Catching the "BAD GUYS"
Mobile Detect, Inc and Ports of Entry
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POE and Mobile Detect Partnership

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Define the Need:
CBRN Detection at Ports of Entry

- Chemical, Biological, Radiological and Nuclear Detection

- Radiological elements are easily obtained and highly dangerous

- Terrorist Deterrent

- Safety of General Public

- Safety of Commercial Vehicle Operators

- Safety of POE personnel
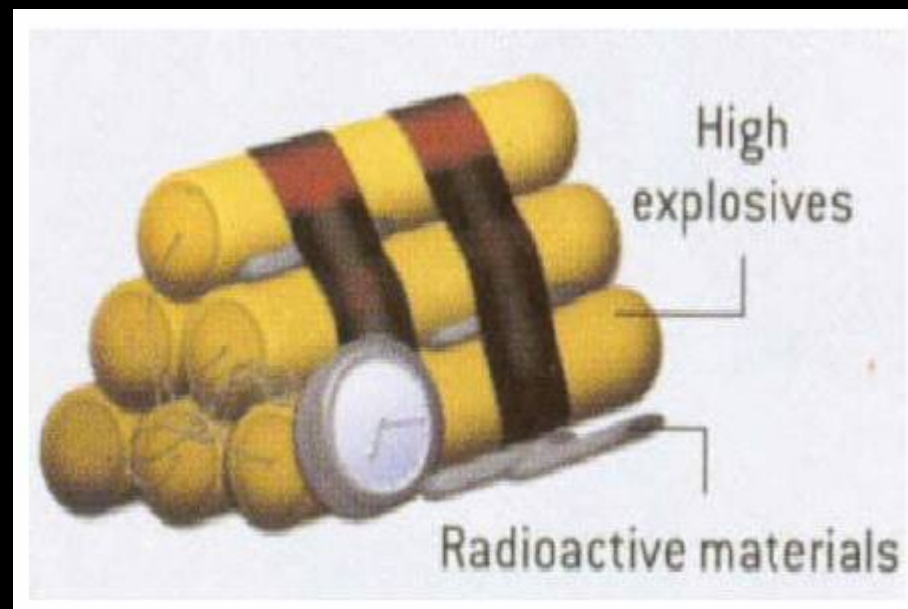
Why Port of Entry for Detection?

- Regulated process for the transport of goods
- Screening 100% of vehicles not a random sample
- Screening of vehicles on highway at highway speeds
- ROI Best Return on Investment (Deploy)
- Existing database for regulating/permitting coop
- Infrastructure in place to facilitate

Credible Radiological Threat: fuels this partnership Since 9/11

- DHS Must Address These Issues-NEW PRIORITES and focus on ROI
- CBRN: Recognized Elements, but not all detectible-YET
- Radiological Element: most probable element (these elements everywhere)
- Add: Chemical, Biological and Nuclear-ASAP (mobile)
- Disruption of Economy
- Instill fears
- New concerns

Dirty Bomb 'Scenario'

3000 CAPSULE

3023 CAPSULE   3024 CAPSULE   3015 CAPSULE

3011 CAPSULE

High explosives

Radioactive materials

RDD – Mechanically Dispersed Material Scenario

Adapted from Dr. D.S. Haslip (DND), 18 Nov 2003

Silent Bomb "Scenario"

3000 CAPSULE   3023 CAPSULE   3024 CAPSULE   3015 CAPSULE

3011 CAPSULE

Adapted from Dr. D.S. Haslip (DND), 18 Nov 2003

Define Radiological Security System Goal

Goal: Close the "R" gap in CBRN

Provide Enhanced Radiological Counter Terror Security Tools to:

- Critical Infrastructure / Economy / Continuity of Government Operations
- Transportation-POEs
- Our First Responders / Emergency Management Center
- Our Community
- COP - Common Operating Picture
    - Regional, National & International Levels

Define: Radiological Detection System for Port of Entry THAT

- Closes the "R" gap in CBRN

- Provide for Counter Terror Activities

- Fits within architecture for Ports of Entry

- Provides a TOOL for:

  - Traveling Public/CVO/POE personnel; Safety and Security

  - First Responders/EMS

  - Protect Critical Infrastructure

  - Facilitate common architecture for local, state, national and international needs.

System Overview

Static
Detection Unit

Person-carried
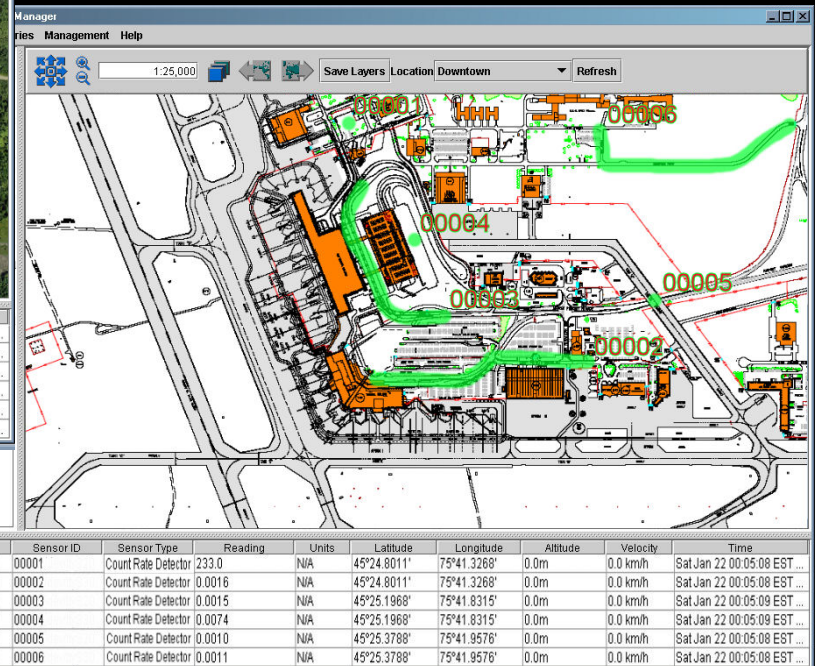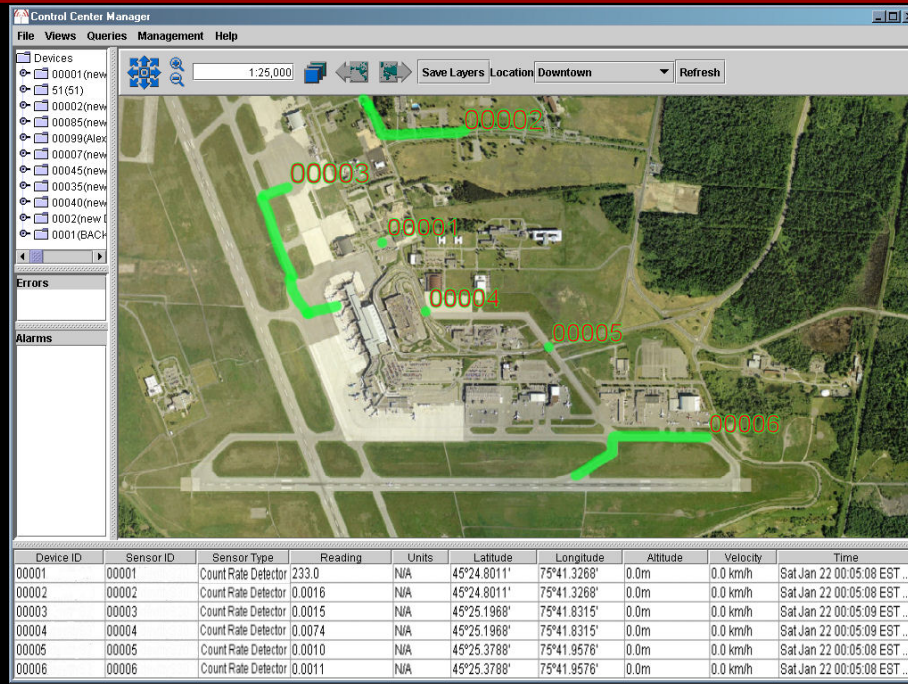Detection Unit

Vehicle
Detection Unit

Relay Server

WiFi Location Manager

MOBILE DETECT

Command Center Server

Threat Manager

Database

Data Manager

Control Center
Manager
(Operations Centre)

Control Center
Manager
(Mobile)

Control Center
Administrator

Command Center Manager
Configured for Ottawa International Airport

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MDI System Summary

- **Fully integrated, Stand-off Detection System Ground Truth (VARIFICATION)**
- Autonomous Data Collection
- Supports CBRN and Indicator Detectors
- Compact Form Factor
- Data collected and analyzed centrally
- Expert Visual & Analytical interpretation
- Compatible with other POE systems and platforms
- Communication – wide coverage and security

Mobile Detect Installations/Mile Stones

- 2003 Ottawa: RCMP Mobile Real Time Radiological Surveillance Network

- 2004 Ottawa International Airport: Airport Radiological Surveillance

- 2005 Colorado Springs: Automatic Vehicle Tracking System

- March 2006 Presentation to US Congress Committee on Terrorism

- Other Deployments:
  - SPAWAR San Diego
  - CWID
  - Colorado Springs NorthCom

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Questions?