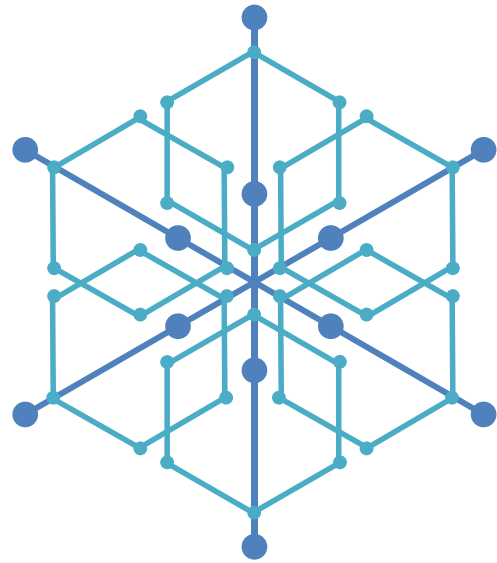




Unveiling the Power of Blockchain: Transforming Customs Operations for Seamless Trade Facilitation Egypt's National Single Window (NAFEZA)

Powered By: Misr Technology Services (MTS)





BLOCKCHAIN



Security

Immutable and transparent transactions



Efficiency

Streamlined processes with smart contracts



Trust

Decentralized and tamper-proof record-keeping



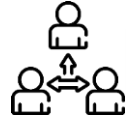
\$27B

By 2030, financial institutions around the world will save more than \$27B annually in cross-border settlement transactions using Blockchain technology

Source: McKinsey & Co



**Complexity and
Bureaucracy**



**Multiple
Intermediaries**



**Inefficiency & Lengthy
Documentation
Processes**



**Delays in Customs
Clearance**



**Difficulties in
Tracking Shipments**



**Lack of
Transparency**



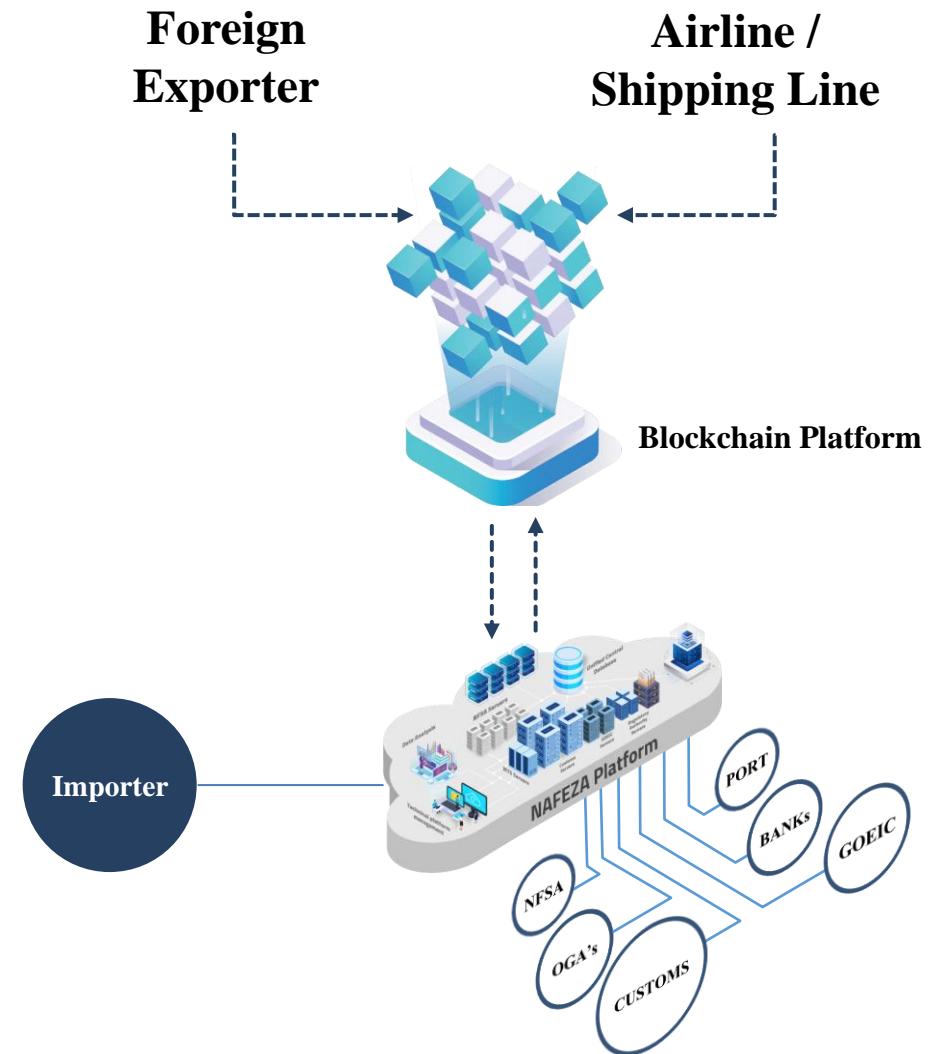
**Risks of Fraud &
Corruption**



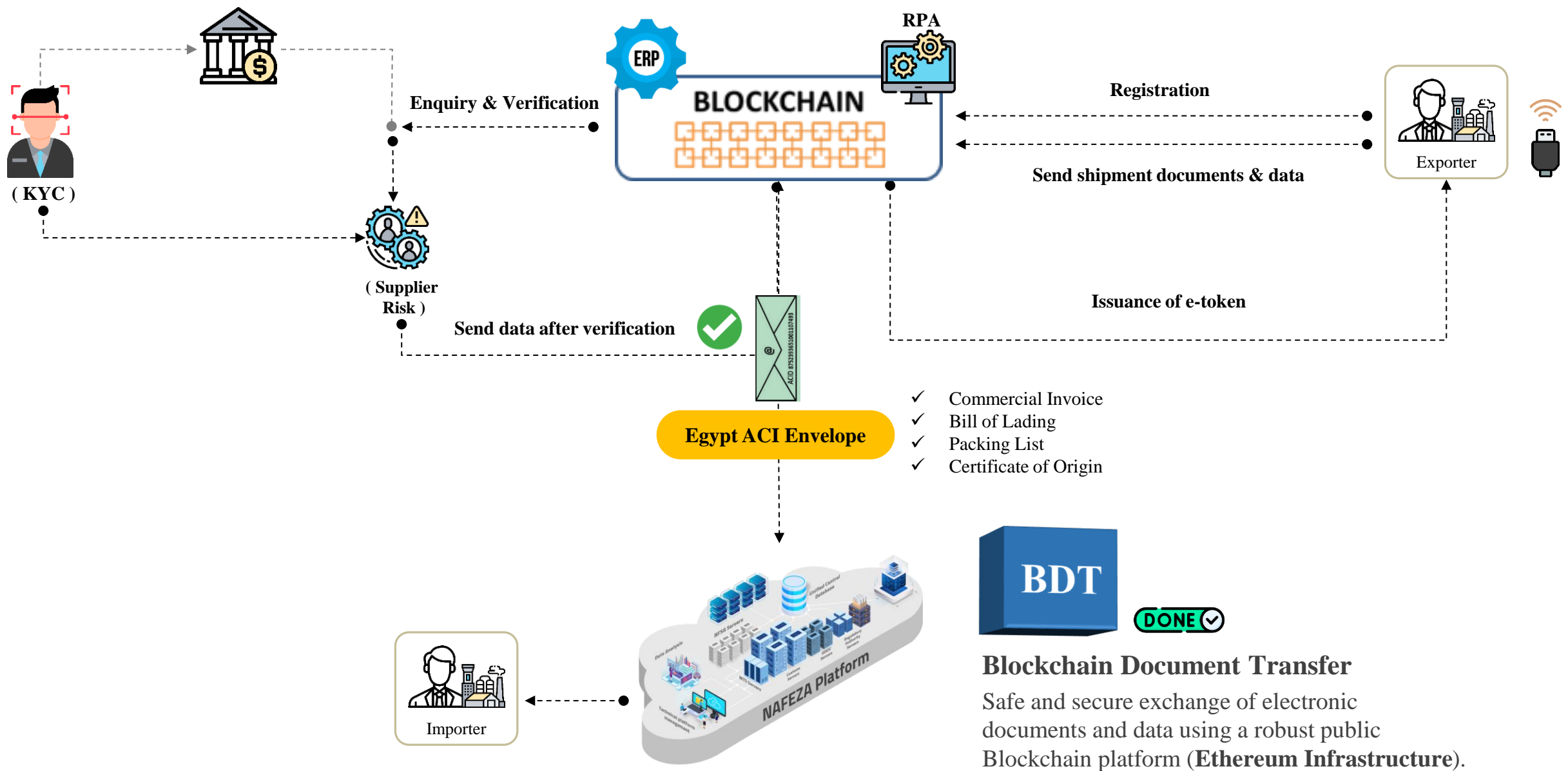
**High Operational
Costs**



- ❑ Advance Cargo Information (ACI) System provides business automation services that process information about imported goods PRIOR to arrival at Egyptian ports;
- ❑ ACI system works as an integral component of NAFEZA System;
- ❑ ACI System aims at:
 - 1) Mitigating potential risks;
 - 2) Governing the importation process;
 - 3) Facilitating cargo clearance procedures



Verification & Authentication Process





86,000 (Verified)
130,000 (Registered)



Foreign Exporters

76



Customs Posts

6,000



**Government Employee
working on NAFEZA Platform**

46,500

Importers/Exporters

404

Shipping Line/Agent

3,600

Customs Brokers



32

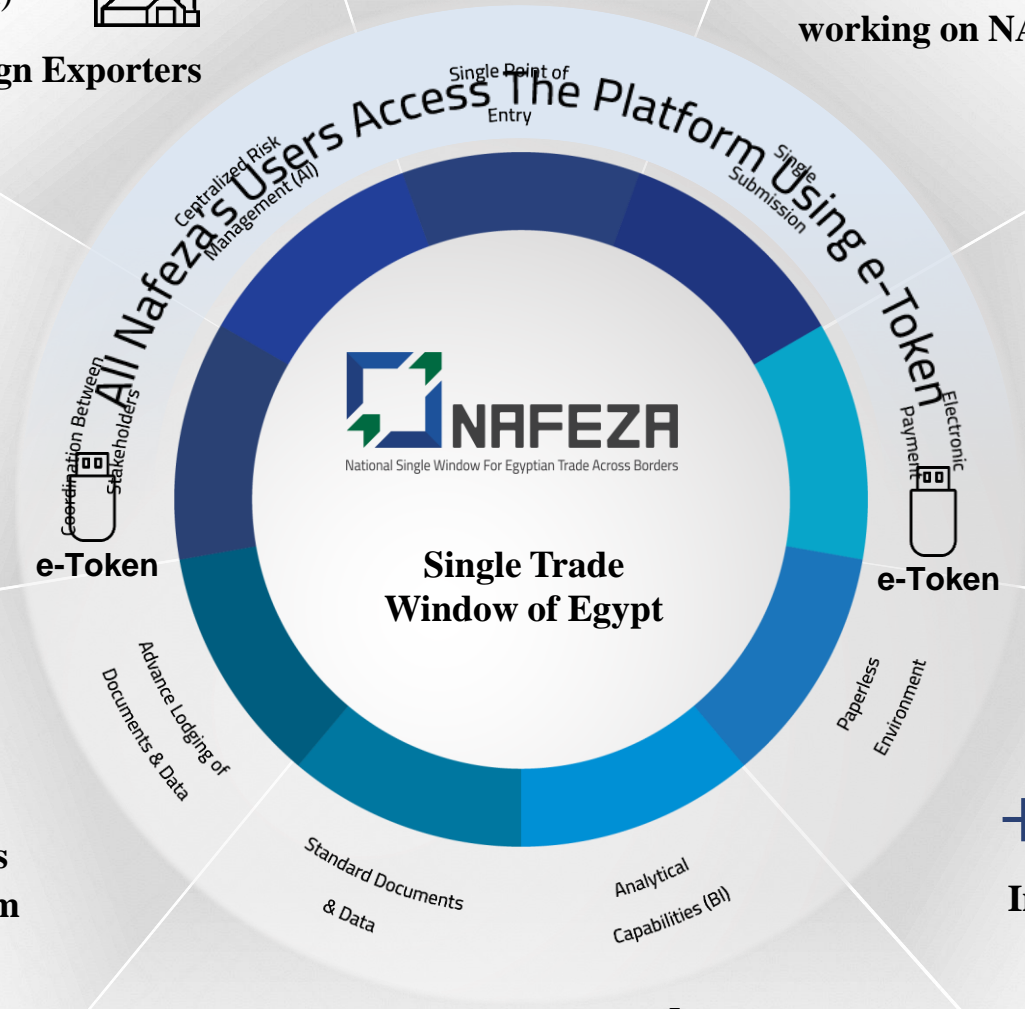


**Governmental Agencies/Authorities
working through NAFEZA platform**

Cargo Clearance Time

**Before NAFEZA & ACI
29 Days**

**After NAFEZA & ACI
9 Days**



1,100 (500)



**MTS Employees Operate
& Manage NAFEZA**

+3,100



Import Declarations/Day

+1,700



Export Declarations/Day



Smart Contracts for Trade Agreements

Utilization of smart contracts to automate and optimize trade agreements, including Letters of Credit and Cash Against Documents processes



Electronic Bills of Lading (e-BL)

Transformation of traditional bills of lading into a digital format, reducing delays and enhancing the security of ownership transfer. Along with downsizing the carbon footprint



Adoption of Blockchain e-BL solution can truly yield favorable economic outcomes for Egypt



Benefits of the e-bill of lading



- 1 **Instant transmission of documents** and reduction of time spent on verification and rectification



- 2 **Significant reduction in time release and costs** by cutting down required documents and administrative procedures saving up to **30% of trade documentation costs**



- 3 **Reduced risk of fraud** and higher protection against forgery via digital authentication technologies



- 4 **Promoting environmental sustainability** by giving up paper-based documentation



What does this mean for the economy of Egypt?

- 1 **Boosting global competitiveness of Egyptian trade** through efficient cross-border processing and the enablement of a higher volume of shipments
- 2 **Less customs' revenue leakage** through improved accuracy and transparency as well as enhanced audit trails that will reduce fraud
- 3 **Safer trade environment** with features like encryption and digital signatures, reducing fraud and document tampering



Thank You

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