Port Fourchon, Louisiana

The Gulf's Energy Connection

Innovative Approaches using Information Technology

Bringing Security, Resiliency, Emergency Response and Operations into one Common Operating Picture for Greater Situational Awareness and Interoperability with Local, State and Federal Agencies.

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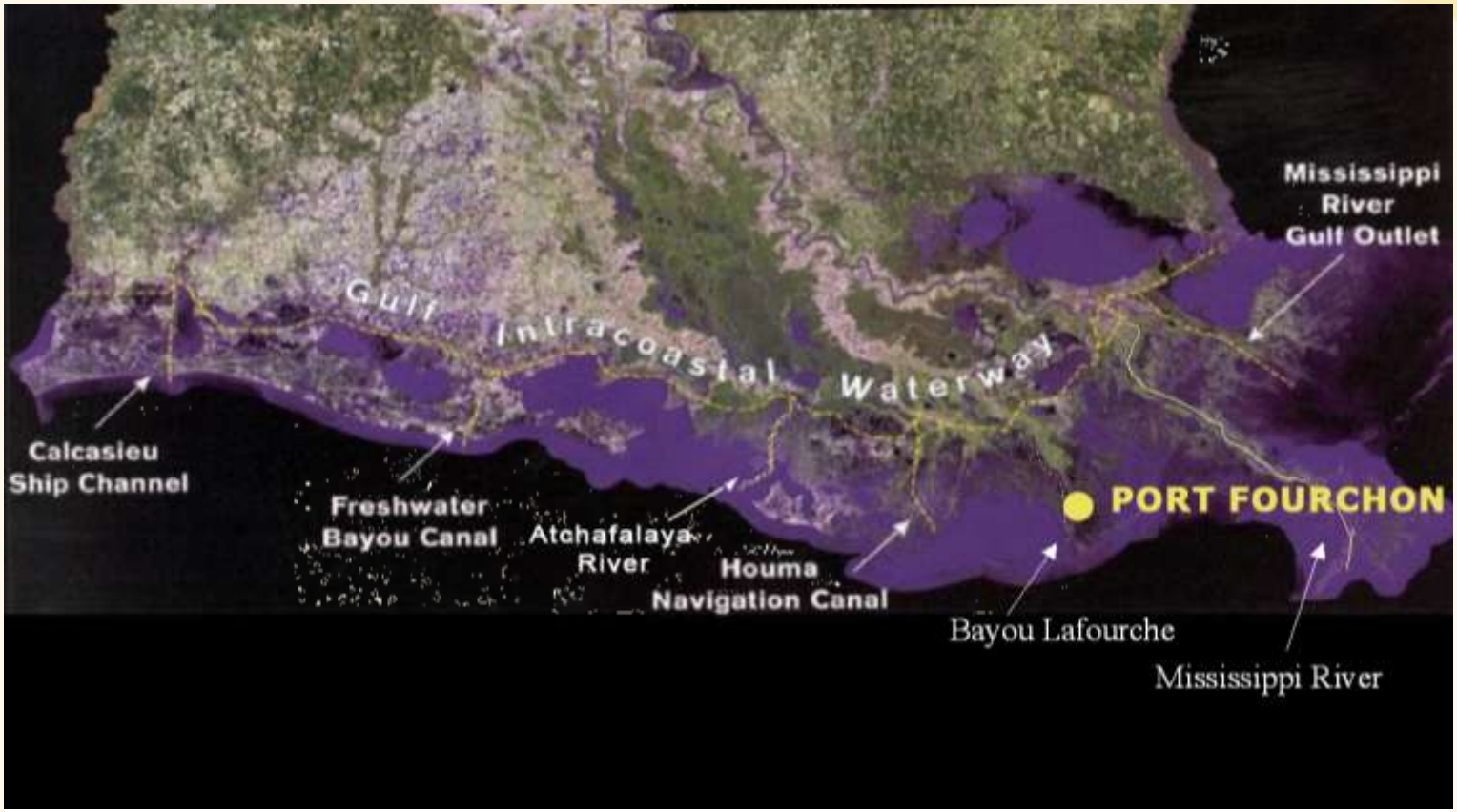
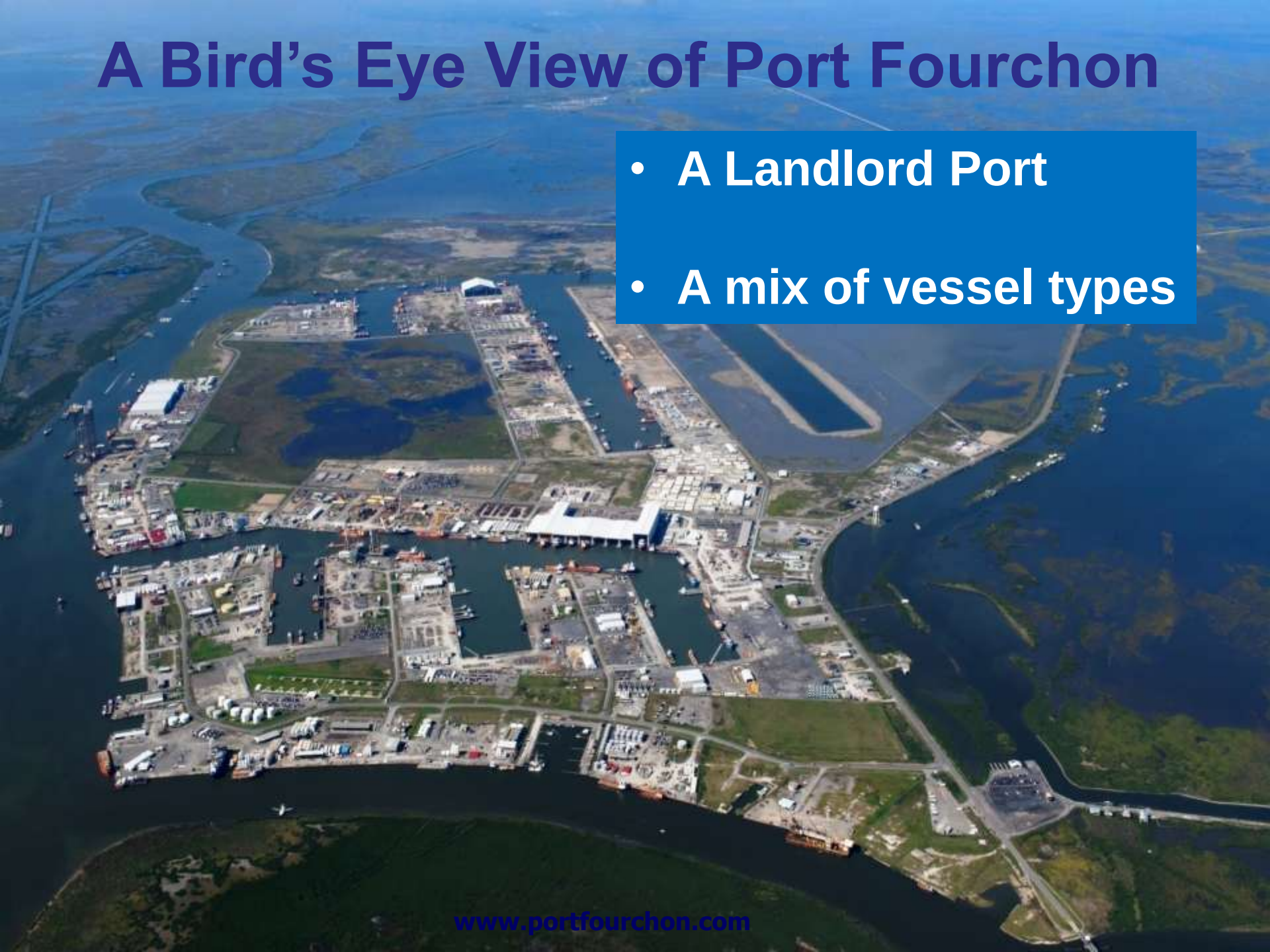
Louisiana's Southernmost Port



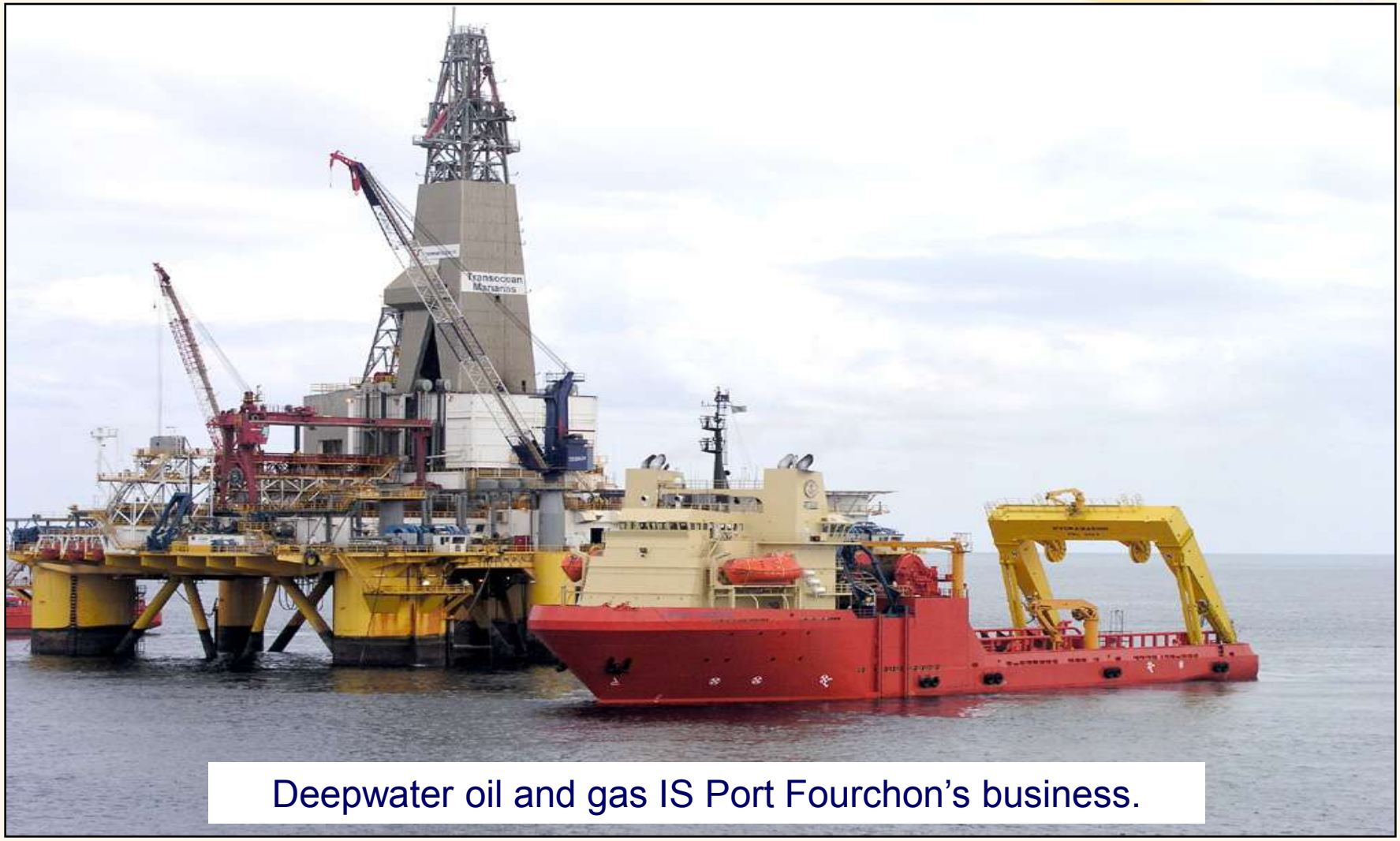
- Easy access from to the Gulf of Mexico.
- Approximately 60 miles Southeast of New Orleans.

A Bird's Eye View of Port Fourchon



- A Landlord Port
- A mix of vessel types

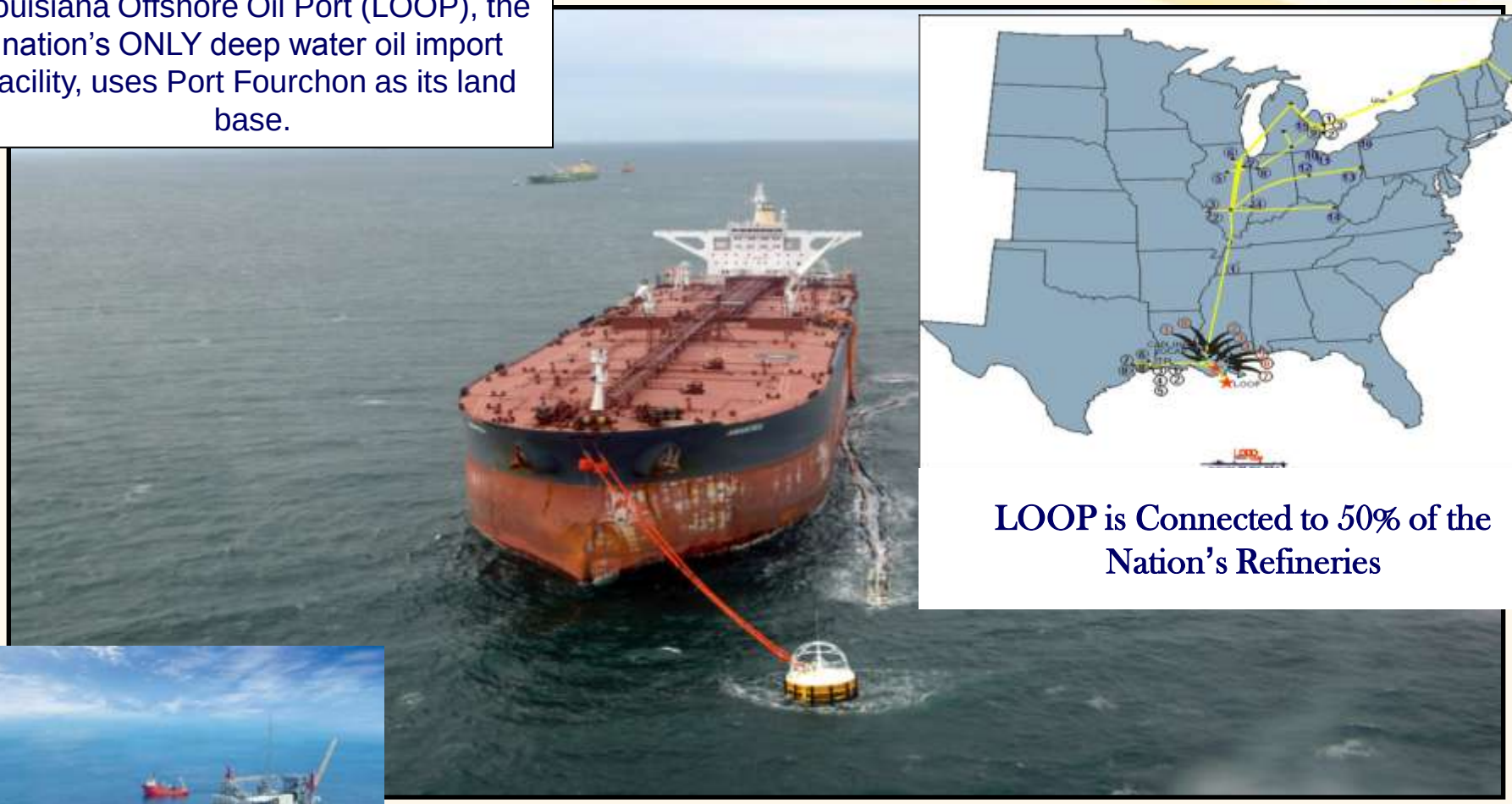
Supporting Deep Water Oil & Gas Drilling



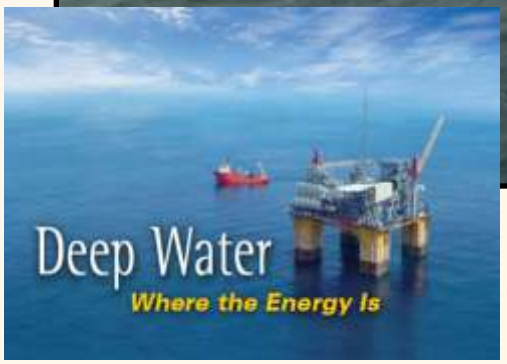
Deepwater oil and gas IS Port Fourchon's business.

Supporting an *Offshore* Oil Port

Louisiana Offshore Oil Port (LOOP), the nation's ONLY deep water oil import facility, uses Port Fourchon as its land base.



LOOP is Connected to 50% of the Nation's Refineries



In total, Port Fourchon plays a strategic role in furnishing this country with about 18% of its entire oil supply.

Since the events of 9/11, improving port security and resiliency has been in the forefront of America's efforts as well as Port Fourchon's efforts to protect against criminal and terrorist activities

Business Problem

- How can the Port bring Security, Resiliency, Emergency Response and Operations into one Common Operating Picture for the Greater Real-Time Situational Awareness and Interoperability with Local, State and Federal Agencies.

- How can the Port improve real time collaboration with its tenants and with local and regional first responders?

- Can the Port create a system that focused as an emergency response tool but can be used day-to-day?

- Disparate Data Systems

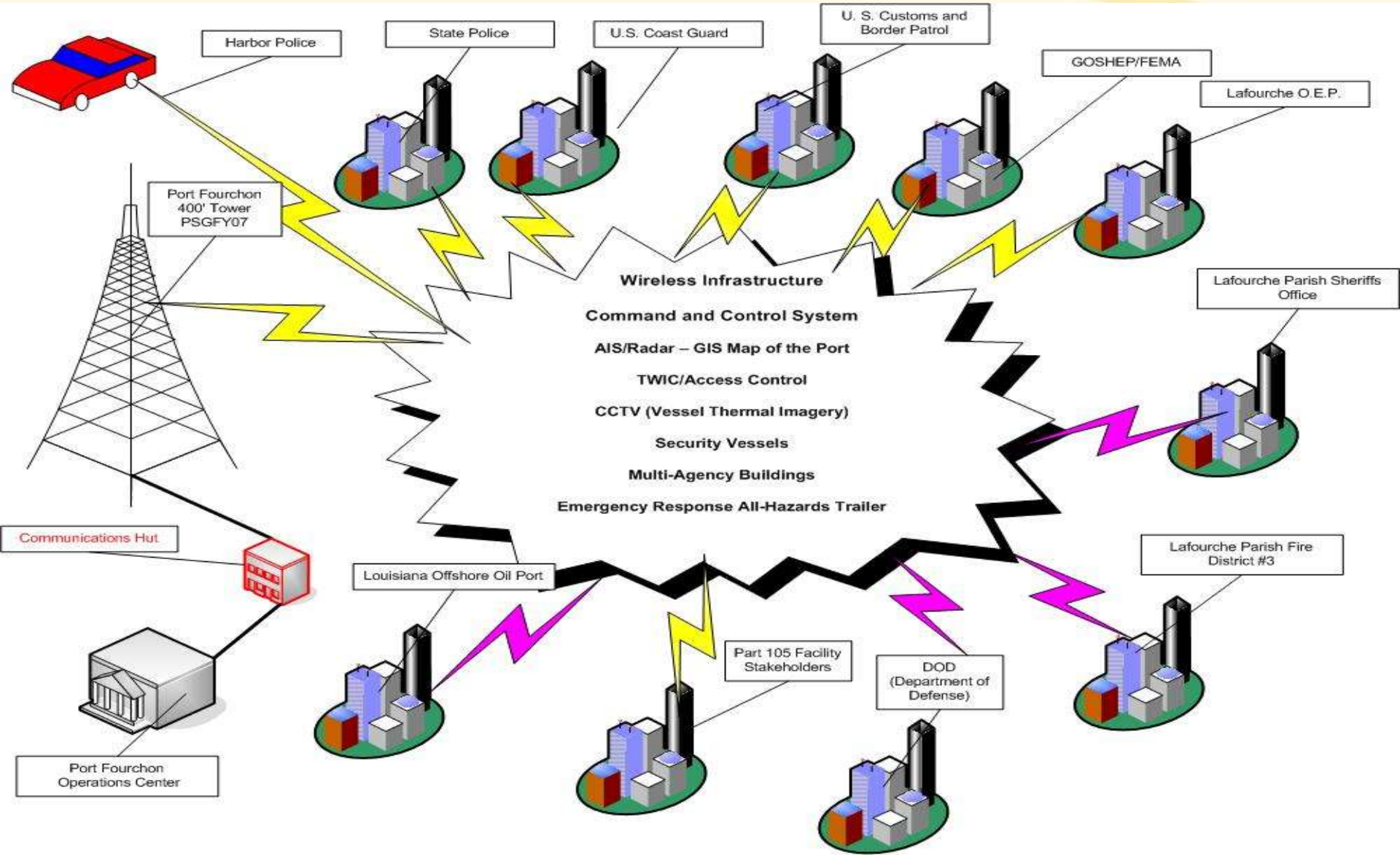
- Port Operations: lack of visibility across the Port

- How can Port Harbor Police access this data out in the field?

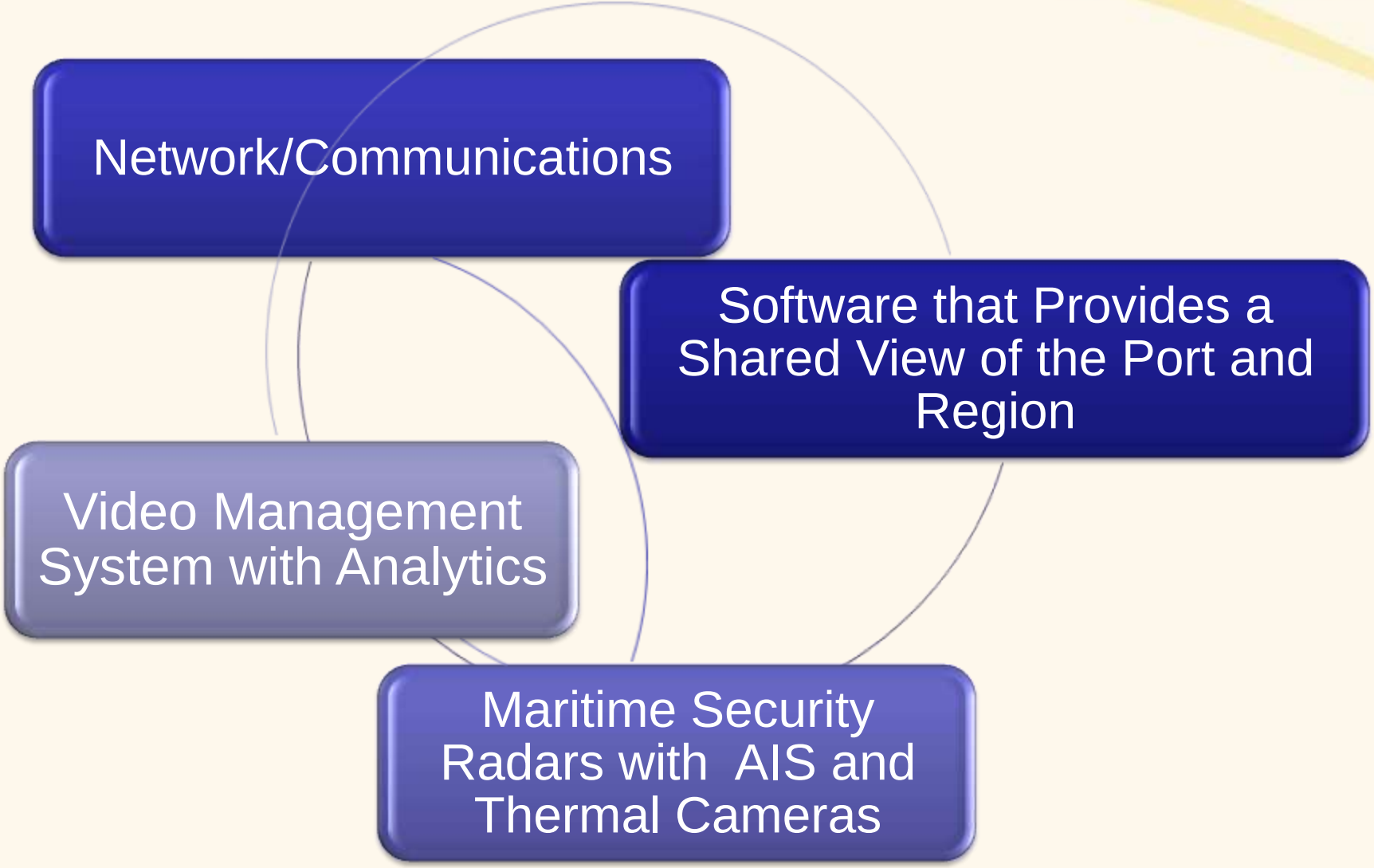
Goals and Objectives

- Have an easy to use interface
- Support day-to-day operations while using the emergency response application
- Leverage Port Security Grant Funding and Meet the National Priorities
- Improve communications and situational awareness between the Port Commission, its tenants, and regional first responders. (go beyond the Port boundary)
- Leverage existing investments in technology, where applicable and upgrade where necessary
- Flexibility to meet everyday operations requirements ; not an “in case of emergency” application
- Improved understanding of an impact of a disaster through consequence analysis
- Monitor trends to better understand potential event escalation.
- TACCS Mobile

Port's Vision



Some of the Main Projects



Network/Communications

Software that Provides a Shared View of the Port and Region

KDAS (Knowledge Display and Aggregation System) for the Office of the Assistant Secretary of Defense, Homeland Defense and America's Security Affairs

- Designed specifically for the purposes of supporting the DCIP to provide real time force readiness and mission status

Video Management System with Analytics

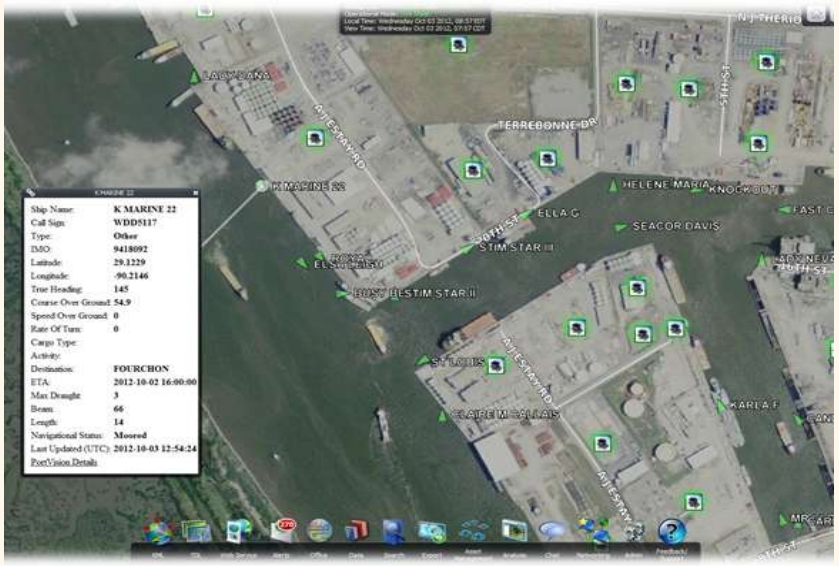
Sensors such as cameras deliver key objective information that improves:

- Situation Management
- Incident Response
- Forensics
- Reporting

Maritime Security Radars with AIS and Thermal Cameras

Radar

Thermal Infrared Camera



MARITIME DOMAIN AWARENESS SYSTEM GLPC-C4 (COMMAND, CONTROL, COMMUNICATIONS, COLLABORATION)

Example of critical infrastructure presented on the map with an interactive panel about the critical infrastructure and their interdependencies illustrated.


Thibodaux
Schriever
Raceland
Mathews
Bayou Blue
Houma
Larose
Cut Off
Golden Meadow
Lafourche Parish
Parish EOC
Lafourche Parish Sheriffs Office (x3)
Greater Lafourche Parish Port Commission HQ
Fire Central
LOOP (x2)
Harbor Patrol
Port Operations

Aspects of the GLPC-C4 includes:

- Integrated Information
- Single Interface
- Automated Alert Notification
- Interoperability
- Information Sharing
- Automatic Status Monitors
- Multiple Response Capability
- Enhanced Field Coordination
- What if analysis?

Lessons Learned

- Newer technologies work
- Scale solutions to needs
- Make good use of grant dollars and build systems and solutions

Benefits

- Dispatcher/end user doesn't need to understand how each system works
- Dispatcher/end user doesn't need to understand how to get the systems to work effectively
- It was deployed one month before the BP Oil Spill and was user friendly enough to utilize in the EOC for day to day operations, situational awareness and response.

Other Uses

- Marketing
- Strategic Planning
- Projects
- Economic Impacts
- Staff Meetings
- IT Network Monitoring and Dependencies

Questions?

Thank you!
April Danos
Director of Information Technology
aprild@portforchon.com or 985-632-1114