Egyptian Smart Customs Vision 2030

"Smart Moves. Big Impact."

[Eng: Radwa Farghaly/ R&D Department]

Egyptian Customs Authority / Ministry of Finance

THE SMART CUSTOMS STAIRCASE
3 LAYERS, 4 PILLARS

FOUNDATION — Live Digital Projects (2019–2024)

→ Project: National Single Window "Nafeza" | Phase 1: 2019
- 70% reduction in clearance steps.
- Physical + Digital: Advanced Logistics Centers (ALCs).

→ Project: Advance Cargo Information (ACI) | Maritime: 2022 → Aviation: 2024
- Pre-arrival data mandatory for sea → now extended to air cargo.
- 90% compliance → enables "release on arrival".

→ Program: E-Commerce Clearance Gateway | Live 2023 (Egypt Post) → Scaling 2025
- Dedicated digital lane for B2C parcels.
- Integrated with Egypt Post — auto-assessment, tracking.
- In Progress: Aramex, DHL, FedEx integration (Pilot Q4 2025).

Trade Facilitation

LEAP — Scaling Intelligence (2025–2026)

→ Project: AI-Powered Clearance Predictor | Pilot 2025
→ Program: "Egypt Trade Fast Lane" for SMEs & E-Commerce | Launch 2025
→ Project: Blockchain e-B/L & e-Invoice Interop | 2025

Trade Facilitation

VISION — (2027–2030)

→ "Port-to-Port + Airport-to-Last-Mile Digital Corridor" | 2027
→ "Fully Automated Green Lane for E-Commerce & AEOs" | 2030

Trade Facilitation

FOUNDATION — Live Digital Projects (1998–2024)

→ Project: Risk Management System v1.0 | Live 2020 → Enhanced 2023
- Rule-based targeting engine
- Reduced physical inspections by 30% while increasing seizure rate by 18%
- Integrated with AEO profiles & trader history

→ Program: Non-Intrusive Inspection (NII) Rollout | 1998 –2024
- Deployed over than 100 X-ray units ,Cut inspection time from hours → minutes
- Reduced cargo damage & officer exposure

→ Project: AEO Mutual Recognition with UAE & KSA | Signed 2023
- Shared risk profiles, joint audits, reduced duplication
- Pilot data exchange live Q1 2024 — covering 15,000+ shipments

Customs Control

LEAP — Scaling Intelligence (2024–2026)

→ Project: National-RMS | Pilot Launch: 2025
- Unified risk parameters with co – partners

→ Project: AI Image Recognition for Prohibited Goods | Target: 2026
- Scans container images + manifests for narcotics, weapons, counterfeit goods, supporting with ATR technology in NII Systems

→ Project: Smart locks | Target: 2026
- Using of smart E-lock for shipment with high advanced specifications and technology

Customs Control

VISION — (2027–2030)

→ NII Operation Center | Target 2027
- One control center , seamless flow , integration between systems
- Single dashboard for national threat detection & trade flow optimization

→ Customs Operation Center | Target 2027
- Zero human intervention for low-risk cargo — officers focus on exceptions & intelligence

Customs Control

FOUNDATION — Live Digital Projects (2020–2024)

→ Project: National Customs Data Repository (Updated 2023)
- Centralized, cleaned, and standardized of legacy customs data
- Enabled reporting, audit trails
- Reduced data retrieval time from days → seconds

→ Project : Customs Managements Applications | Live Since 2020
- Fully digitized Applications that decreasing of paper-based about 40%

→ Project: Tableau Business Intelligence Platform | Live Since 2022
- Dashboards cover (clearance times, inspection rates, revenue trends, officer productivity)

Data Modernization

LEAP — Scaling Intelligence (2024–2026)

→ Project: Electronic Tariff & Duty Calculation Engine | Live 2026
- Auto-classifies HS codes + calculates duties/VAT in real-time
- Integrated with e-Invoicing & Nafeza — reduces misdeclaration by 35%

→ Project: X-Ray Digital Log & Analytics | Live Q1 2026
- Every scan recorded + analyzed — cuts missed contraband by 22%

→ Project: Abandoned Goods System | Pilot 2024
- End-to-end tracking & auction — targets EGP 500M+ annual recovery

Data Modernization

VISION — (2027–2030)

→ "AI-Ready Customs Data Fabric" | Target 2030
- All internal systems feed structured, labeled, real-time data into unified AI layer

→ "Zero Paper, Zero Legacy — Fully Digital Customs" | Target 2030
Every scan recorded + analyzed — cuts missed contraband by 22%

→ Project: Abandoned Goods System | Pilot 2024
- All processes — from officer onboarding to cargo release — 100% digital, auditable, automatable

Data Modernization

FOUNDATION — Live Digital Projects (2023–2024)

→ **Project: Nafeza Mobile App / ECA Modern Website | Live 2023**
- 120K+ downloads — real-time tracking, duty calculator, document upload
- User friendly , Modern website

→ **Project: e-Payment Gateway Integration | Live 2023**
- 95% of duties paid digitally — instant release upon payment

→ **Project: Electronic Complaints & Suggestions Portal | Live 2024**
- Submit, track, and rate resolution of complaints
- Top complaints auto-flagged for process redesign — closes feedback loop

E - Service

LEAP — Scaling Intelligence (2025–2027)

→ **Program: Public KPI Dashboard | Launch 2027**
- Live clearance times, inspection rates, satisfaction scores

→ **Project: AEO Egypt Portal | Rollout 2027**
- Tiered benefits: deferred payment, audit-based controls

E - Service

VISION — (2027–2030)

→ Project: AI Chatbot "CustBot" | Beta 2028
- Arabic/English — handles 70% routine queries

→ Project: "AI-Powered 'Clearance Concierge | Target 2030
- Guides step-by-step — predicts gaps, books slots, tracks cargo

→ Project: "Real-Time Trader Feedback Loop" | Target 2030
- Every rating → process redesign → officer KPI → public report

E - Service

WORLD CUSTOMS ORGANIZATION
ORGANISATION MONDIALE DES DOUANES

Thanks
Smart Moves. Big Impact.
This is Egypt's Customs — real, evolving, and open.
We're not just sharing a vision. We're inviting you to co-build with us.

Your questions? Your ideas? Your partnership?
→ We're listening.