# PORT IMPROVEMENT VIA EXIGENT REPAIR



# (PIER) JCTD SPIRAL 1 ERDC



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## **Background:**

# Port Improvement via Exigent Repair (PIER) Joint Capability Technology Demonstration (JCTD)

Commanders lack the capability to assure continued logistics agility and freedom of maneuver for US forces and require a capability to rapidly repair degraded port facilities to a minimum level of military usefulness. Lack of an agile repair capability compounds the A2AD threat and limits viable offload options for logistics planners.



#### **Benefits and Use:**

Demonstrate COTS technology for pile repair in an expedient environment.







### Approach:

- Market Research of COTS Pile Jackets
- Evaluate Expeditionary Value and Capacity Restoration of Pile Jackets **During Research and Testing**
- Down Select to a Single COTS Technology
- Develop Tactics, Techniques, and **Procedures**
- Package into specially-designed modular kits transportable on C-17 aircraft
- Repair kits are compatible with current military engineering capabilities



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