

Border Crossing Facility Management and Customs Transit System

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Thai Customs Department

Presented by

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#### 

"An excellent Customs service to achieve sustainable development of Thailand economy and global trade connectivity"



- 1. Facilitate trade and promote national logistics system
- 2. Promote national economy by Customs-related measures and international trade information
- 3. Protect and secure society based on Customs control system
- 4. Collect revenue in a fair, transparent and efficient manner

## World Trade

Facilitate ----



**Customs Control** 

Intelligence
Profiling
Targeting

Solution

Information Technology

Non Intrusive Instrument

**High Risk Inspection** 

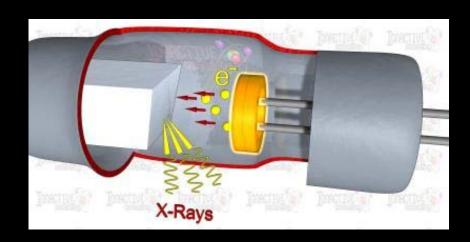
#### **Background history**

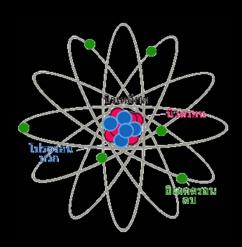
United States has requested cooperation from friendly countries to set up the second line of defense after the terrorist incident 911

July 22, 2003 The Cabinet approved the first X-Ray Container Inspection System Project of Thai Customs

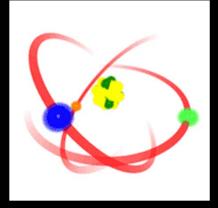








Electric power is the source of X-Ray

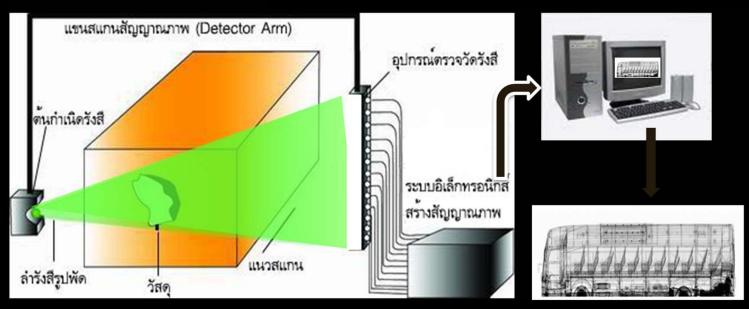








Techniques to create the image of the X-Ray system.







#### The Fix Type

Lame Chabang Port Customs Bureau

X-Ray Station 1 (Export) 2 Sets

X-Ray Station 2 (Import) 2 Sets



The Big Tunnel, get clear Images and the speed of scanning is 30 Containers per hour.





#### The Relocatable Type

Installed 2 Sets @ Bangkok Port and ICD Lad Krabang.

Installed 1 set @ Maesai Customs

House, Mukdahan Customs House,

Nongkhai Customs House, Sadao

Customs House, Padang Besa

Customs House and Pranburi Check

Point

#### Total = 10 Sets

Medium size, It is able to relocate after first installation and the speed of scanning is 25 Containers per hour







#### The Mobile Type

Install 2 Sets @ Chiangkhong Customs

House

#### Install 1 Set @ Customs House:

Nakorn Panom, Thali, Bueng Kan,

Mukdahan, Chongmek, Khongyai,

Maesod, Chumporn, Songkhla and

Sungai Ko-Lok

Total = 12 Sets

Small Size, It is Movable, Clear Color Picture and the speed of scanning is 20 Containers per hour.





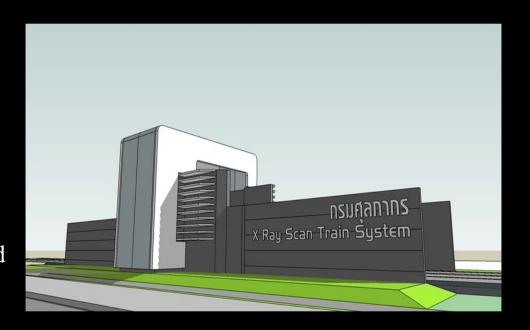


#### The Train Type

Installed 1 set on the Railway @

Lam Chabang Port Customs Bureau

It can scan the train while running through the X-Ray tunnel at the speed between 8 – 30 Kilometer per hour.



It is the biggest size of all types, clear color picture and it can send the X-Ray images from Lam Chabang to ICD Lad Krabang before the train arrives the ICD.





#### 3. The agencies responsible for the X-Ray System

The Customs Control Technology Center: CCTC



- Policy Making
- Set up the KPI(Key Performance Indicator)
- Monitoring
- Set up Training program
- Set up new projects
- Maintenance / OutsourcePolicy
- Network Manager

Customs Bureau, Customs House



- X-Ray System Operator
- Follow the KPI and report
- Inspect and Release Cargo
- On the Job Training
- Training Platform Operator

## The use of X –ray System to inspect cargo containers

- 1 Release Without Inspection
- 2 Physical Inspection
- 3 Scanned by X-Ray Machine









#### Set up profile for X-Ray Inspection

Information

Screening

Analysis

Risk

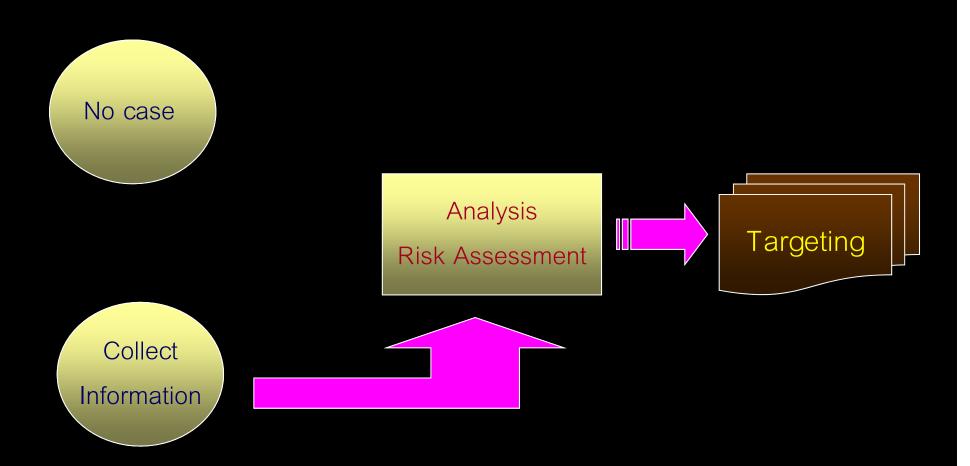
Assessment

Inspect

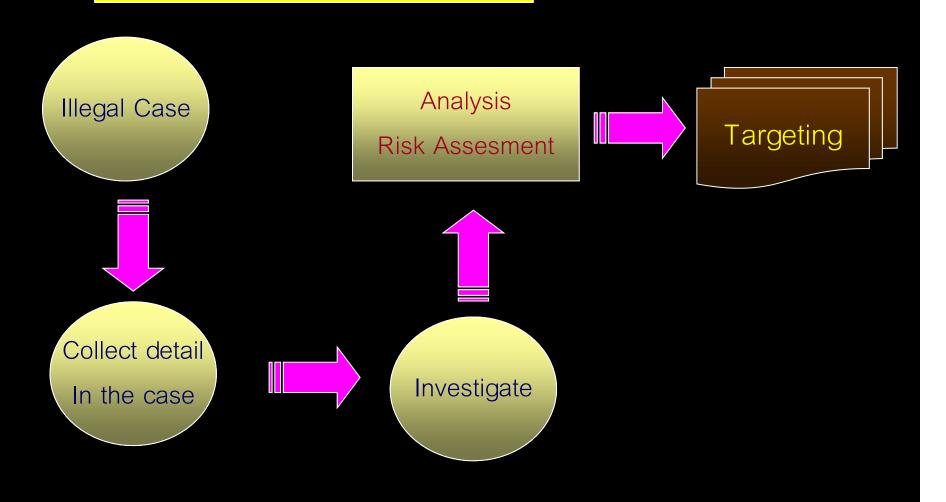
High Risk

Cargo

#### Pre-Analysis

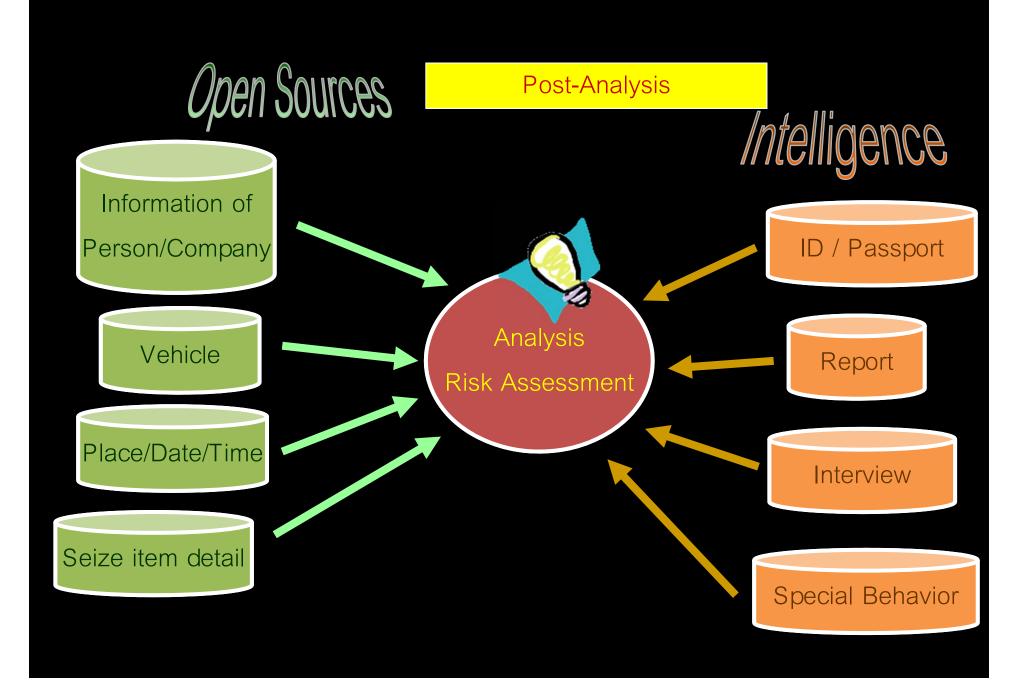


#### Post Analysis



#### Pre-Analysis





#### **EXAMPLE OF ILLEGAL CASE INSPECTED BY X-RAY**

Remark:

1 - cd







#### **EXAMPLE OF ILLEGAL CASE INSPECTED BY X-RAY**

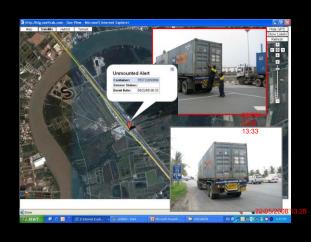






#### Integration between X-Ray & OthersTechnologies



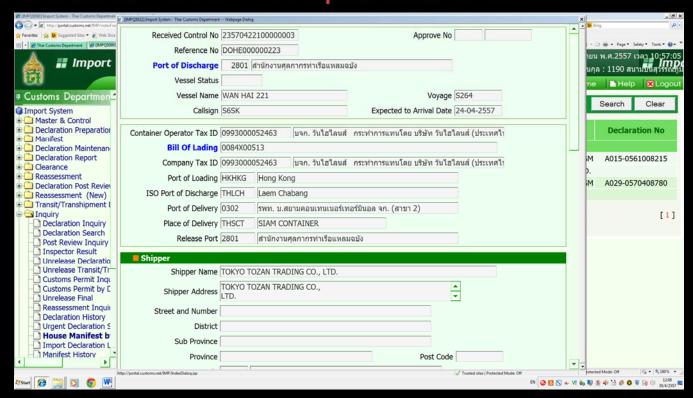






#### Integrating the Technologies

 Comparing informations between import/export declaration and CCTV video at the inspection area.







#### Integrating the Technologies

Following the Activities at Customs Check Points and compares with the statistic of import/export goods.













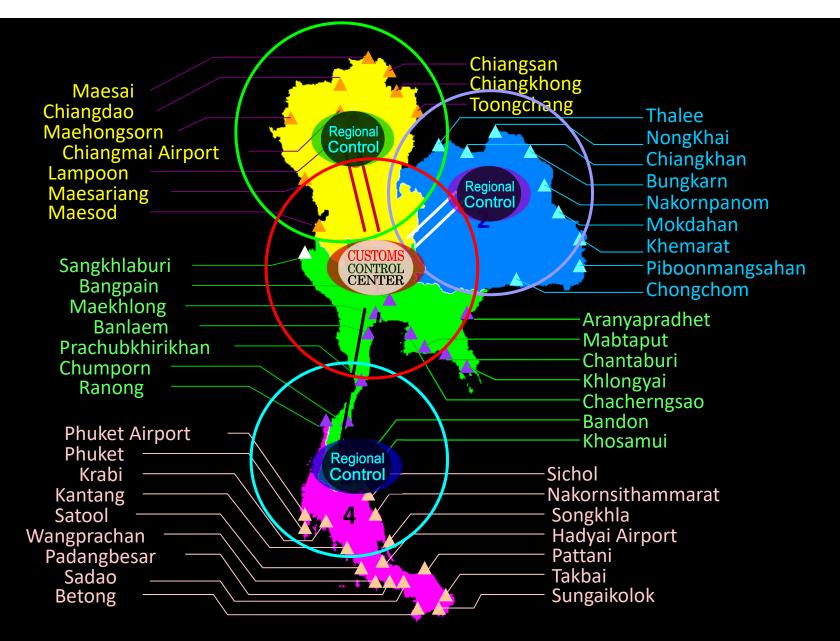
#### Integrating the Technologies

 Comparing informations between import/export declaration and X-Ray image.









#### **Exchange Informations via CCTV Network**



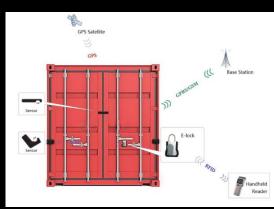


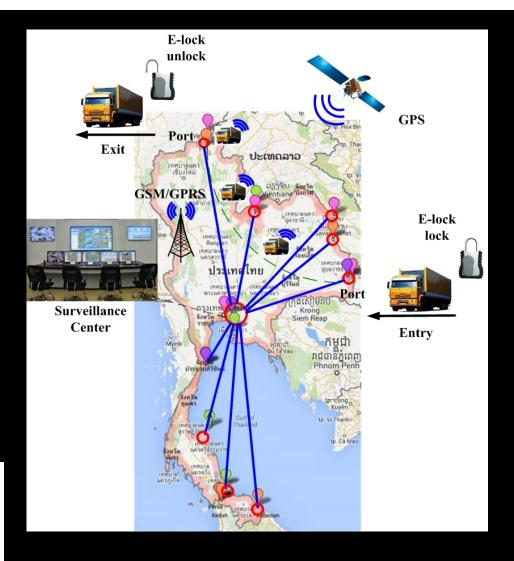
#### Pilot Project in 2016

X-Ray Image and Tracking System by e-Lock







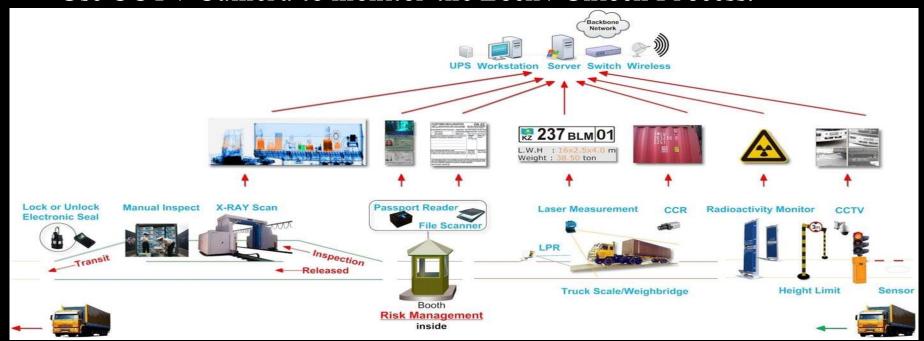






## **Project Over View**

- Pilot Project on Transit cargo
- Pilot e-Lock 16 Stations
- Attach X-Ray image at Departure and Arrival e-Lock Station (Optional)
- Connection via CCTV Network
- Use CCTV Camera to monitor the Lock / Unlock Process.







#### The e-Lock Pilot Project start officialy on April 7, 2016







April 2016: Testing the e-Lock system

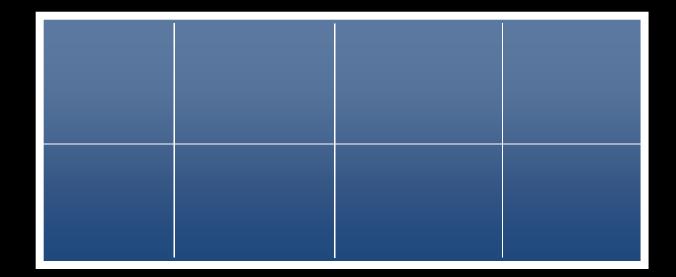
between LCB Port & Mukdahan Customs House

May 2016: Testing the e-Lock System (all Stations)





## Command and Control Room at Headquarters CCTC, Investigation and Suppression Bureau























#### **CONCLUSION**

- 1. The first objective of the X-Ray Container Inspection System is Facillitation.
- 2. The X-Ray Container Inspection System also can use for Customs Control.
- 3. The use of X-Ray Container Inspection System enhance the Thai Customs Service to international standard.
- 4. Integration of multiple technologies greatly enhance the capacity of Customs Control.







## Thank you



Q & A



