



Smarter Image, Faster Clearance

Accelerating Efficiency Through
NII and AI-powered Image Review

Lei Dongying, General Administration of China Customs

WCO Technology Conference & Exhibition, 2026.01.28

Non-Intrusive Inspection Equipment



Large-scale NII System



CT Scanner



X-ray Machine

Non-Intrusive Inspection Equipment



1



Fixed

2



Combined

3



Vehicle-mounted

4



Rapid-inspection

5



Train-specific

6



Small-vehicle-specific

- Vehicle inspection in 2 minutes
- Container inspection in 2.5 minutes
- Train inspection at a rate of 2,100 carriages per hour

Customs Supervision Facing New Challenges



Surging Trade Volumes



Complex Border Security Threats



Demands for Rapid Customs Clearance



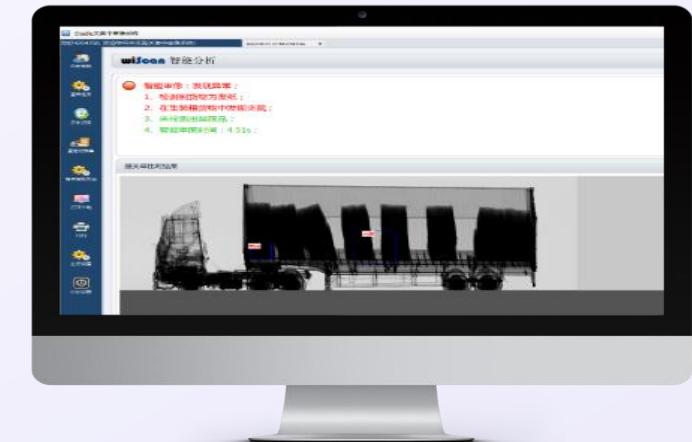
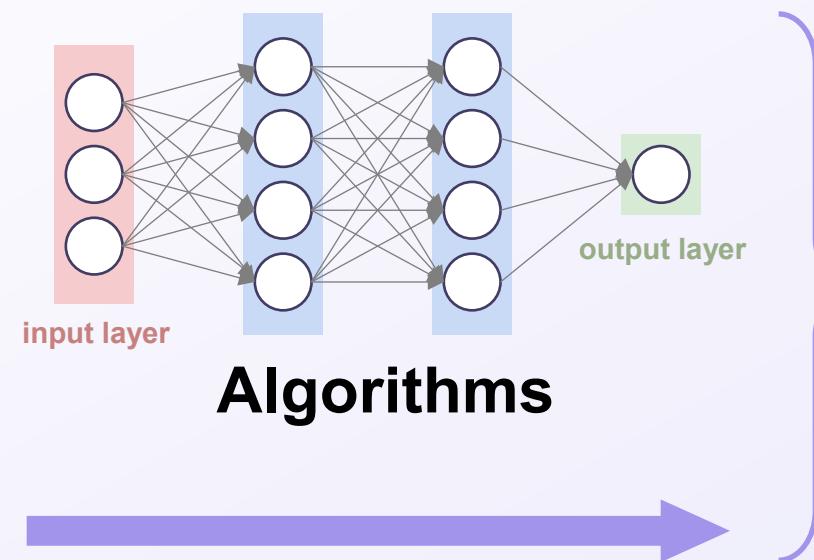
AI-powered Image Review System



Massive Image Data



Document Information

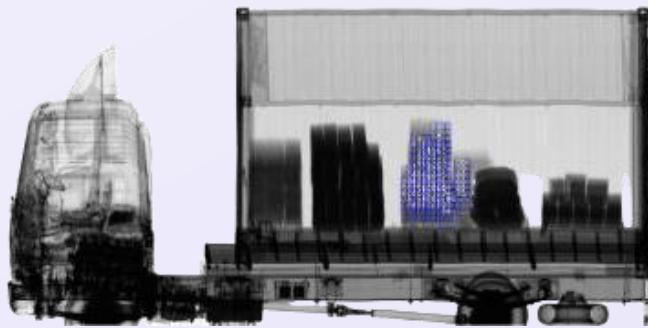


Warning Message

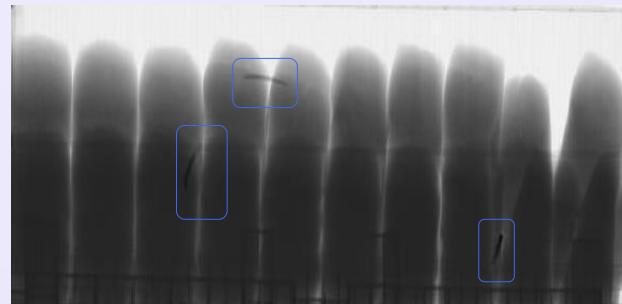
AI-powered Image Review System



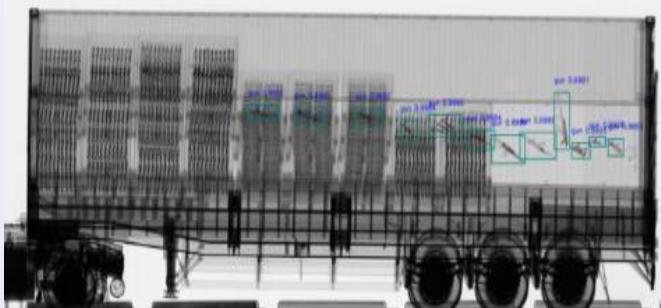
Interception Algorithms



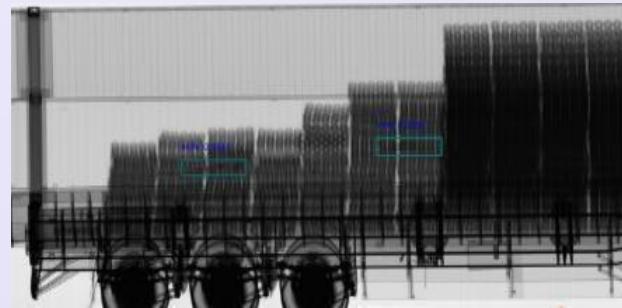
Cigarette



Ivory

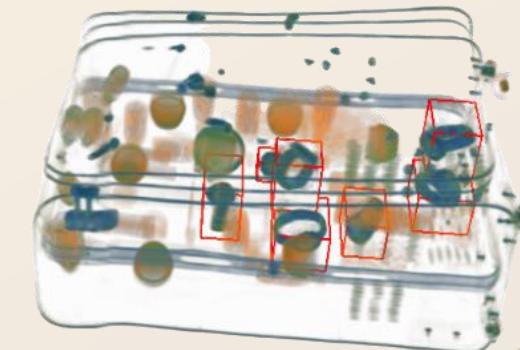


Firearm

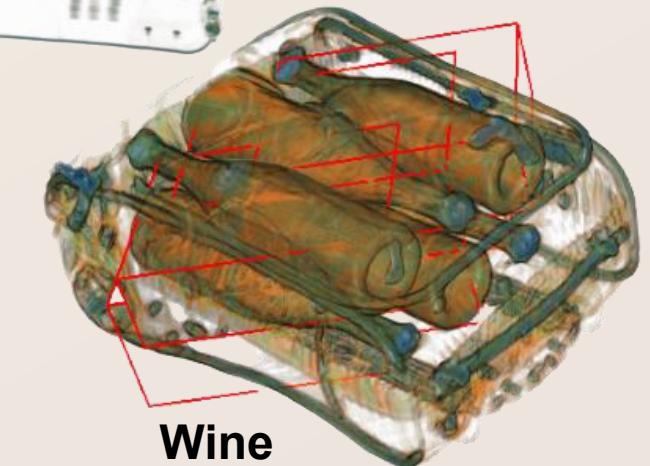


Knife

Recognition Algorithms

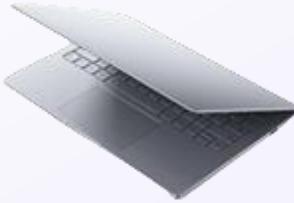


Watch

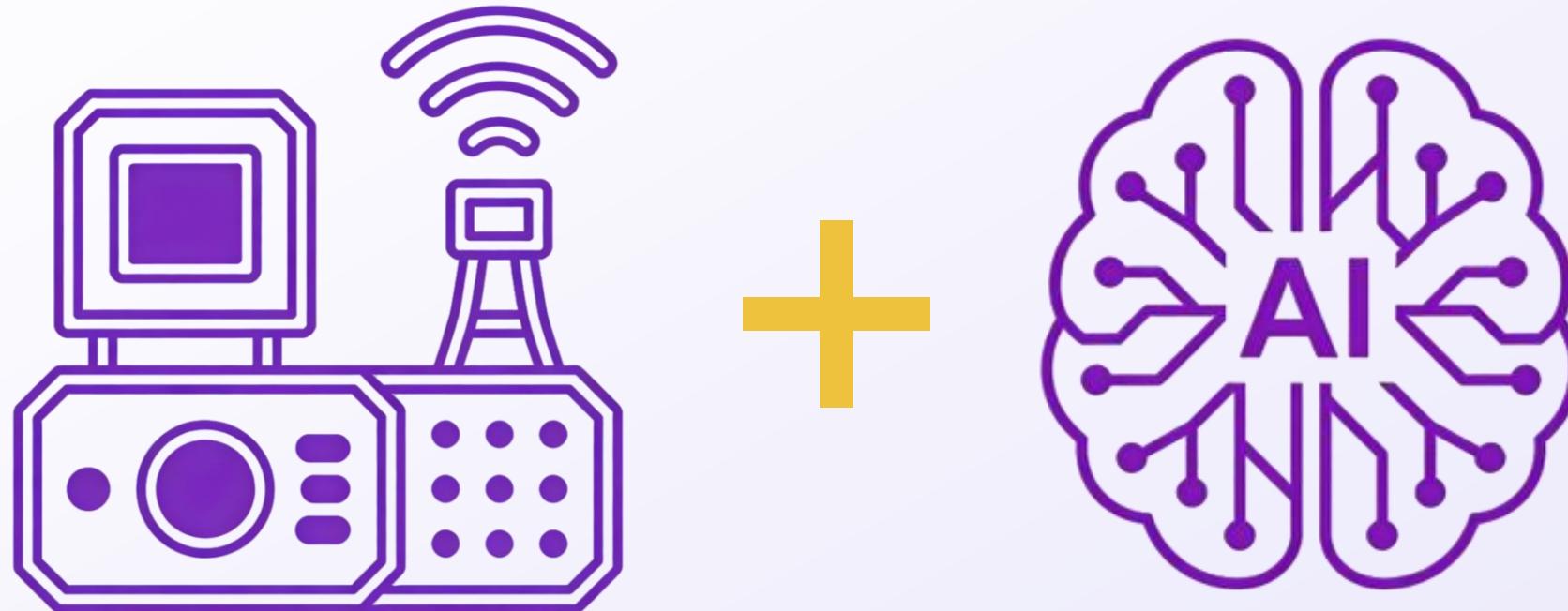


Wine

AI-powered Image Review System



Next-generation Technology



Hopes For Future Cooperation



01

New Technology Application

02

Customs Digitalization

03

Intelligent Equipment Development



Let's work together to address new challenges and foster prosperity in international trade!



Thanks

Lei Dongying, General Administration of China Customs
WCO Technology Conference & Exhibition, 2026.01.28