarettes



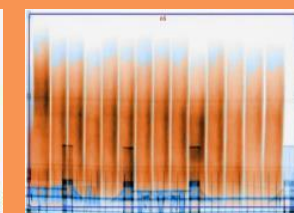
Liquor



Wastes

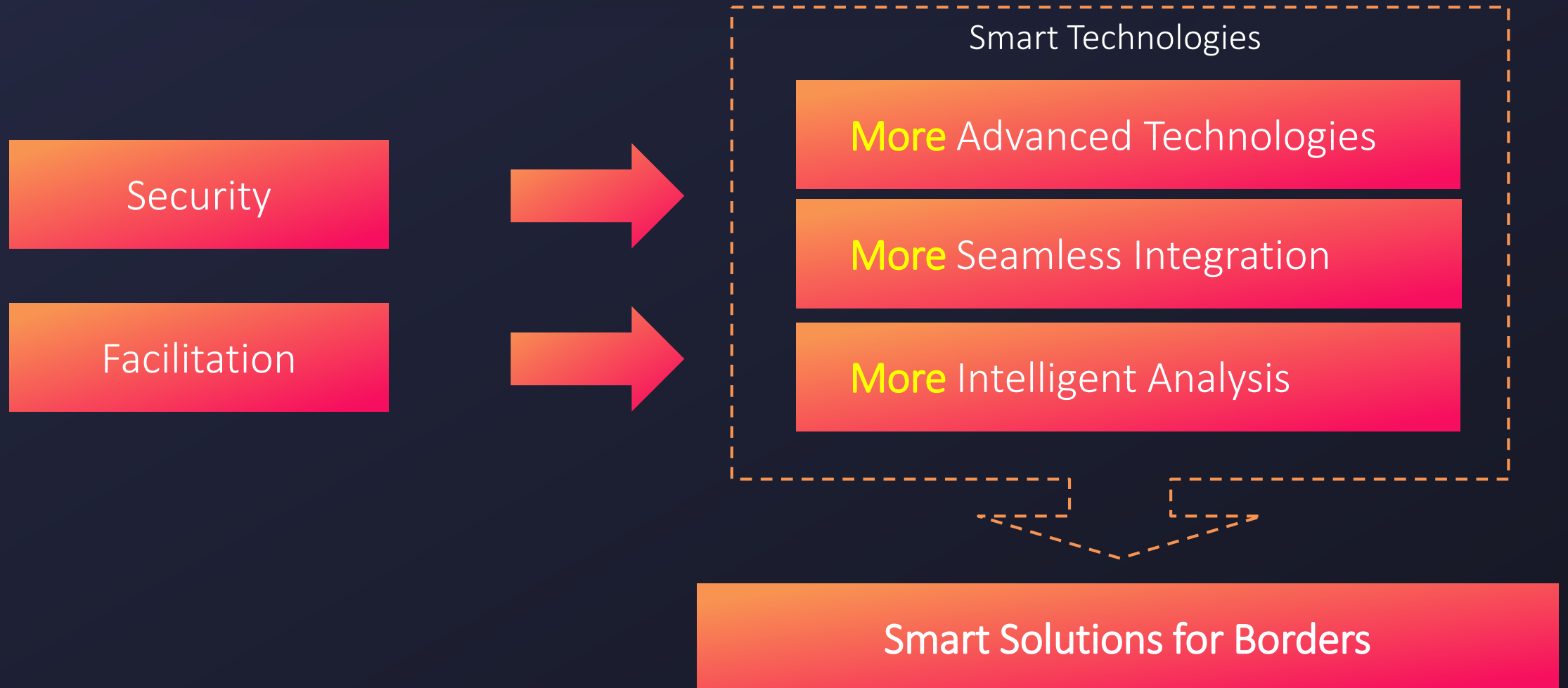


Empty container



Hidden items

SMART Borders Driven by Smart Technologies



THANK YOU

www.nuctech.com

June 2019