Innovative Approaches using Information Technology

Louisiana’s Southernmost Port

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

www.portfourchon.com
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.

www.portfourchon.com
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.

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?

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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

Wireless Infrastructure
Command and Control System
- AIS/Radar – GIS Map of the Port
- TWIC/Access Control
- CCTV (Vessel Thermal Imagery)
- Security Vessels
- Multi-Agency Buildings
- Emergency Response All-Hazards Trailer
Some of the Main Projects

- Network/Communications
- Software that Provides a Shared View of the Port and Region
- Video Management System with Analytics
- Maritime Security Radars with AIS and Thermal Cameras
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
Sensors such as cameras deliver key objective information that improves:

- Situation Management
- Incident Response
- Forensics
- Reporting
Maritime Security
Radars with AIS and
Thermal Cameras
Example of critical infrastructure presented on the map with an interactive panel about the critical infrastructure and their interdependencies illustrated.
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
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