# Digital Transformation Strategies and Technology Tools supporting Global Trade


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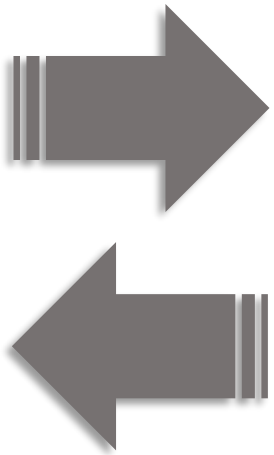
# TOTAL TRADE PLATFORM

**Bridging Government and Enterprise systems via one unified platform**

**B2B** | **G2G** | **G2B, G2C**

Government sector



Business sector

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**

Government 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

Business sector

# 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*

1 *Declaration Submission*

**CRIMSONLOGIC Regulatory Filing**

Intelligent Data Transformation

2 **Node Partner** → **Malaysia Single Window**

3 **Trade Web** → **Singapore TradeNet**

**Submit Declaration Data Only Once**

**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

Business sector

Huge Volume of Data, Multiple Systems, Many Stakeholders

End Customers

Vendors/ E-Commerce Marketplace

Express/Post Operator, Freight Forwarder, Customs Broker

Document Exchange **Gatewav**

## Current challenges

Single Window

Customs / OGA Systems

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

Customs

OGAs

Government sector

## How to overcome the challenges?

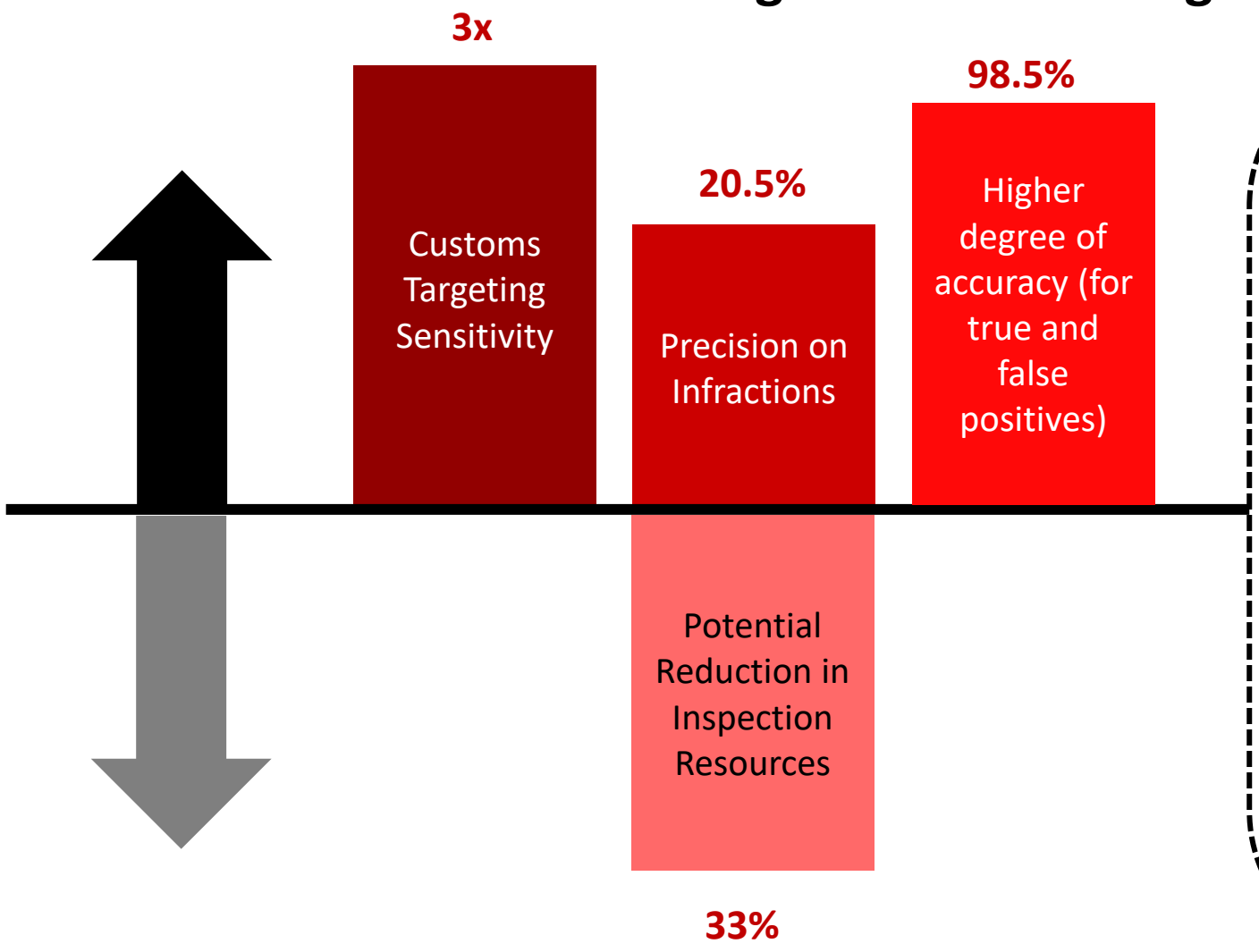
### Ease of Compliance (Fully automated)

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

### Intelligent Clearance Processing

- 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

- 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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