

# Shaping the Future

with Real Corrosion-Resistant Solutions Working for You

## Marine and Shipbuilding Industry

**Project—Mock-Up Near Field Scanner;  
SPY1A Array Near Field Scanner**  
**Location—San Diego, California**

The Naval Surface Warfare Center, Port Hueneme Division, California chose Pultex<sup>®</sup> fiber reinforced polymer structurals to fabricate a lightweight mock up scanner. The purpose was to research the feasibility of fiber reinforced materials for a prototype Nearfield scanner. Conceptually there were concerns of placing a delicate, high cost system on the ship for the first time without prior knowledge of the physical footprint involved. Concerns revolved around possible interference of crane rigging during installation and the final determination of landing points and footprint dimensions. Pultex<sup>®</sup> FRP structurals were chosen for their rigidity, ease in fabrication of modular design, and weight during shipping, as well as for the low cost.

Pultex<sup>®</sup> fiber reinforced polymer composites were excellent for the prototype scanner because of their lightweight structural qualities and reduced fabrication cost compared to standard materials. The mock up performed in a superb manner demonstrating the potential problems faced during crane/rigging operations.



### Structural Integrity Features/Benefits

- Lightweight...Nonmagnetic
- Corrosion Resistant...Moisture/Heat Resistant
- Electrically Insulated...Easily Installed

### Technical Profile

US Navy Mock-Up Scanner Enclosure

**Resin Series:** 1525 Series

**Pultex<sup>®</sup> FRP Structurals:** Flat Sheets,  
Square Tubes and  
Channels

**Distributor/Fabricator: Structural Fiberglass, Inc.  
Bedford, Pennsylvania**



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