


# CrimsonLogic TradeNet & eCustoms System



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*"The Customs Officer's Cabin"*  
-Claude Monet



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# In the Beginning

## B-G Lee on the transfer of info

THE computerisation of the civil service was part of the national Information Technology (IT) plan, made public by the Acting Trade and Industry Minister, Brigadier-General (Res) Lee Hsien Loong yesterday.

While the original aim of the programme, begun more than five years ago, is to make the civil service more efficient, its role under the plan is to transfer public sector experience in computerisation to the industry.

The minister said, as a first step, more projects under the next five years of the civil service computerisation programme, would be given to private sector.

Ways are now being worked out on how to pass on information systems and technical experience acquired during the initial years of the civil service computerisation to industry.

There are also plans to open up government databases like economic indicators, land use and business information to the public.

The NCI has 300 computer professionals supporting 17 government ministries and agencies which have computerised their operations. This includes the education and finance ministries and the Corrupt Practices Investigation Bureau, Auditing-General's Office and Public Service Commission.

The minister also said in his opening speech at the Singapore Informatics '86 fair at the World Trade Centre that an electronic link-up of all trading houses and government agencies like Customs, airport and the Port of Singapore Authority could happen in about two years' time.

Called TradeNet, this trading information system would allow for exchange of information and faster clearing of trading documents, thereby enhancing the international competitiveness of Singapore firms, he said.

## The Straits Times 3 December 1986

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SINGAPORE  
AIRPORT

# TradeNet wins top American award

SINGAPORE'S TradeNet, the electronic data interchange network, has won an international award from a leading society for information technology in the United States.

The Society of Information Management (SIM) presented its prestigious "Partners for Leadership" award to the Trade Development Board and National Computer Board for their joint efforts in developing the TradeNet system to enhance the Republic's productivity and international competitiveness.

The other award winner this year is K-Mart Corporation of the US, where two of its senior executives were honoured for creating the company's retail automation program.

The Chairman of SIM's leadership award selection committee, Mr Tom Morin, said: "Singapore is committing a tre-

mendous amount manpower to impetive position in tional trading are saves the countr dollars and incre ciency and capa cessing trade orde

"This serves as example of an or ing information gain worldwide vantage," he add

The TDB's Ch Officer, Mr Yeo S the NCB's Divisi (IT Application), Hwa, received th the SIM Preside Hammitt, at SIM ference in Atlanta

Mr Yeo said award was an ach was the first tim given to an ove ship project.

THE STRAITS TIMES, FRIDAY, APRIL 22, 1988

## Computerised network can save up to \$1b in paperwork

System will speed up trade documentation and cargo clearance

By SIVAM SUBRAMANIAM

THE trading community here can save about \$1 billion in paperwork annually when a computerised network for trade documentation, called TradeNet, becomes fully operational by mid-1990.

Singapore is the first country in the world to have such an integrated network. It will enable traders, cargo agents, shipping agents, freight forwarders and government agencies to interchange trade documents and obtain common information.

Sixteen months after Trade and Industry Minister Brigadier-General (Ret) Lee Hsien Loong launched the idea, the Government yesterday announced the formation of a company to implement and market TradeNet services.

Faster cargo clearance  
TradeNet's objective is to speed up air and sea cargo clearance and reduce paperwork-related costs in international trade, said Mr Yeo Seng Teck, the chairman of the new company, Singapore Network Services (SNS).

At a joint press conference organised by the Trade Development Board and the National Computer Board, Mr Yeo, who is also TDB chief executive, said superwork here, even on a very conservative estimate, can account for per cent of the value of goods shipped.

However, as it is more efficient, Singapore imposes less paperwork on traders, said Mr Yeo. But even if the paperwork here accounts for only 1 per cent of the Republic's trade, the savings is still phenomenal as total trade last year amounted to \$10 billion.

On the SNS, Mr Yeo said TDB has a 55 per cent share of the company which has a paid-up capital of \$5.5 million.

Opportunities for computer firms

The other shareholders are the Port of Singapore Authority, Telecoms and the Civil Aviation Authority of Singapore, which own 15 per cent each.

He said it will be run on a commercial basis. Users will be charged a commercial rate, to be fixed later.

Mrs Pearly Chan, the general manager of SNS, said the contract for the technical design of the system has been awarded to IBM under an open tender. However, the contract for software development and system implementation has not been awarded yet.

This will open up numerous business opportunities for the computer companies here, said Mr Lim Sze Say, general manager of NCB.

TradeNet will be implemented in stages, Mr Yeo said. By the end of this year, its first stage, the trading community will be able to electronically deal with TDB to clear all the necessary trade documents handled by the board.

By the first half of next year - the second stage - all the 10 government bod-

ies involved with trade, including PSA, CAAS and the Customs Department, will also be accessible to the traders via the system.

There are future plans to link the system to banks to facilitate trade financing as well.

Ultimately, TradeNet will be connected to similar trading networks overseas to allow the Republic's traders to interchange

trade documents with their counterparts elsewhere and to strike trade deals electronically, said Mr Yeo.

The computer language of TradeNet has been designed to be compatible with international standards, he added.

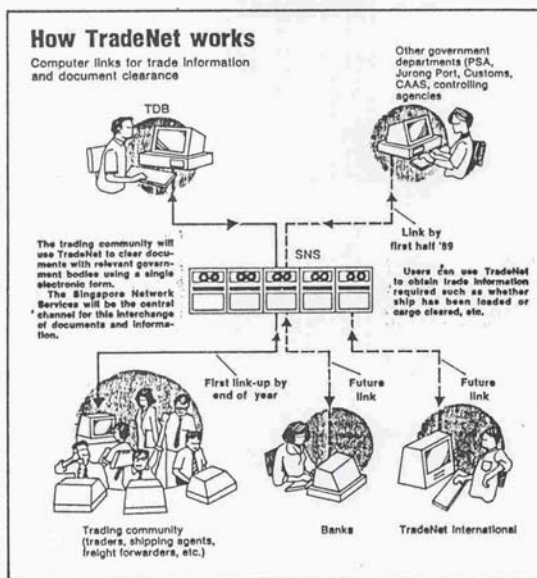
All a company needs to use it is a personal computer, he said.

TradeNet has more than 120 users

IN JUST less than four months, TradeNet has won more than 120 subscribers. They made more than 150,000 trade declarations through the new electronic network linking companies to the Trade Development Board.

And with the kudos it has won

TradeNet is the faster turnaround for document processing. Currently each document sent to be processed within 15 to 30 minutes. Under the manual system, permit is processed within the . This time advantage is especially critical for cargo agents, service companies and freight forwarders who need to test



THE STRAITS TIMES, MONDAY, OCTOBER 2, 1988



## CrimsonLogic Services



## eServices Components



## Platforms & Technology



## International Standards



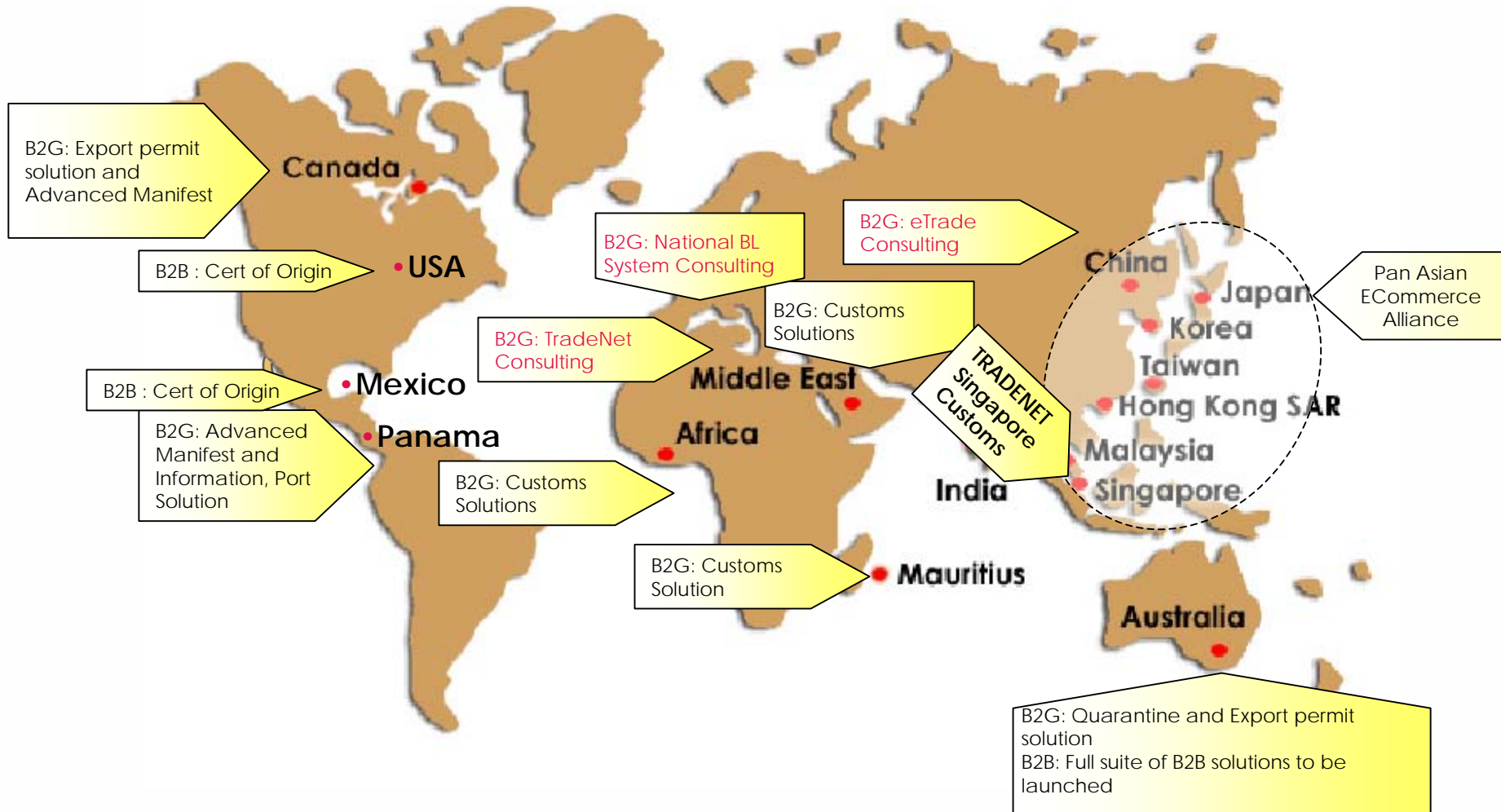


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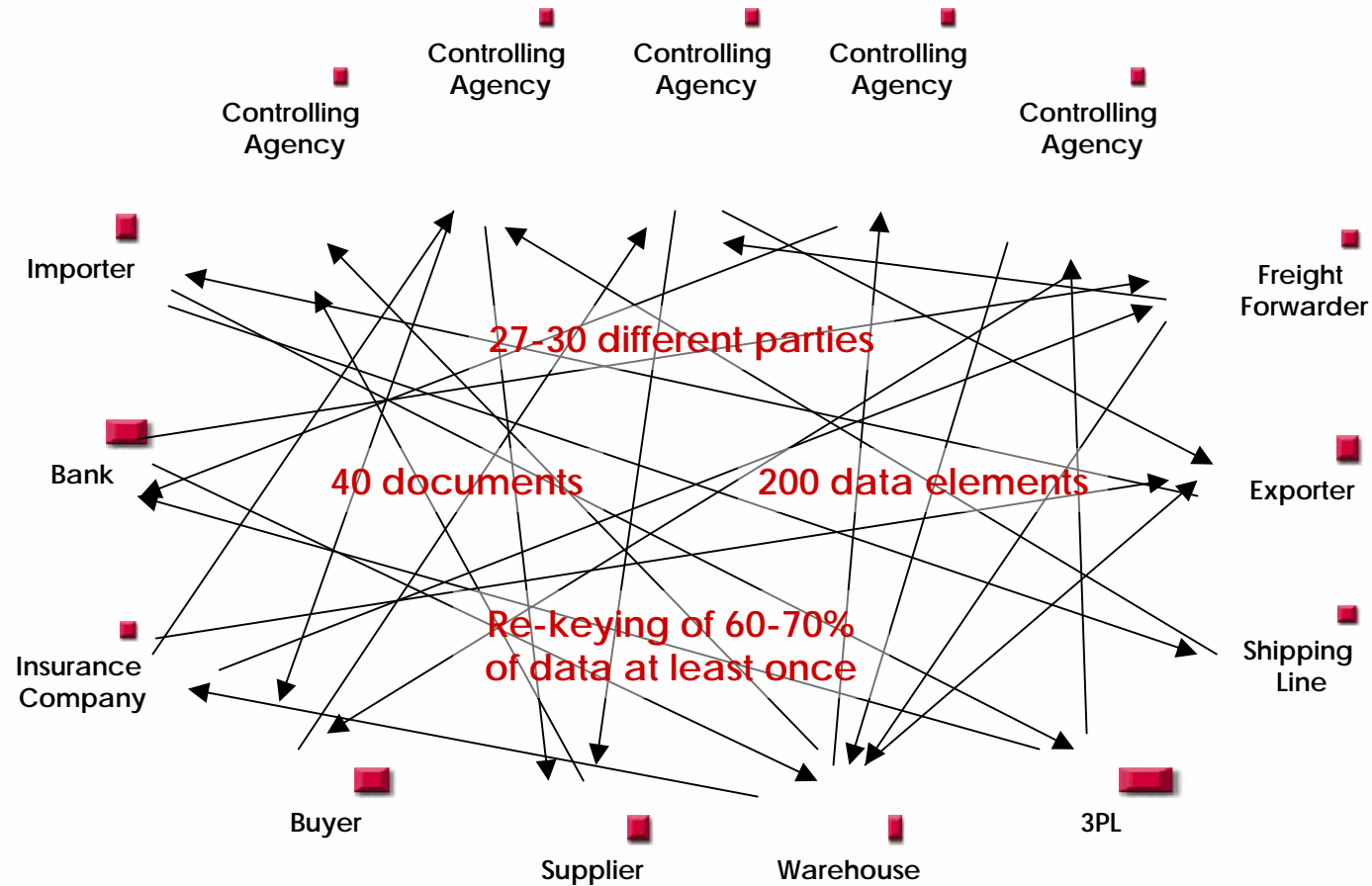
# Customs and Trade Projects

## DEPLOYMENT OF WORLD CLASS TRADE SOLUTIONS

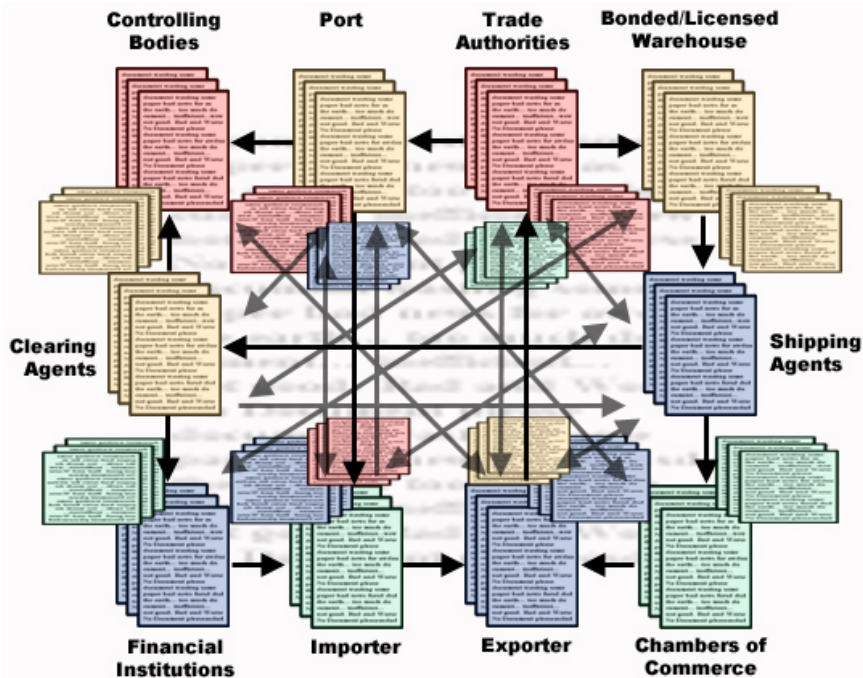


# About TradeNet

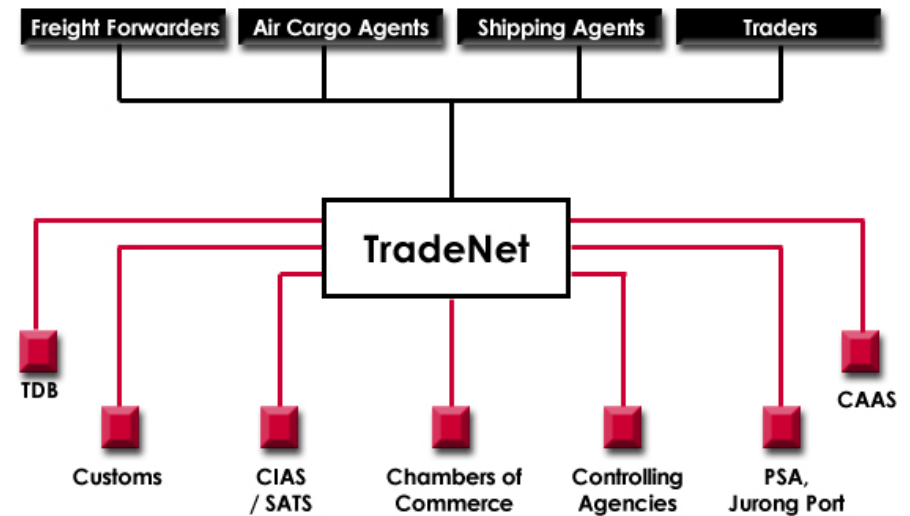
## Inefficient Trade Procedures



## Before TradeNet



## After TradeNet







- Single window for customs administration and trade facilitation
- Balanced regulatory and facilitation functions backed by security technologies
- Cross-border eTrade facilitation
- Scalable
- Internationalisation



1989  
1st Implementation



1994  
Enhancement: GST



1999  
Enhancement:  
Y2k Compliance  
&  
Version Upgrade



2000  
Planning for right-  
sizing



2002  
Right-sizing

# Benefits & Achievements



- Improved customer service
- Ease of use
- Increased efficiency and productivity
- Maintainability
- Easy deployment
- Cost-effectiveness
- Ease of integration and connectivity
- Scalability



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Right-sizing

## TradeNet today:

- Serves more than 2,500 companies with 8,000 users
- Processes approx. 8 million permit applications per year
- More than 97% of the total applications are auto-processed
- Covers 34 controlling units' processing
- Caters more than 6,000 validation and processing rules



1989  
1st Implementation



1994  
Enhancement: GST



1999  
Enhancement:  
Y2k Compliance  
&  
Version Upgrade



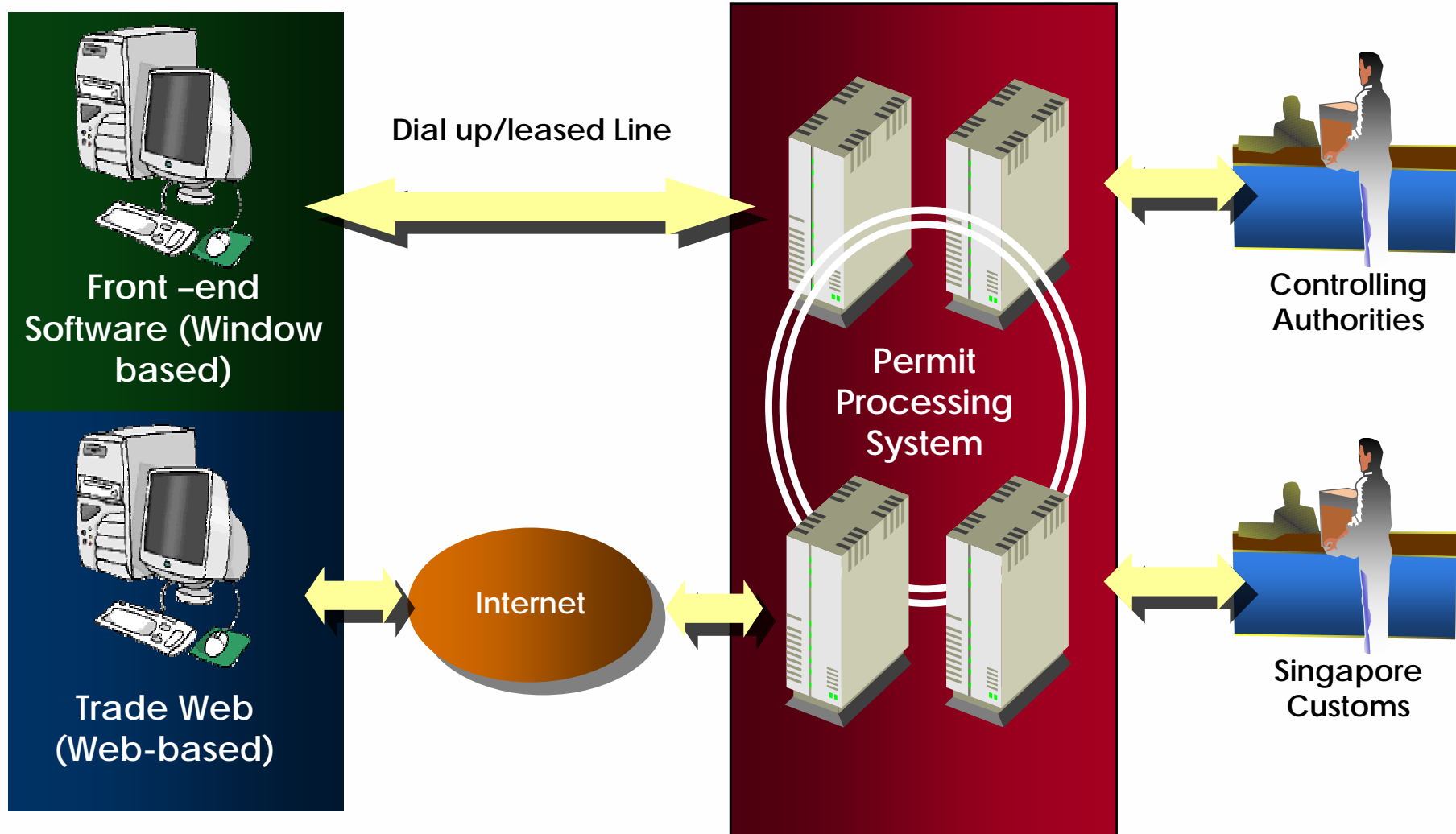
2000  
Planning for right-  
sizing



2002  
Right-sizing



# The TradeNet System (Right Sized to Unix in 2001)





## TradeNet

TradeNet - World's First Nationwide Electronic Data Interchange System

- Harvard Business School, 1993 and 1995

"It is estimated that TradeNet saves Singapore traders around US\$1 billion per year."

-Robert M Howe, IBM

"...Fill in one online form and receive the import or export license 15 seconds later ..."

- McKinsey Quarterly 2001 No.2

"...received the Top eAsia award under the Trade Facilitation Category"

- 2003 Sep

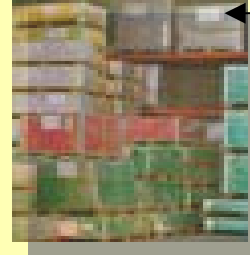
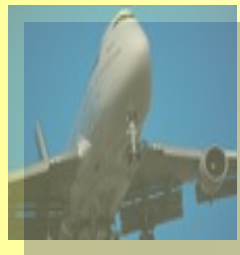
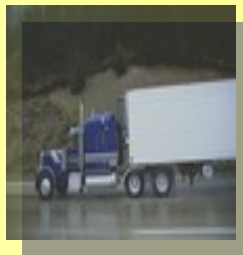
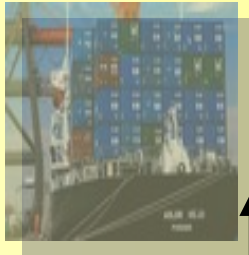
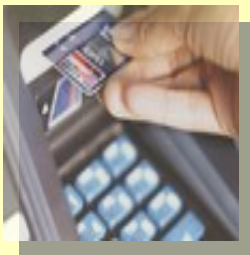
# Single Electronic Window



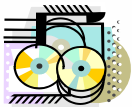


## Collaborative Trade

Stakeholders on the entire Trade & Logistics Supply Chain



Manufacturer /  
Exporter



Electronically  
archived



S.E.W.

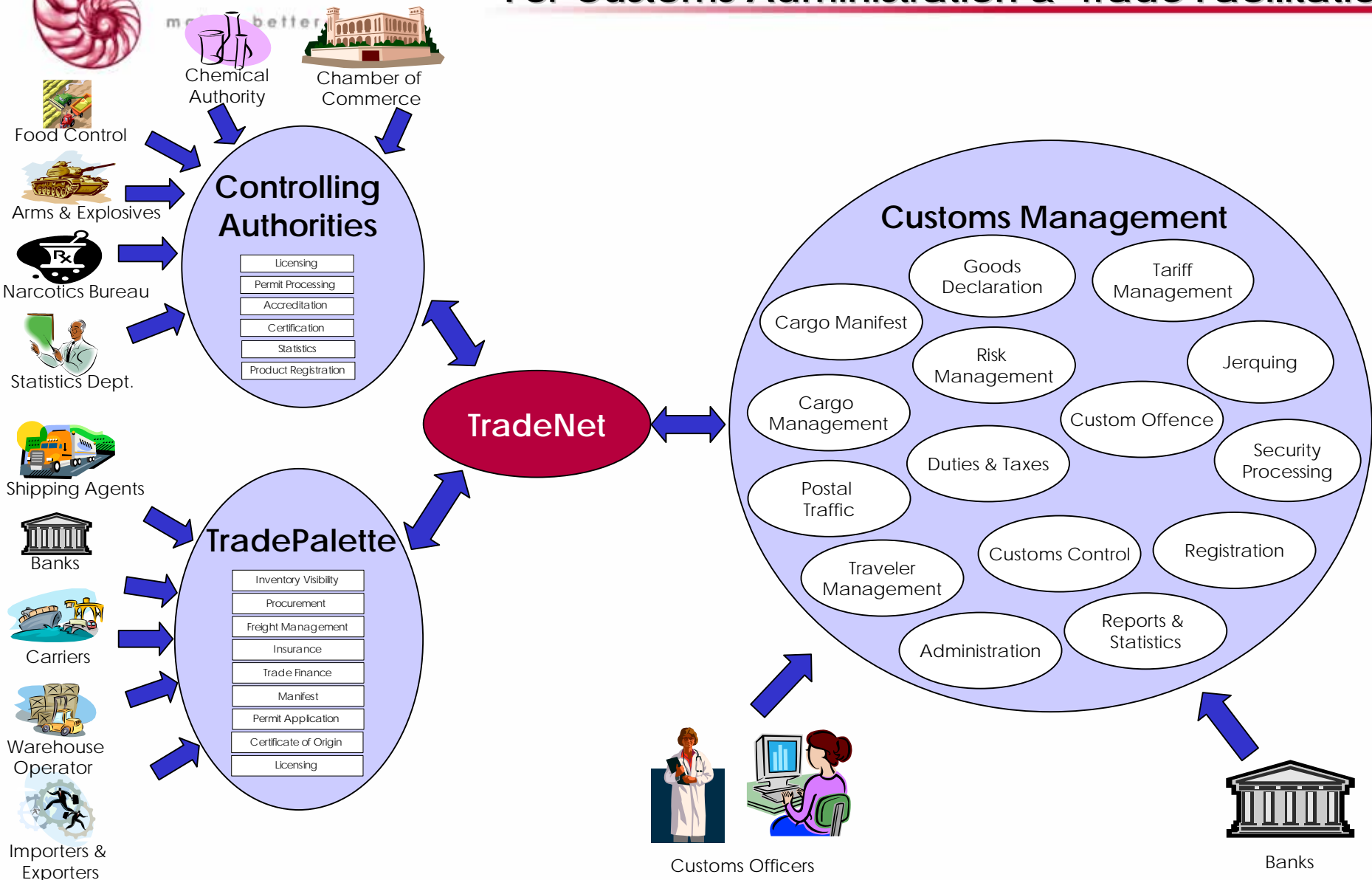


Importer

Controlling Agencies/ Customs



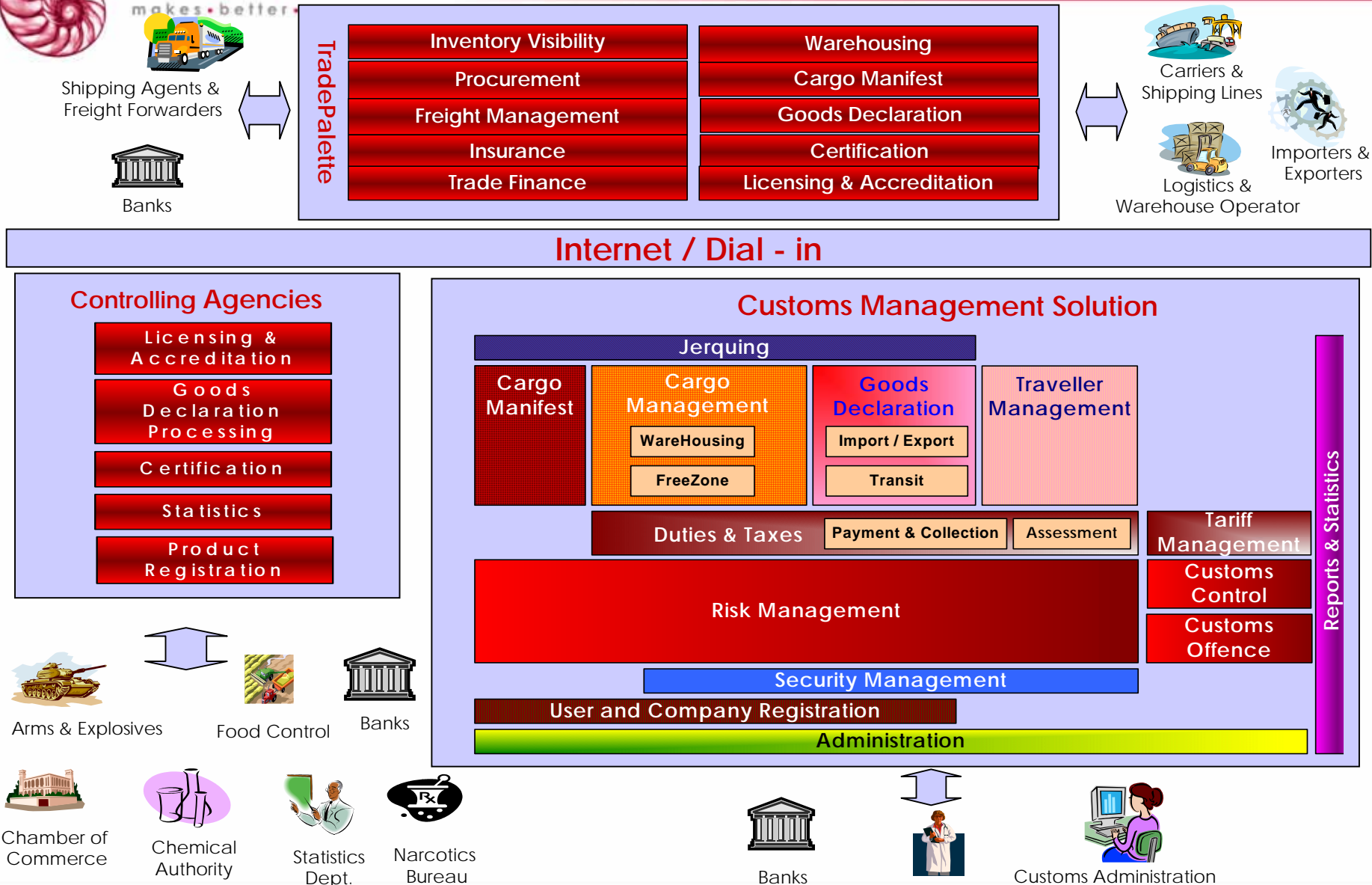
# Single Window For Customs Administration & Trade Facilitation

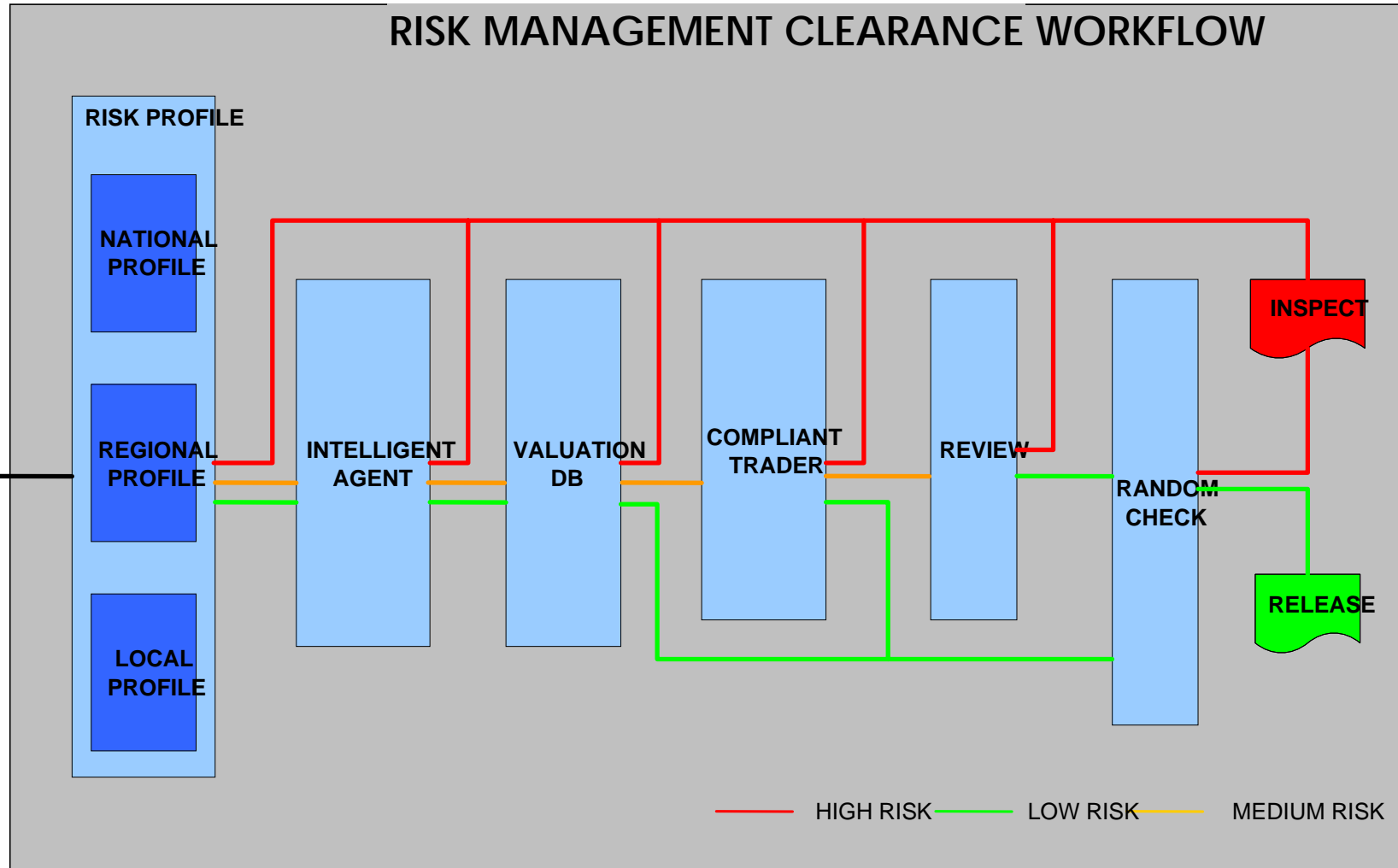


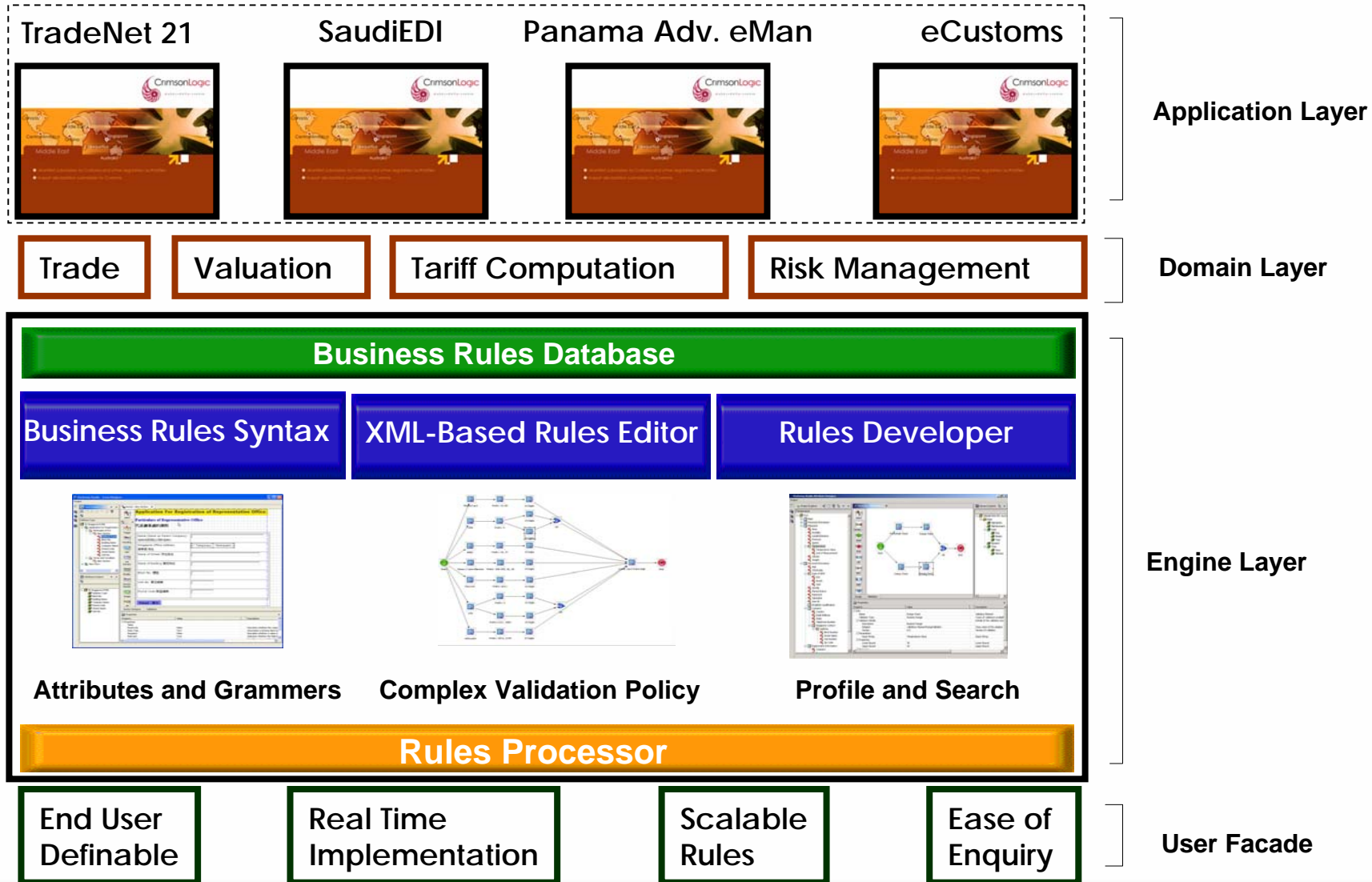
# Customs Core Application System



## CrimsonLogic Customs System Overview









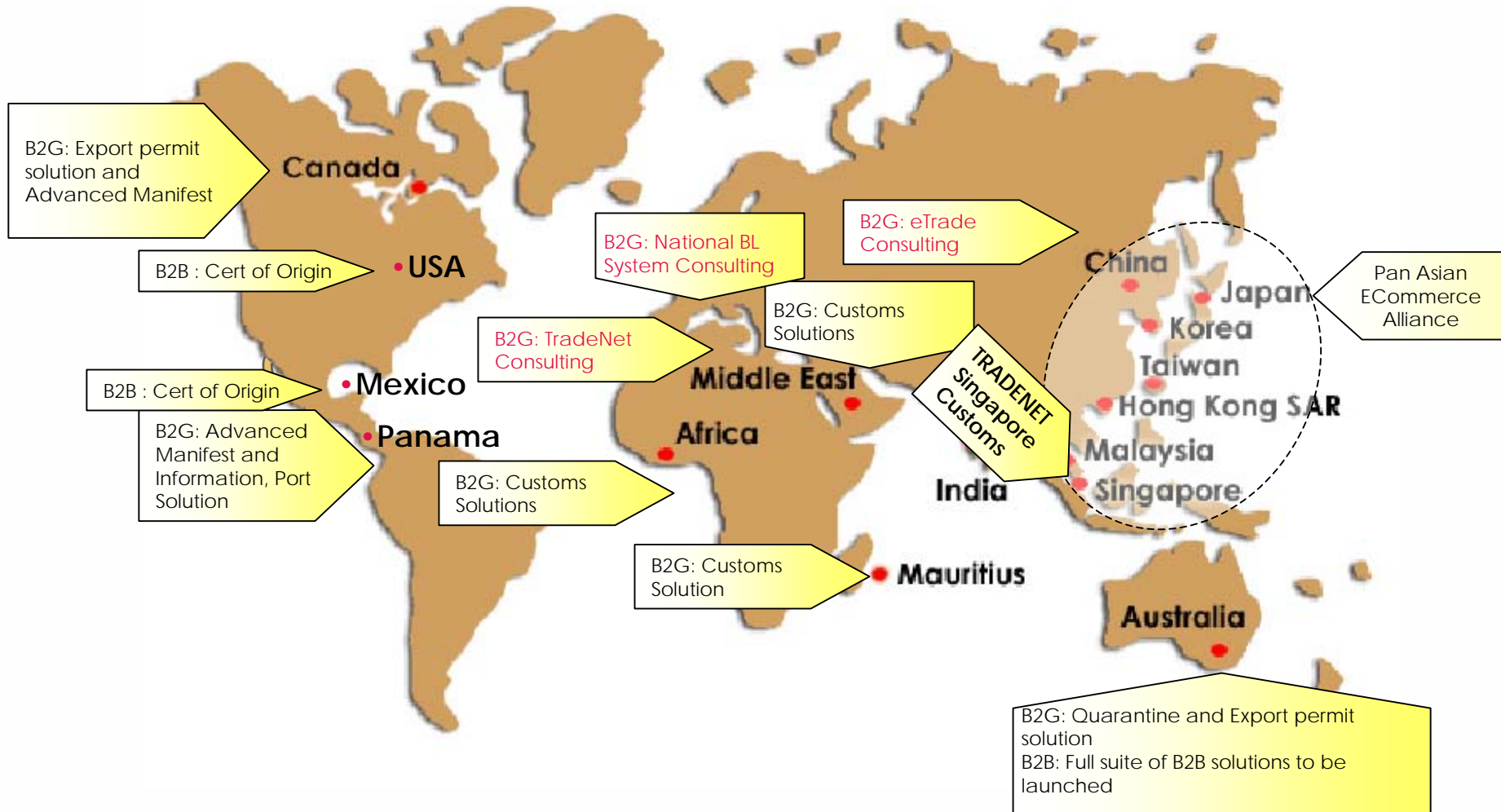


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# Customs and Trade Projects

## DEPLOYMENT OF WORLD CLASS TRADE SOLUTIONS





## Thank You