Technology in Support of Trade Facilitation in the Digital Age: Showcasing Success Stories

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Simpler trade. Smarter tech. crimsonlogic.com

TOTAL TRADE PLATFORM

Bridging Government and Enterprise systems via one unified platform

G2G	G2B, G2C	B2B

Government sector

Department
Ministries Maritime
Ministry
Agencies Airport
Tax Port
Authorities
Revenue OGAs Other Trade
Aviation
Govt Government
Finance Customs

Business sector

Logistics
Shippers Transporters
Warehouse
Banking
Insurance Finance Traders
Freight SMEs Port Business
Operators
Community
Forwarders Service Providers
Owners Corporations
Vessel
Manufacturers

Harnesses expertise in trade facilitation & digital technologies, for governments and businesses to improve levels of:

CONTROL   **CONNECTIVITY**   **COMPETITIVENESS**

Singapore TradeNet® the **World's 1st Single Window Platform** has evolved into a

TOTAL TRADE PLATFORM!

Bridging Government and Enterprise systems via one unified platform

G2G	G2B, G2C	B2B

CONTROL

CONNECTIVITY

COMPETITIVENESS

Government sector

Business sector

* Customs Authorities *OGAs etc.

➢ Single Document Submission

➢ Fully automated processing rules

➢ 99% declarations auto approved in 1 minute

➢ Over 10million declarations annually

➢ G2G connectivity through ICS

* Logistics Providers

* Transporters

➢ Value Added Service (VAS) community ecosystem

➢ Over 10,000 trade parties

➢ E-Services & APIs in the Trade Exchange benefits business directly

➢ Businesses are connected through Regulatory Filing Services
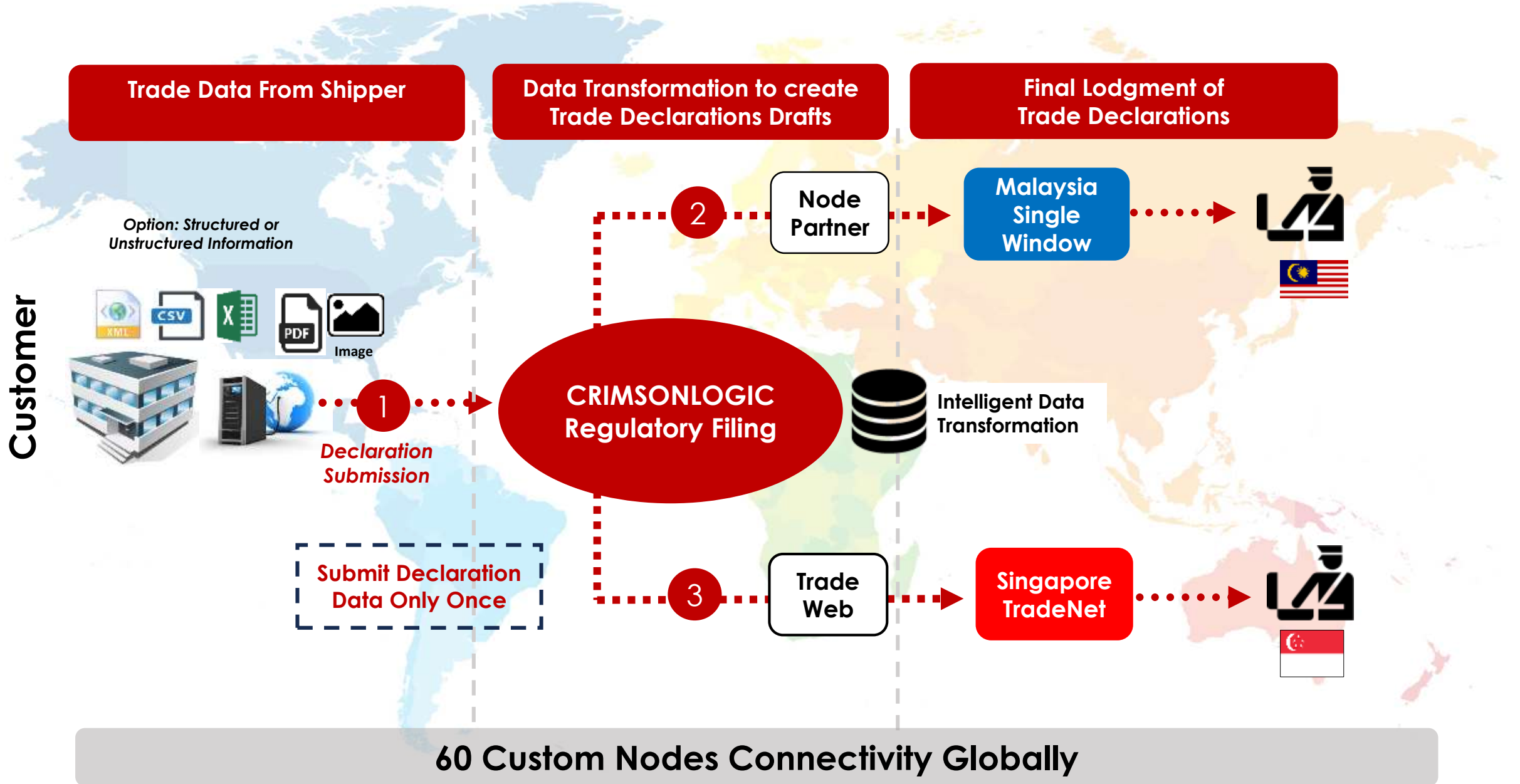
* Freight Forwarders

* Shippers   etc.

➢ Single Filing for Singapore and Malaysia imports/exports

➢ Reduced processing time in under 1min

➢ Over 30,000 documents processed daily

Singapore Malaysia Single Declaration Filing

Trade Data From Shipper

Data Transformation to create Trade Declarations Drafts

Final Lodgment of Trade Declarations

Customer

Option: Structured or Unstructured Information

Image

1

Declaration Submission

CRIMSONLOGIC Regulatory Filing

Intelligent Data Transformation

Submit Declaration Data Only Once

2

Node Partner

Malaysia Single Window

3

Trade Web

Singapore TradeNet

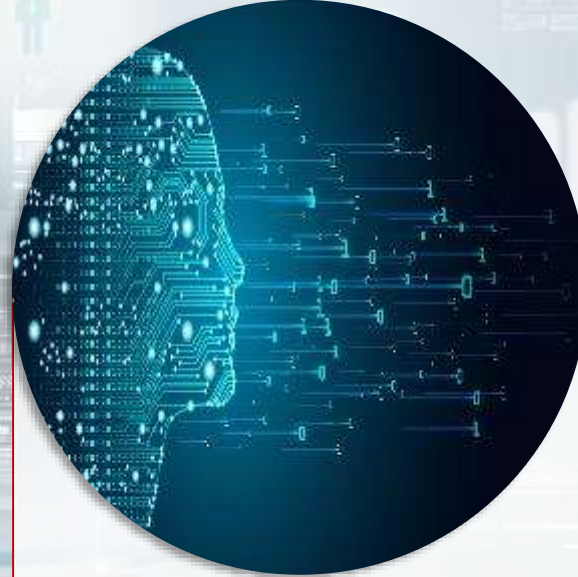**60 Custom Nodes Connectivity Globally**

Single Windows as an enabler to the Total Trade ecosystem…

Provide deeper connectivity to Trading Community

Connectivity to harness data available in the upstream and downstream supply chain & aggregate it

Incorporate enhanced AI capabilities to ease regulatory filing & cargo clearance

Provide G2G connectivity to exchange data

TOTAL TRADE PLATFORM for CROSS BORDER E-COMMERCE (CBEC)

Huge Volume of Data, Multiple Systems, Many Stakeholders

Current challenges

Limited Visibility, High Risks, Low Revenue, Unknown Buyers/Sellers, High Volume

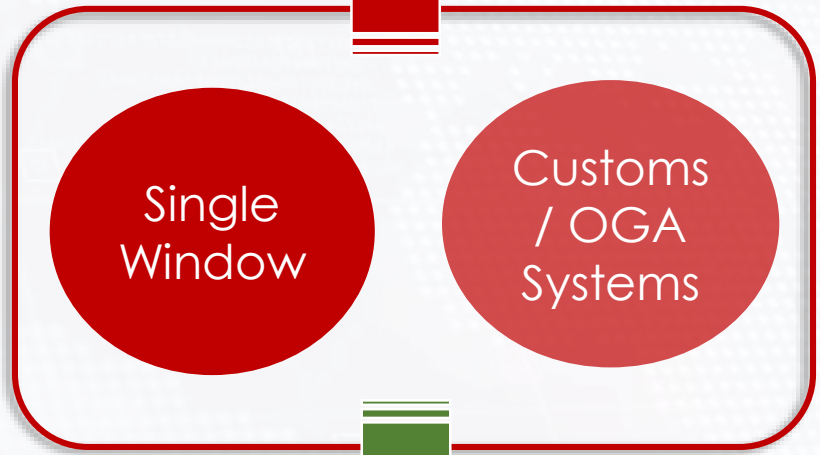**Business sector**

End Customers

Vendors/ E-Commerce Marketplace

Express/Post Operator, Freight Forwarder, Customs Broker

Document Exchange **Gateway**

Single Window

Customs / OGA Systems

Customs

OGAs

Government sector
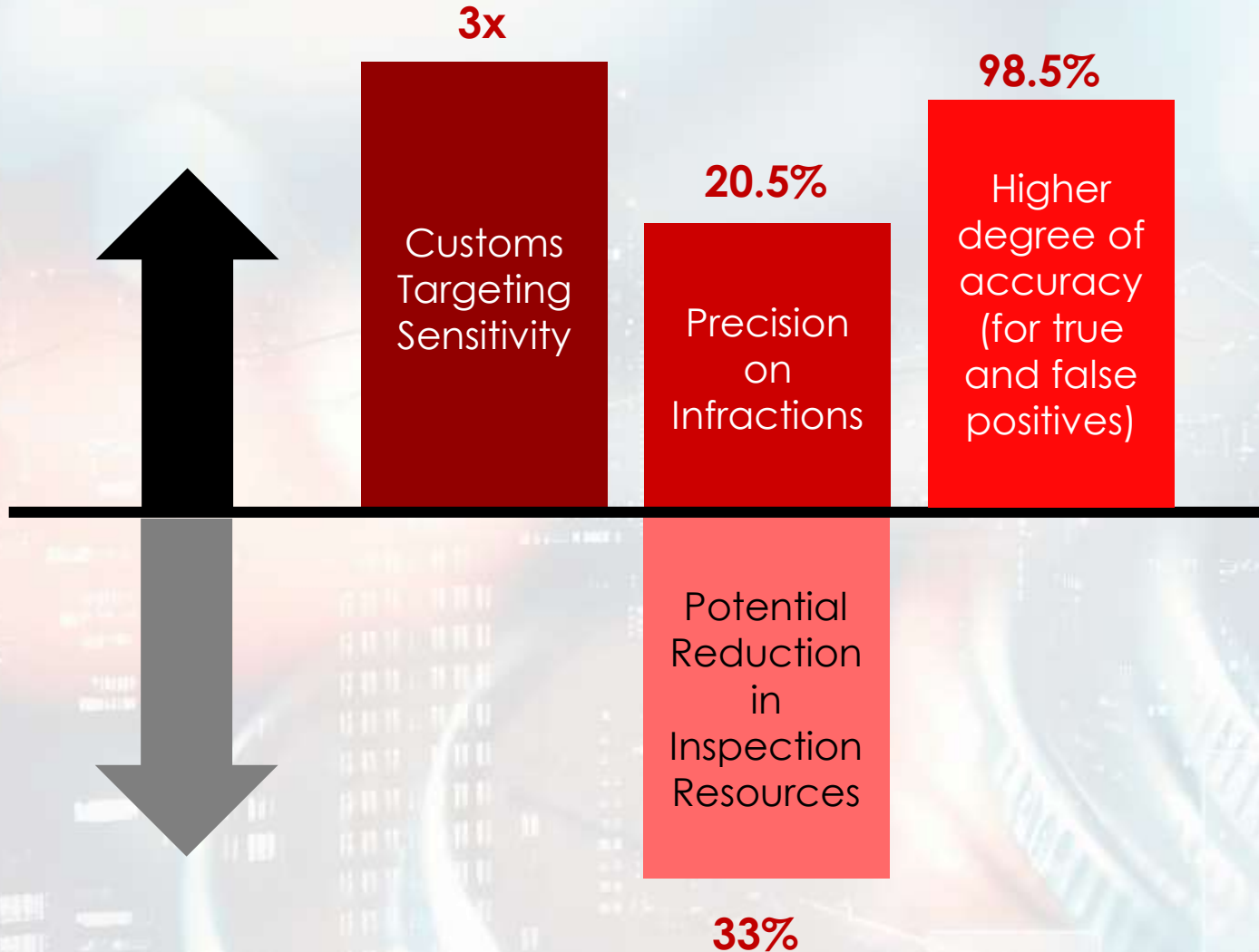
Ease of Compliance (Fully automated)

How challenges can be overcome?

Intelligent Clearance Processing

- Using **OCR, AI/NLP** Automate data submission (DataTX)
- **Gateway** with ability to consume as data formats & transform (any-to-any mapping)

- Using AI/ML to manage risk assessment & minimize human resources (**IRM**)
- Automated valuation & classification using AI/NLP/open-source intelligence (**OSINT**)
- Automate clearance processing for low-risk cargo

Results achieved via an **Integrated Risk Management** module.

3x

98.5%

20.5%

Customs Targeting Sensitivity

Precision on Infractions

Higher degree of accuracy (for true and false positives)

Potential Reduction in Inspection Resources

33%

~ 3x

- As an example, for every 5 infractions, if customs were inspecting 100 declarations daily (5%)
- With Integrated Risk Assessment, for 100 declarations flagged by IRM, there was a total of 15 infractions, i.e. an increase of **3x**

~ 33 %

- Declaration numbers to inspect to achieve same outcome (5 infractions) reduced from 100 to only 33 inspections with IRM

~ 20.5 %

- Precision on infractions i.e. 1 out of 5 declarations flagged out was fraudulent

WHAT DOES THE FUTURE HOLD?

Single Windows to enable deeper engagement and connectivity between Govt & Business

Greater efficiency and decision-making by leveraging on technology like Artificial Intelligence, NLP & Generative AI.

A community driven Competitive, Resilient, and Sustainable Trade Facilitation.

THANK YOU

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