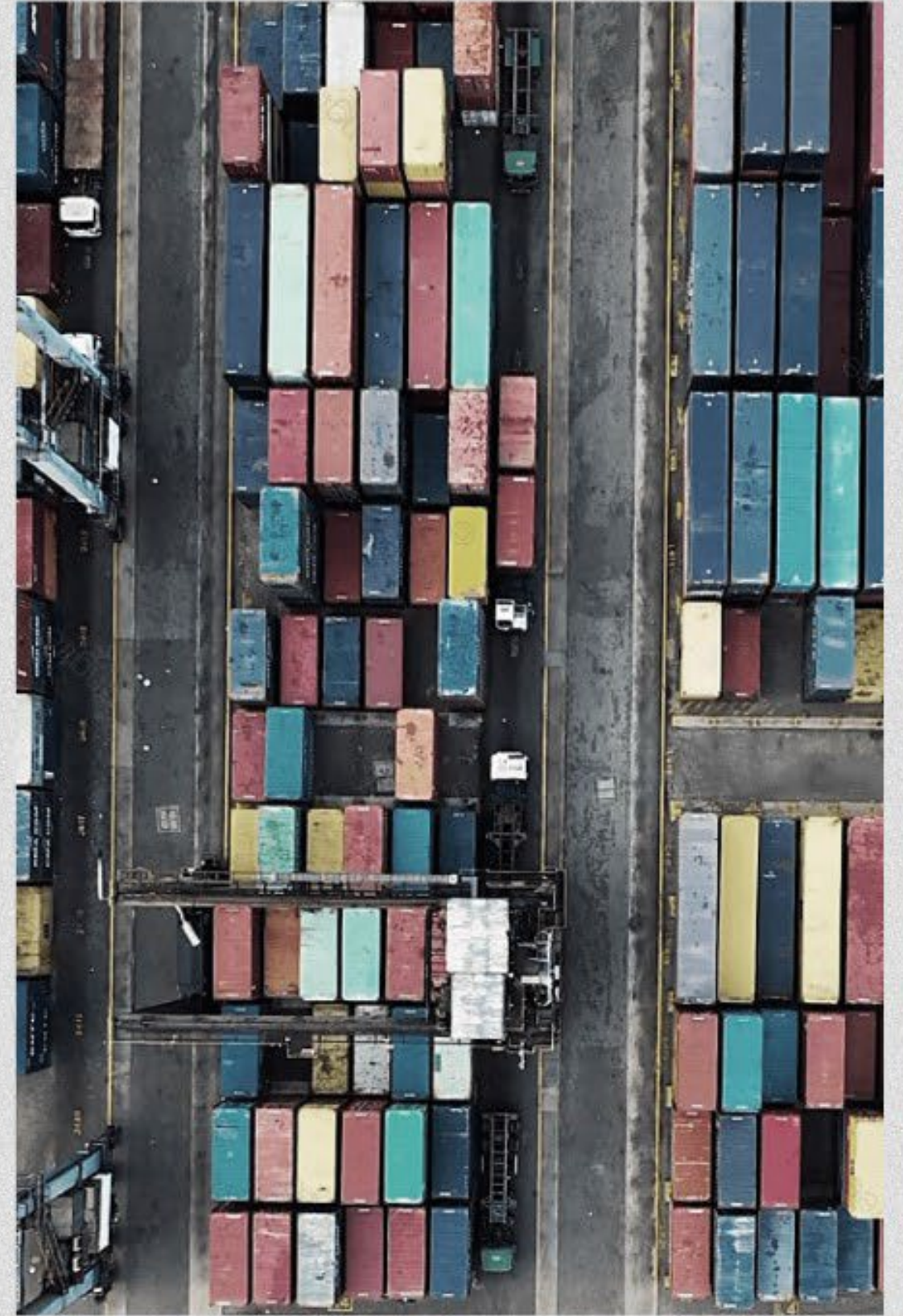
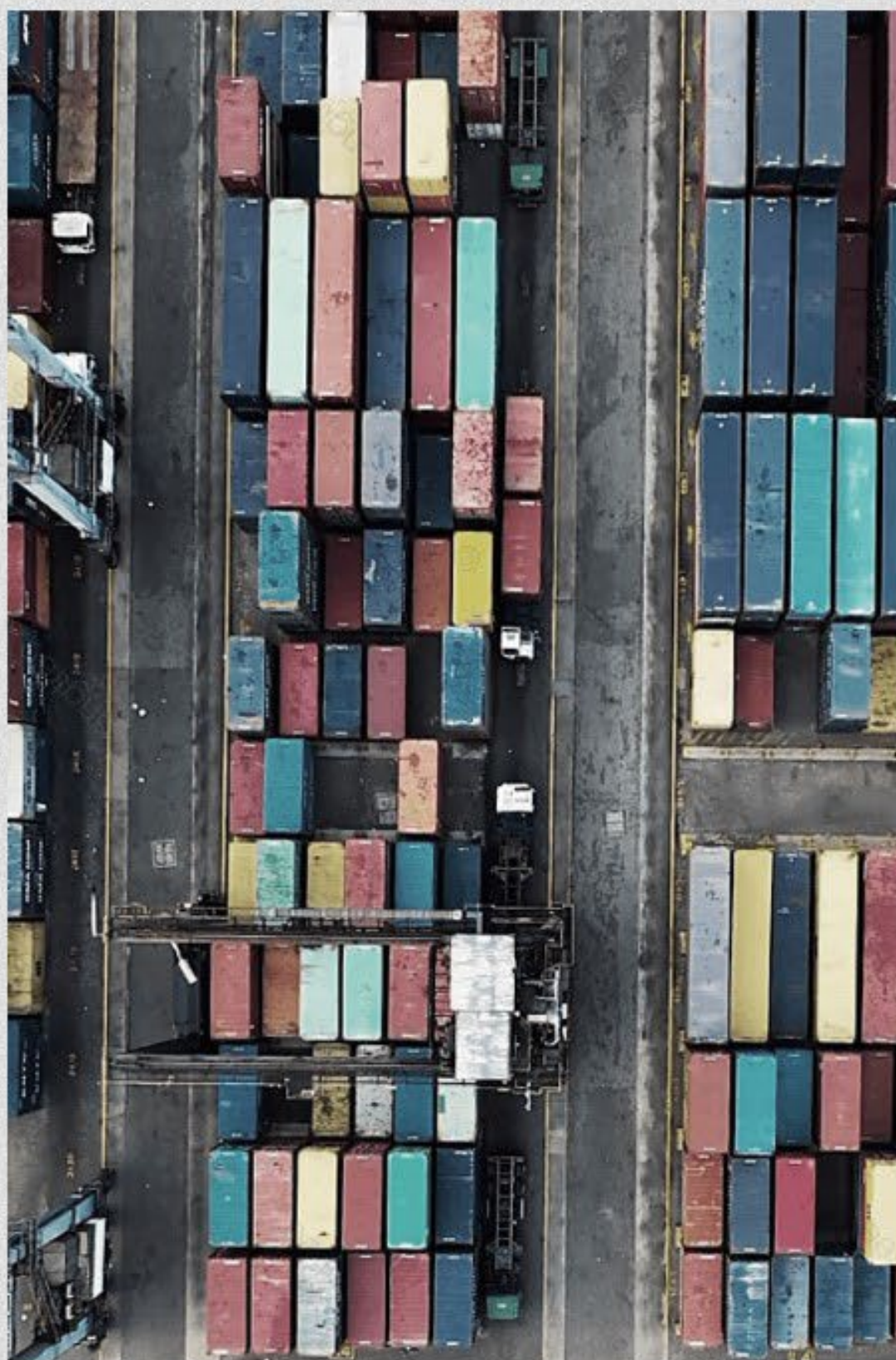


2025 WTO TFA WTO TFA Implementation of KCS

KCS Deputy Director Taehoon. Hwang

March 12, 2025





01 **DX(Digital Transformation) to AX(AI Transformation)**

02 **Facility Improvement**

03 **International Cooperation**

01

DX to AX

UNI-PASS

Declarants

Customs Broker
Consignor
Consignee
Carriers
Forwarders

Master BL, Manifest

Electronic Documents
Intermediaries

Export/Import Declarations other Declarations

Customs



Government Agencies and Privates

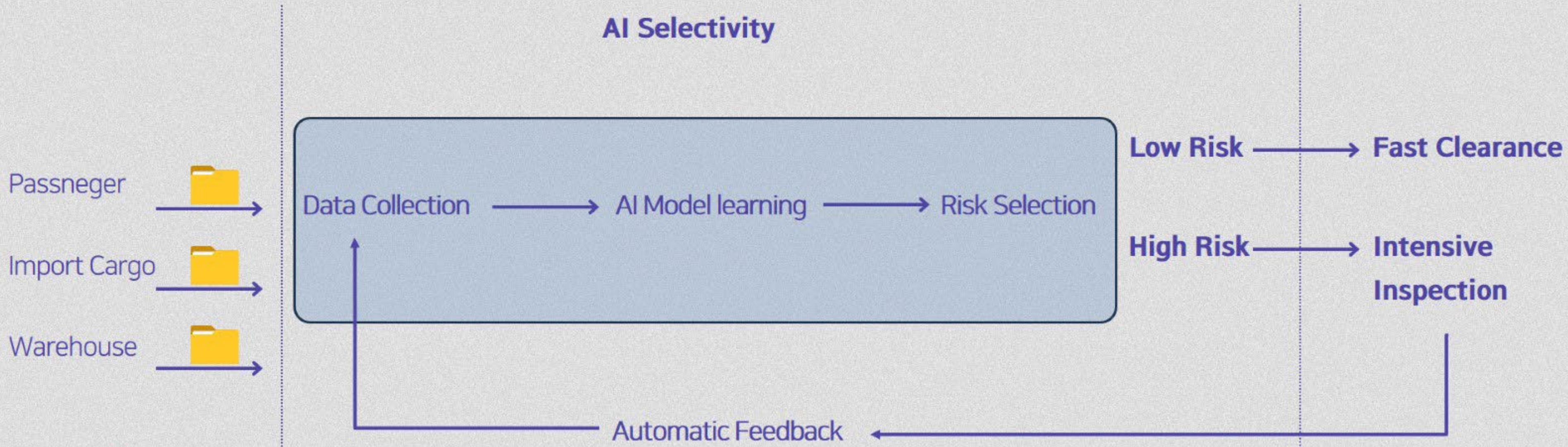
40 governments to share information
34 governments to handle regulatory requirements
The Korea Food and Drug Administration
The National Fisheries Products Quality Inspection Service

Terminal operators
companies
Duty free shops
guarantee insurance companies Etc

 **Data sharing resistance from private sector entities**

01

Artificial Intelligence



Ensuring clean data

01

Artificial Intelligence

	Cargo for Inspection		Preferred Passenger		Express Cargo	
	High Risk Model	Supply Chain Model	High Risk Model	Drug Risk Model	High Risk Model	Drug Risk Model
2022	Advanced declaration & detection(102)	Supply Chain High Risk Patterns 4				
2023			PNR Information Inspection results, etc (99)	PNR Information Declaration, Risk Patterns(155)		
2024					E-commerce Information Inspection results,etc(110)	Personal Import Investigation Inspection results(101)

01

RPA(Robotic Process Automation)

RPA Case : Automation of international postal inspection result register

As Is

entering of mail information and inspection result in UNI-PASS



Preparation of Inspection results in Excel format



Attaching the report and sending it via email



Participation and Cooperation from operational divisions

To be

Recognition Postal barcode



entering only inspection result in UNI-PASS



Automatic generation of the inspection report

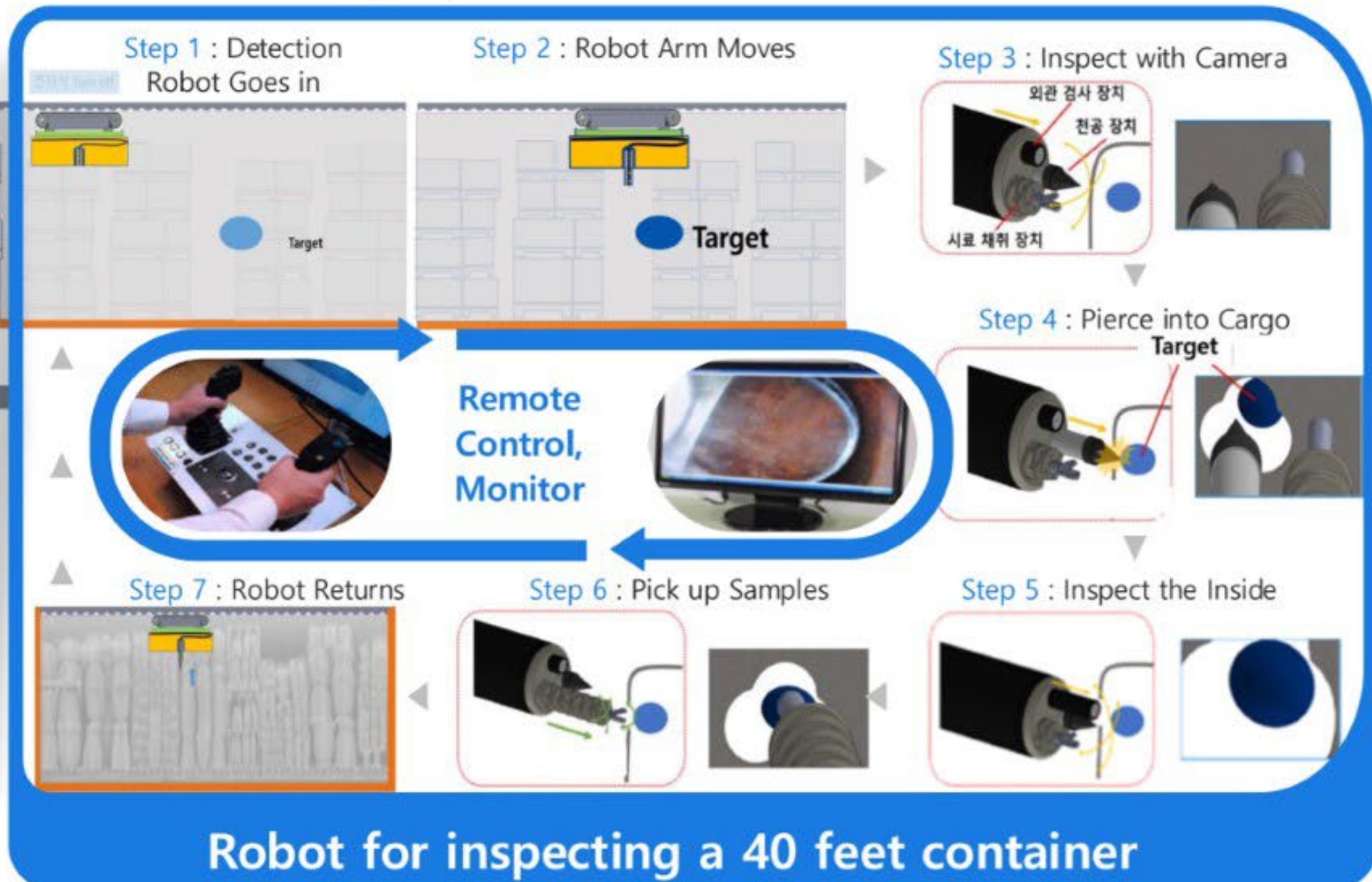


Automatic email dispatch with the report

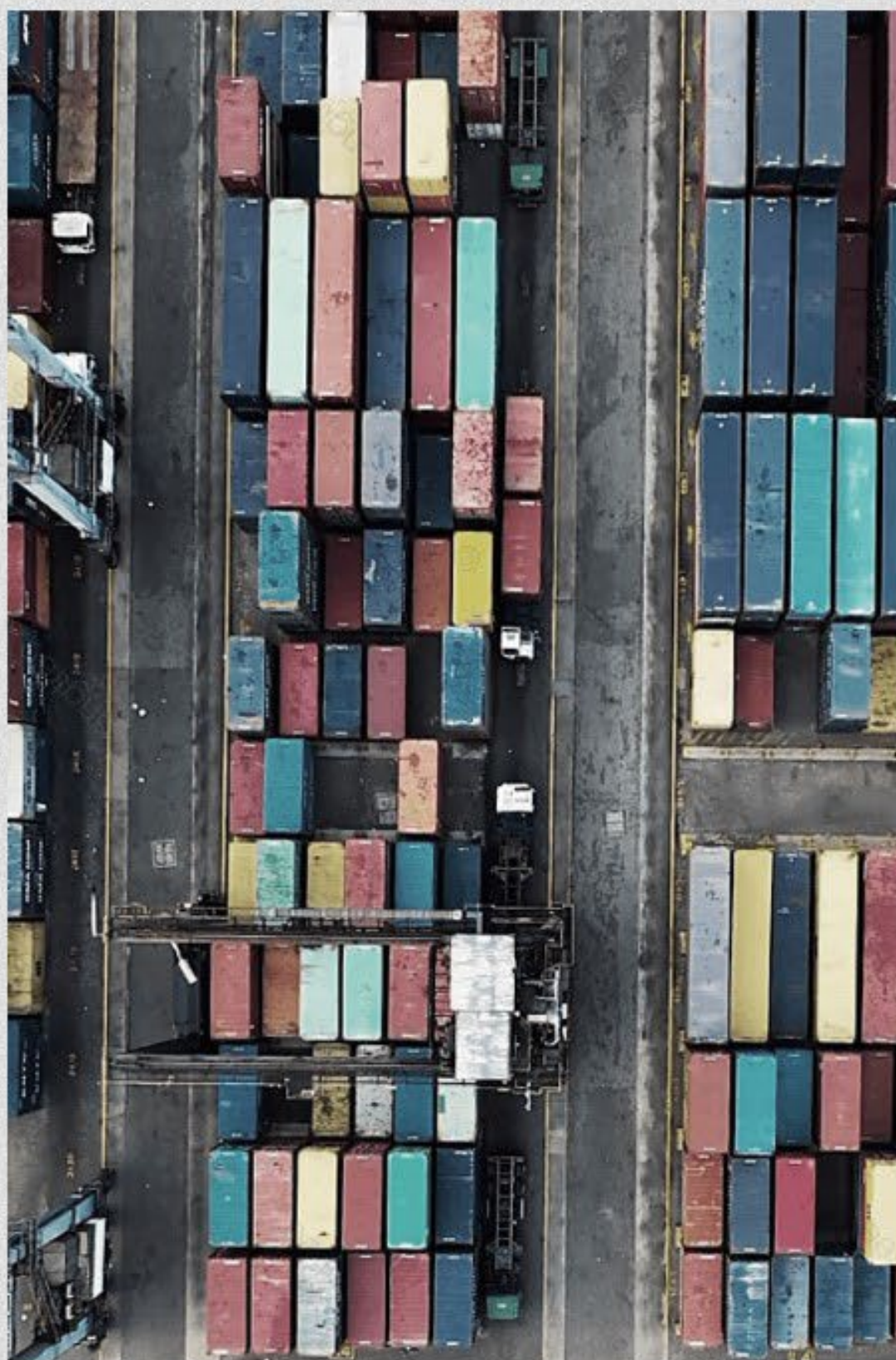
01

Customs Laboratory Initiatives

Customs Lab Case : Detection robot for container inspection



- **Faster Inspection** without Unloading the Cargo
- **Prevent Exposure** to Hazardous Cargo



01 DX(Digital Transformation) to AX(AI Transformation)

02 Facility Improvement

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02 Facility Improvement

Incheon Express Cargo Center(Air Cargo)

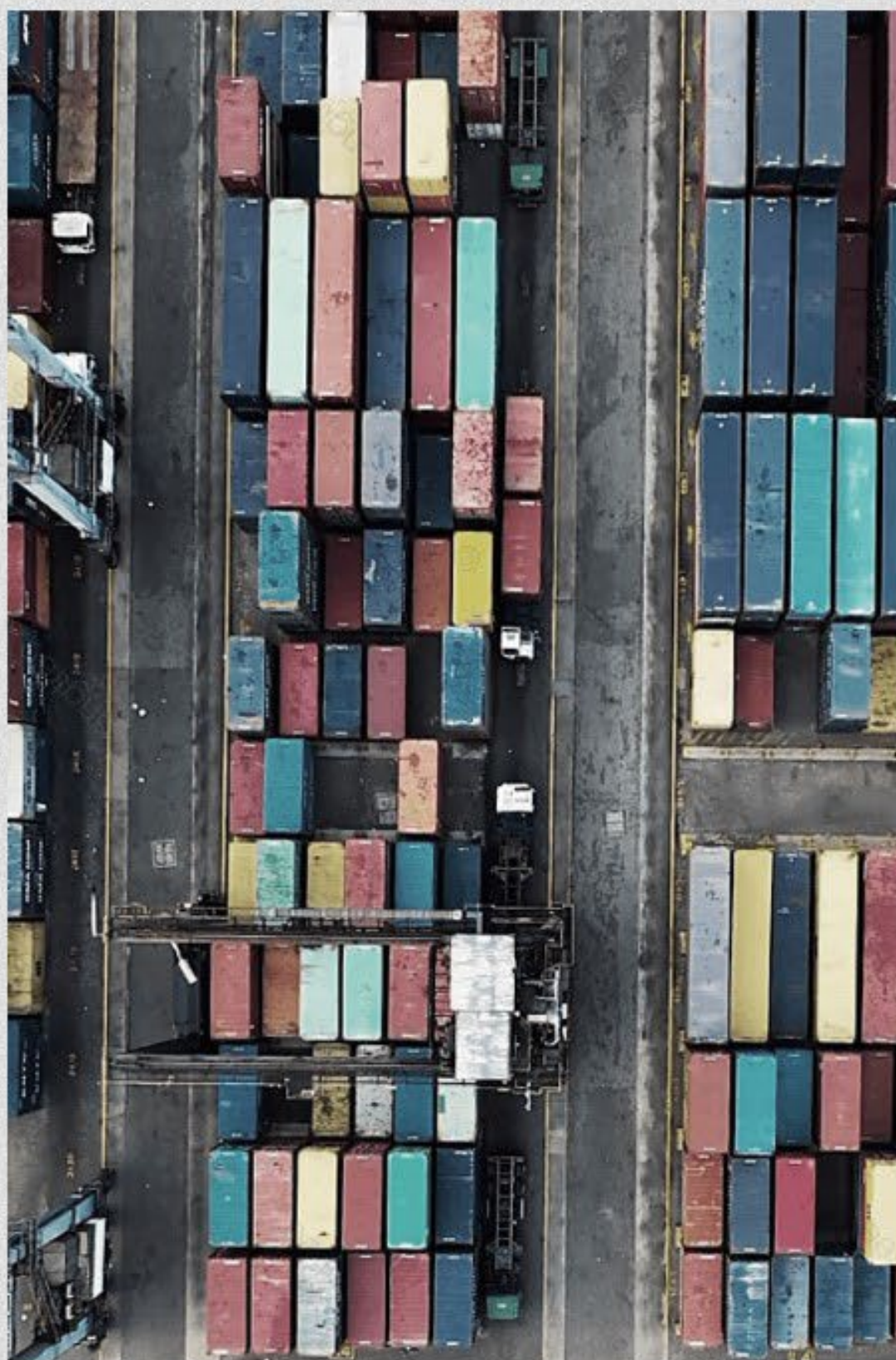


- Construction : 2013 to early 2016
- Area : Total ground area of 35,885m²
- Location : In the cargo terminal of Incheon Airport Intl Airport

Incheon Integrated Inspection Center(Sea Cargo)



- Construction : 2019 to 2023
- Area : Total ground area of 99,065m²
- Location : In the cargo terminal of Incheon port



01 DX(Digital Transformation) to AX(AI Transformation)

02 Facility Improvement

03 International Cooperation

04 Strengthening International Cooperation

TFA Workshop



Exchange of e-C/O



AEO MRA



Thank you