



حكومة عجمان
Government of Ajman

دائرة الميناء والجمارك
Department Of Ports and Customs



جمارك الإمارات
UAE CUSTOMS



WORLD CUSTOMS ORGANIZATION
ORGANISATION MONDIALE DES DOUANES

Above the Cloud - Enhancing Customs Security through Cloud Computing and Data Analytics

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Introduction

- Rapid growth of global trade and cross-border risks
- Customs security as a strategic priority
- Leveraging cloud computing and data analytics
- Balancing border security and trade facilitation

Strategic Alignment

- Alignment with UAE Cloud & Digital Government strategies
- Cloud transformation as a strategic decision
- Enhanced security, readiness, and business continuity
- Secure and trusted data environment

Infrastructure & Integration

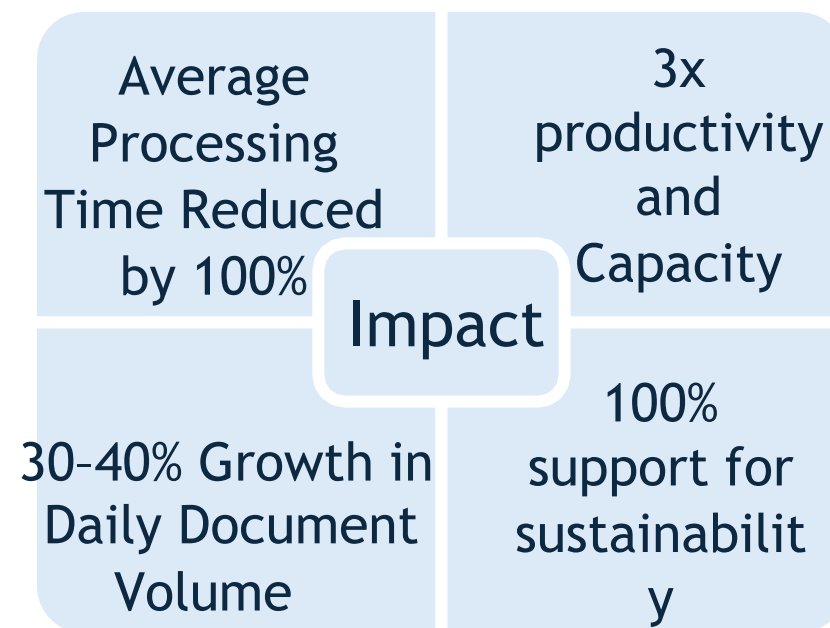
- Long-term, phased digital transformation roadmap
- Secure and scalable cloud infrastructure
- 100% digital transformation of services
- Federal integration via UAE Customs platform
- High-efficiency internal and external system integration

Data Analytics & Decision Support

- Maximizing data value for customs security
- Business Intelligence KPIs platform
- Real-time dashboards and strategic KPIs
- Proactive risk analysis and anomaly detection
- Analytics across documents, invoices

Smart Projects and Data-Driven Initiatives

- Data-driven initiatives based on analytics outcomes
- Key Initiatives:
 - ❑ Smart Customs Broker
 - ❑ Smart Customs Clearance (AI-enabled)
 - ❑ Robotic Process Automation (RPA)



Toward a Smart and Sustainable Customs Ecosystem

- Cloud computing, data analytics, and AI as strategic enablers for customs security
- Intelligent, resilient, and sustainable customs ecosystem
- Integrated approach: Infrastructure, Analytics , Data-Driven Initiatives
- Balanced model combining enhanced security and trade facilitation
- High system readiness, procedural reliability, and business continuity
- Scalable and future-ready model reflecting digital transformation

Smart security is not about adding controls, it is about building intelligence into every stage of the customs journey

Thank you

