



Smart Customs and New Technology Application in China Customs

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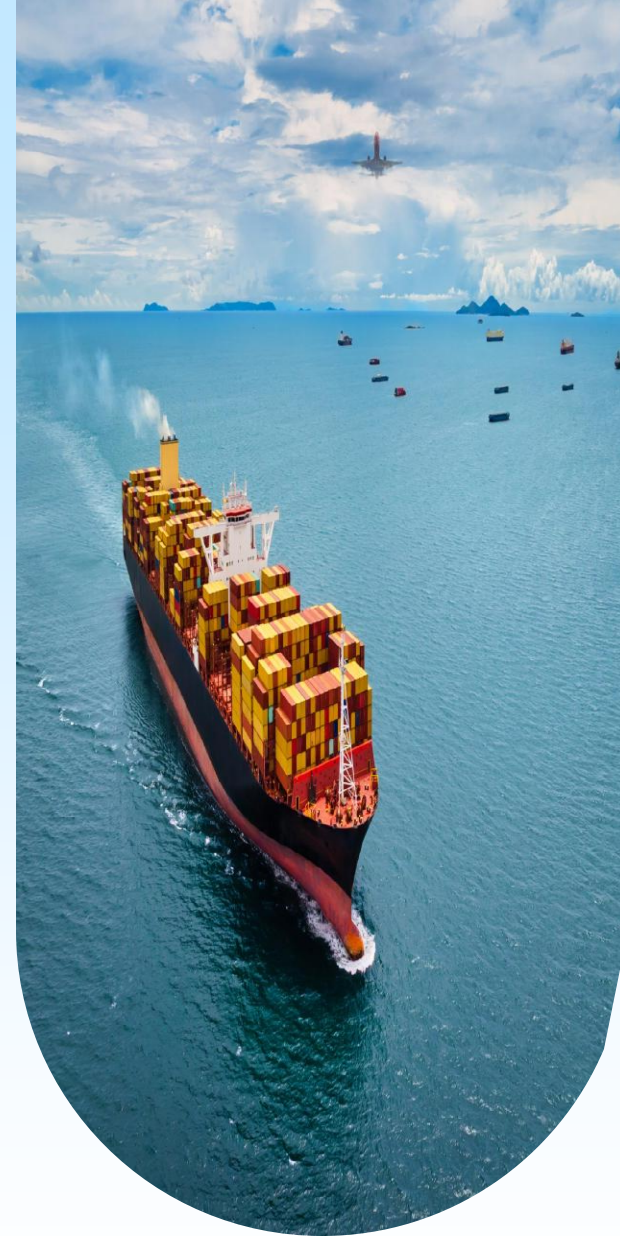


1. Concept and key elements of Smart Customs construction

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4. Customs Best Practice





Concept and key elements of Smart Customs construction



Concept and key elements of Smart Customs



Covering the four key areas of supervision, risk prevention, service, and collaboration

01

End-to-end Flow-Based Supervision

Integrate customs supervision into corporate operations and international trade logistics to streamline customs clearance processes.

02

Whole Process, Multidimensional and Unified Risk Management

Leveraging big data, it identifies, assesses, and addresses risks to ensure compliance and facilitation.

03

Comprehensive, Efficient and Convenient Services

Drive the intelligent upgrade of the "Single Window" and integrate cross-departmental procedures.

04

Coordinated and Smooth Operation Across All Domains

Conduct real-time, tiered and categorized oversight of operations, automatically analyzes data, monitors for anomalies, and enhances operational efficiency.



Achievements in safeguarding national security and promoting development

Safeguarding National Security



Intelligent Security for Our Borders

1

Model clusters are embedded in the Customs Operational System, enabling rapid risk screening for 100% of customs declarations.

3

Utilizing AI-powered image analysis to recognize multiple commodity types and improve contraband interception rates.

2

AI-powered document and certificate verification, performing comprehensive logical screening of all data, with the capability to identify more than 100 types of certificates from 42 countries.



Enhanced Trade Facilitation



Multiple initiatives to enhance clearance efficiency

1

One-stop-shop Service Platform

3

Promoting Port Logistics Information Sharing

2

Promoting the remote video-based inspection model to facilitate the clearance of fresh agricultural and food products

4

Introducing Smart Passenger Clearance to provide an imperceptible process backed by intelligent monitoring



Deepen International Cooperation



The screenshot shows the WCO Smart Customs Project website. At the top, there are logos for WCO, SMART CUSTOMS, and 中国海关 (China Customs). Navigation links include About, Resources, Tech Talks, Synergies, and Forums. A search bar is present with the text "Enter your keywords here". Below the navigation, the page title is "The WCO Smart Customs Project". The main content area features a large blue graphic with a globe and a hand holding a glowing sphere. Text on the graphic includes "World Customs Organization" and "SMART CUSTOMS PROJECT Empowering Customs through disruptive technologies".

The screenshot shows the BRICS Smart Customs Center of Excellence website. The header is in Chinese: "金砖国家“智慧海关”示范中心网" and in English: "BRICS SMART CUSTOMS CENTER OF EXCELLENCE". Below the header, there is a navigation bar with the text "当前位置: 首页 > 金砖国家“智慧海关”实践". The main content area is titled "Best Practices of Smart Customs". It features three columns of images and text boxes. The first column shows images of bowls and a rooster, with the text: "Using intelligent authentication devices to implement cross-border artwork supervision". The second column shows images of a control room and a person at a desk, with the text: "Automated whole-process supervision of bulk mineral imports through online inspection". The third column shows an image of a person at a desk, with the text: "Using highly integrated radar detection technology to enhance the inspection of live exotic pets".

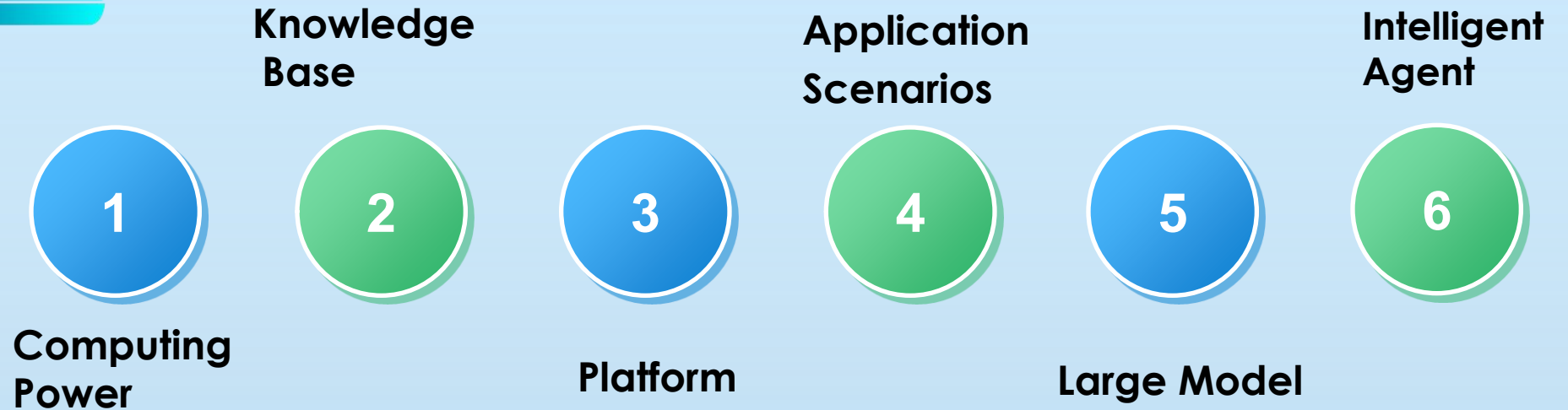


AI Application in China Customs





From Technical Foundation to Business Implementation





Customs Best Practice

Real-World Applications in Shanghai Customs

AI Powered Intelligent Risk Identification



1

Digital Language Conversion

Customs laws, regulatory requirements, classification rules

2

Train an AI Large Model for Customs Clearance

Declaration data

3

Identify Risk Characteristics

Misclassification of goods, abnormal declaration entries

4

Targeted Disposal

Automated release for low-risk declarations, while high-risk targets are subjected to precise control measures

Intelligent Identification System for Harmful Organisms



1 Macro+Micro Multimodal Training Set

2 Image representation vector

3 Building a network model



4 Biometric classification





Thank you

General Administration of Customs

The People's Republic of China