

# *Connecting & Securing* our World



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AAPA

Marine Terminal Management Training  
Program

Regional Maritime Security Case Study

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# Presentation Outline

- Maritime Security
- Federal Emergency Management Agency
- Regional Maritime Security Approach
- Houston Ship Channel Security Case Study



# U.S. Port Security Requirements

## Regulatory compliance

- Maritime Transportation Security Act of 2002
- U.S. Coast Guard
  - Facility Security Assessments (July, 2003)
  - Facility Security Plans (December, 2003)
  - Plan Implementation (July, 2004)
  - Compliance (ongoing)



# Port Security Grant Program

## Overview

- Federal Emergency Management Agency
  - Develops, releases, reviews, approves, & manages PSGP funding
  - Strategic Plan Requirements
    1. Tier I (2007)
    2. Tier II (2008)
  - Regional Approach (2006-2010)
    1. Tier I Port areas (7)
    2. Tier II Port areas (48)
    3. Tier III Port areas (43)



# Case Study

## Houston Ship Channel Security District



# Houston Ship Channel

## Geography

- 58-mile ship channel includes;
  - Port of Houston
  - Port of Galveston
  - Individual facilities outside of port jurisdiction



# Houston Ship Channel





# Houston Ship Channel

## Critical value

- 210 million tons of cargo - 7,000 annual ship calls
- 2<sup>nd</sup> in total trade by cargo volume in the US
- largest petrochemical complex in the US
  - 50% of the gasoline used within the US
  - 75% of the petrochemical products & feed stocks in the US
  - 2/3 of the US capacity for natural gas transmission.
  - refines 2.2 million barrels of oil each day



# Houston Ship Channel Security District

## History & Mission

Created: June, 2007- State of Texas Legislative Act  
June, 2009 – Harris County Authorized a District

Objective: Provide a robust, scalable, security solution for water and landside areas within a regionally identified area aligned with the Captain's of the Coast Guard's Sector...

*Detect, Deter, Respond, and if necessary, quickly Recover*



# Houston Ship Channel Security District

Conceptual Design -



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# Houston Ship Channel Security District

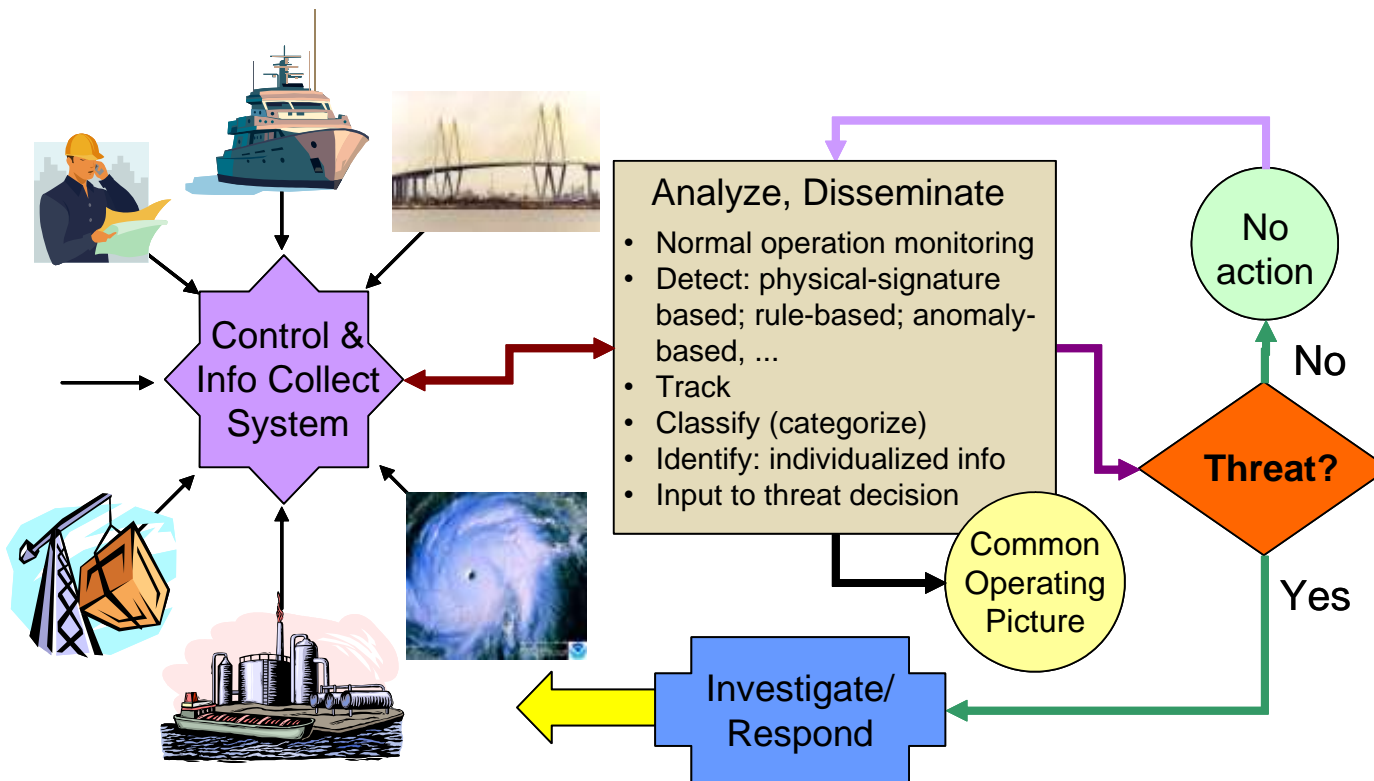
## Agency coordination

- County and Municipal Law Enforcement
- County Emergency Management
- County & City Homeland Security
- Port of Houston
- United States Coast Guard
- Houston Ship Channel Security Council
- Houston TranStar



# Houston Ship Channel Security District

## Concept of Operations



# Houston Ship Channel Security District Costs



- Construction costs
  - Estimated at \$36 million
- System operational and maintenance costs
  - Estimated to be \$5.5 million



# Houston Ship Channel Security District

## Infrastructure Funding

- Security System Funding
  - Federal Grants
  - Matching Funds
    - Public
    - Private



# Houston Ship Channel Security District

## Operational and Maintenance Funding

- Public
  1. In-kind Contributions
- Private
  - Annual tax based assessments
    - Employees and acreage
    - \$6,000 to \$250,000 per year





# Houston Ship Channel Security District

## Benefits

- Improved security infrastructure
- Enhanced security capability
- Improved response times
- Improved information sharing (alerts & notifications)
- Surveillance of district geography without infringement on privacy
- A consolidated, multi-agency operational and strategic command and control emergency response structure



# Houston Ship Channel Security District

## Questions



## Contact details.

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