Digital Solutions for Single Window Systems/Trade Facilitation Platforms

Submitted by: Global eTrade Services
Digital solutions for Single Window systems/trade facilitation platforms

Feb 2021
Who we are....

>>> Over 30 years experience in trade and digital government

- Started in 1988
- 19 Economies with offices
- 27 Economies represented in our workforce
- 900 Employees
- Implemented close to 60 Projects worldwide
- Global operator with over 60 deep sea, rail and inland terminals in 26 economies

Shareholders

PSA
The World’s Port of Call

Enterprise
Singapore
Government agency championing enterprise development.

CrimsonLogic
Solutions. Simplified.

>30 years experience in Trade and Digital Government

GeTS
Global Trade Platform Company that makes cross border trade easy for businesses
Global trade facilitation solutions provider

**Government-Centric Services**
- Trade Facilitation
- Enforcement & Supervision

**Business-Centric Services**
- Manage Trade Data & Fulfil Compliance requirements
- Global supply chain orchestration

- Customs Management Services
- Single Window
- Free Trade Zone Solutions
- Port Community Systems
- Trade Visualization

- Logistics
- Compliance
- Finance
- Services
Broad experience and deep expertise

30+ Years of trade facilitation experience

40+ Trade Facilitation Projects

20+ Economies

61 Connected Economy Customs Nodes

World’s 1st Single Electronic Window

Harvard Case Study

GeTS
What is Trade Facilitation?
Trade facilitation spans 5 key areas

1. **Legal**
   - Regulatory reforms for transparent legal framework

2. **Technology**
   - Infra for electronic processing of trade documents & data (e.g. Single Window, CMS, FTZ systems)

3. **Organization**
   - Institutional development (e.g. Trade facilitation agency set up)

4. **Processes**
   - Simplification of business processes & procedures

5. **People**
   - Capacity building of implementing staff & trade ecosystem players

Source: UNECE
Single Windows are a manifestation of trade facilitation

Example of World’s First Single Window- Singapore TradeNet (built by CL in 1989)

<table>
<thead>
<tr>
<th>Metric</th>
<th>Before TradeNet</th>
<th>After TradeNet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processing time per permit</td>
<td>2-7 days</td>
<td>&lt; 10 mins*</td>
</tr>
<tr>
<td>Fees Charged per permit</td>
<td>S$10-20</td>
<td>S$2.88</td>
</tr>
<tr>
<td>No. of Documents</td>
<td>3-35</td>
<td>1 eform/ eDoc</td>
</tr>
</tbody>
</table>

* Note: 99% of TradeNet declarations processed within 10 mins
SW capabilities vary across the globe

1. Centralized Submissions
   - One point access to submit documents for approvals
   - Examples: e.g. Rwanda, Jamaica

2. Expanded Functionalities
   - Additional features (e.g. rules based engines)
   - Examples: e.g. Saudi Arabia

3. Rich Ecosystem
   - Spanning broader ecosystem beyond just G2B interactions
   - Examples: Singapore, Korea
We see business and government interests converging

Business

- Covid-19 Reshapes Supply Chain
- Rising eCommerce
- Efficiency: Elevating entire trade ecosystem
- Security: Balancing risk & regulatory burden
- Connectivity: Resilience to changes

Government

- Trade War Risks
- Covid-19 Reshapes Supply Chain
- Rising eCommerce
- Accelerated Digitalization

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Cutting edge technologies are driving massive improvements

OCR
Technology that recognizes text within a digital image. Commonly used to read in text from scanned documents and images.

Machine Learning
Computer algorithms that provide systems the ability to automatically learn and improve from experience, without being explicitly programmed.

Natural Language Processing
AI that can read / hear and understand human language and use this for productive applications.

RPA
Configured computer software, or “robots” to emulate the actions of a human interacting within digital systems to execute a business process.

Blockchain
Digital ledger of transactions that is duplicated and distributed across the entire network of computer systems on the blockchain. Key properties of being immutable, secure and shared.
Public-Pvt interest convergence & Technological Disruption driving need for a total trade platform

**Public-Pvt Interest Convergence**

Addresses needs of both government & businesses

**Technological Disruption**

Provides detailed functionalities with latest tech, for effective trade operations

**Total Trade Platform Characteristics**

**Balanced**

Seamless connectivity between various G2G, G2B & B2B systems
Total trade digital platform can elevate entire trade ecosystem

1. Ascertain tariff and procedure
   - Finding correct HS code
   - Rejections/delays from inaccurate submissions
   - Lacking knowledge on applicable FTAs
   - Manual processes for engaging LSPs/Carriers
   - Poor enroute cargo visibility
   - Wasted effort for rekeying data in filings
   - Limited/no upstream data visibility for authorities
   - Limited options for SME working capital
   - High fees for cross-border payment
   - Time spent in shopping for insurance services

2. Manage Freight
   - HS codes database
   - AI/ML enabled advisory on HS codes, trade docs & FTAs
   - Chatbot for non-tech savvy users
   - Network of connected LSPs & Carriers
   - Digital booking of logistics services
   - End to end track and trace capability
   - Electronic submissions via a single portal
   - Cross border customs node connectivity
   - Data sharing from origin side as well

3. Fulfill Compliance Requirements
   - Business facilitation
   - Logistics facilitation
   - Compliance facilitation
   - Financial facilitation

4. Access financing/remit funds overseas
   - Connectivity to banks/FIs for SME loans
   - AI-enabled credit engine for fast turnaround
   - Insurance providers marketplace

Business Facilitation
- HS codes database
- AI/ML enabled advisory on HS codes, trade docs & FTAs
- Chatbot for non-tech savvy users

Logistics Facilitation
- Network of connected LSPs & Carriers
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Compliance Facilitation
- Business facilitation
- Logistics facilitation
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Financial Facilitation
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