

# 3S Cases of Innovative Solutions for Trade Facilitation

by China Customs



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**"Smart Customs"** aims at building digital and modern Customs.



**"Smart Borders"** is designed to connect various authorities along the borders between two neighboring countries.



**"Smart Connectivity"** intends to create a network among all parties in the global supply chain.

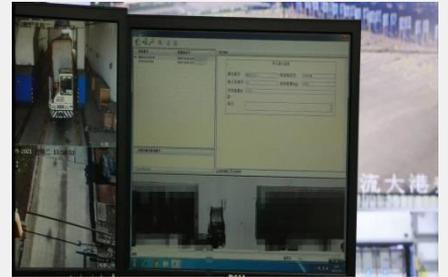
## 3S case A: Customs Smart Inspection in Yangshan Automated Container Terminal

- Shanghai boasts the world's largest container terminal. In 2021, the container throughput of Yangshan Port reached a record high of **22.8 million TEUs**.
- In 2021, Yangshan Customs House carried out non-intrusive inspections of **84,206 containers**. This number is **1.5 times** higher than that in 2019.
- Heavier tasks call for greater efficiency with technological support.



### 3S case A: Customs Smart Inspection in Yangshan Automated Container Terminal

- Through Customs-Port cooperation, Customs instructions are embedded into the automated operational system of the port.
- According to Customs instructions, the automated guided vehicles (AGVs) transport the selected containers to the H986 non-intrusive equipment for inspection (**unmanned process**).
- The scanned images are immediately transmitted by optical cable to **the Image Analysis Center** of Yangshan Customs House **30 kilometers away** for AI-based smart analysis. Currently, the average analysis time for every image is only **5 seconds**.
- Cases of false declaration, concealment and smuggling of contraband can be automatically identified and an alarm be triggered as a result.



## 3S case A: Customs Smart Inspection in Yangshan Automated Container Terminal

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- Via Shanghai Customs Big Data Platform for Cross-Border Trade, customs can obtain **external data** from the port operators, transportation enterprises, importers and exporters, as well as **internal data** including declarations and manifests from customs itself, to carry out risk analysis for smarter customs control and service.
- As of today, the said platform has established a big data pool of **9.4 billion** pieces of data and 86 smart risk control models covering key business areas. More than **20,000** supply chains of **1,477** enterprises have passed security assessment, and **700,000** batches of consignments have been released automatically.



## 3S case B: Chongqing Municipality-Singapore City Digital Connectivity Platform

### DATA EXCHANGE

- Enterprises can upload the cargo container number into the **digital connectivity platform** voluntarily. The Chinese government and relevant enterprises of the two countries can carry out **real-time tracking** and **smart inquiry** of cargo logistics between the two sides, thus increasing visibility of cargo movement and transportation, and enabling enterprises to adjust sales and production plans quickly.
- As of May 31st 2022, the information covering **345,000** batches of containers has been exchanged, applauded by enterprises, in particular **small and medium-sized** ones who are eager to engage in global trade.



## 3S case B: Chongqing Municipality-Singapore City Digital Connectivity Platform

### BONDED AVIATION PARTS

- In the past, different aviation parts were stored in different cities **scattered** in China. Thanks to this digital connectivity platform, now Singapore Airlines and other Airlines can declare and clear all their aviation parts stored in any warehouses nationwide in Chongqing Municipality in a **centralized** manner.
- Airlines can thus enjoy **“one declaration and one clearance”** instead of multiple customs clearance procedures in warehouses of different cities, which effectively **reduces the cost** of Airlines and has **won wide recognition** of both the business and the government.



## Common Findings of both 3S Projects

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### Both 3S Projects features:

- Innovation: **unmanned, automated, trackable, traceable.**
- Enhance supply chains : **safe, stable, smooth.**
- Experience sharing: **communication, cooperation, data mining, common development.**

**Thank you!**

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