IMPLEMENTATION OF MEGAPORTS INITIATIVE

(MALAYSIA'S EXPERIENCE)

MEGAPORTS INITIATIVE

- A component of the US DOE's 2nd Line of Defense Programme
- To detect, deter and interdict trafficking in nuclear and other radioactive WMD.
- Selected sea ports will be equipped with radiation detection equipment supplied by DOE USA.
- The goal is to screen as many cargo containers passing through the port as possible.

MEGAPORTS GLOBAL STATUS

Operational Megaports (30) P Klang : Oct 2009 PTP : Jan 2011	Bahamas (Freeport) Belgium (Antwerp, Zeebrugge) Colombia (Cartagena) Dominican Rep (Caucedo) Greece (Piraeus) Honduras (Cortes) Israel (Haifa, Ashdod) Jamaica (Kingston) Malaysia (Port Klang, Tanjung Pelepas) Mexico (Veracruz, Manzanillo, Lazaro Cardenas) Netherland (Rotterdam)	Oman (Salalah) Pakistan (Qasim) Panama (Balboa, Colon, Cristonal,Manzanilo) Philippines (Manila) Portugal (Lisbon) Singapore (Singapore) South Korea (Busan) Spain (Algeciras) Sri Langka (Colombo) Taiwan (Kaosiung) Thailand (Laem Chabang) U.K. (Southampton)
Implementation Phase (15)	Bangladesh (Chittagong) Cambodia (Sihanoukville) China (Shanghai) Djibouti (Djibouti) Egypt (Alexandria) Japan (Yokohama) Jordan (Aqaba)	Kenya (Mombasa) Lebanon (Beirut) Mexico (Altamira) Spain (Valencia & Barcelona) UAE (Dubai, Shanjah, Abu Dhabi)
Pending Signatures (3)	Argentina (Buenos Aires) Vietnam (Cai Mep) Vietnam (Haiphong)	

GOAL: Over 100 Megaports, scanning over 50% of global shipping traffic by 2015

Source : PNNL US

EQUIPMENTS INSTALLED

Radiation Portal Monitor

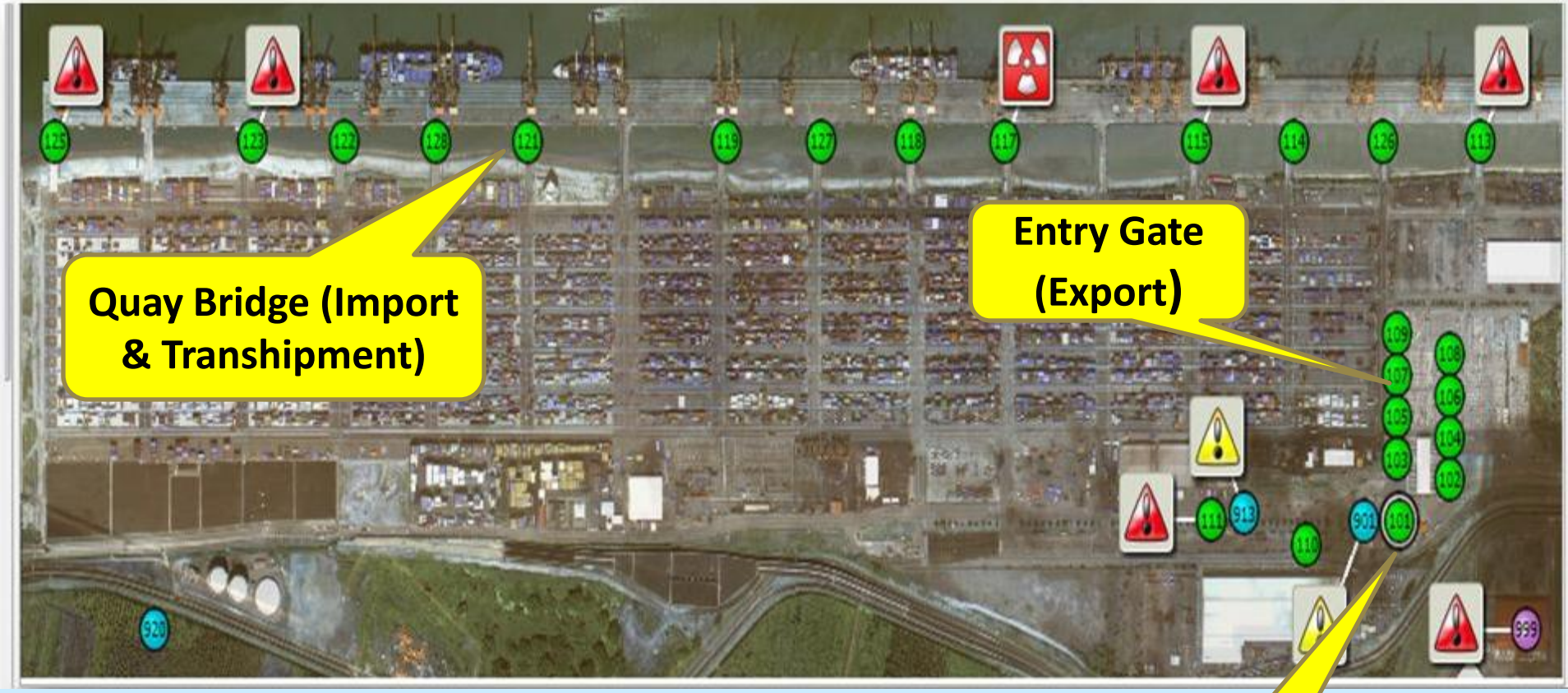
Advance Spectroscopic Portal

CONCEPT OF OPERATIONS

- Primary Inspection
- Primary Response
- Secondary Inspection
- Investigation

Hand-held Equipment

LOCATION OF RPM



WEST PORT

Rail Entry (Export)

BUSINESS PARTNERS
GOVERNMENT AGENCIES
WESTPORTS (M) SDN BHD
ROYAL MALAYSIAN CUSTOMS
NORTH PORT (M) BHD
AELB
KEY STAKE-HOLDERS
MPI
SHIPPING AGENT
MALAYSIAN NUCLEAR AGENCY
FREIGHT FORWARDER
PORT KLANG AUTHORITY
CUSTOMS BROKER
ROYAL MALAYSIAN POLIS

PREREQUISITE FOR SUCESSFUL IMPLEMENTATION

- Commitment and support from top management
- Strong legal frameworks
  - Transhipment cargo
- Technical expertise and knowledge on radiation
- Quality cargo and shipping information
  - Necessary to verify NORM or innocent alarm
- Quick decision making by RMC
  - Delay in Customs clearance
  - To avoid shut-out in case of export/transhipment cargo
- Cooperation and coordination among agencies/ business partners

COOPERATION & COORDINATION

Training	• Initial training conducted by DOE US • Subsequent trainings conducted jointly by AELB/RMC • Trainings involve personnel from other agencies and business partners, such as PKA, Polis, Terminal Operators.

COOPERATION & COORDINATION

Shipping & Cargo Information	• Shipping information : Shipping Agent & Freight Forwarder via Manifest • Cargo information : Customs Declaration submitted by Customs Broker • Information on transhipment cargo : Free Zones Declaration from PKA • Loading/discharge list from Terminal Operators • Terminal Operator's system installed at MPI Control Room • Contact points established

COOPERATION & COORDINATION

Overall Implementation

- Joint SOP with relevant parties
- Technical assistance and support from AELB/Malaysia Nuclear Agency
- Mirror images of radiation profile routed to AELB for their monitoring
- Terminal Operators to expedite the movement of containers
- Regular meetings with relevant parties
- Shipping agents/Customs brokers to assist RMC in case of investigation

PROBLEMS & ISSUES

- Cargo information not available or insufficient
- Agents cannot be contacted during non-office hours and weekend.
- To ensure vehicle drivers adhere to the speed limit of 8 km/hr.
- Equipment damaged by accidents
- Cost of maintenance and sustainability

MPI STATISTICS (PORT KLANG)

Year	Total TEU	Total Containers	Portal Occupancy	Alarm Triggered	Alarm Process	Secondary Inspection
2010	8,871,745	5,914,496	4,405,588	67,523	43,063	44
% 2010	-	-	74%	1.5%	63%	-
2011	9,603,926	6,402,617	4,567,444	51,311	24,587	58
% 2011	-	-	71%	1.1%	48%	-

THANK YOU FOR YOUR ATTENTION

ROYAL MALAYSIAN CUSTOMS