

Barge Maintenance

Core Capabilities

Epsilon Systems provides depot level Berthing and Messing Barge maintenance, repair and modernization for the Commander, U.S. Pacific Fleet (COMPACFLT) Berthing and Messing Barge Program.



Navy Repair, Berthing and Messing Barge Conversion, Upgrade and Installation

Conversion of Navy Repair Barges (YR) to Repair, Berthing and Messing Barges (YRBM)

- Design, procurement and installation of equipment – full-service crew galley, scullery and mess decks
- Installation of crew berthing spaces and washrooms
- Rip-out and replacement of the entire electrical systems, including switchboards, transformers, and load centers
- Upgrading of shore power connection systems from 400 amp to 1200 amp service
- Replacement of all ventilation system ductwork
- Installation of 50-ton air conditioning systems and space heaters
- Freshwater piping system
- Installation of PRC decking

Conversion of Floating Workshop Barges (YR) to Repair and Berthing Barges (YRB)

- Removal, replacement and testing of piping, plumbing, electrical, decking, LAN, phone, security, video surveillance and TV systems
- Installation of male and female berthing spaces including head/washroom facilities
- Sheet metal work
- Piping, electrical, and electronic/communication
- Installation of new electrical wiring, coaxial cable, fiber optic cable, transformers, outlets, hangers, switchboards, power panels, and lighting

Contact

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Navy Repair, Berthing and Messing Barge Conversion, Upgrade and Installation (continued)

Communication, data, alarm and indicating, and entertainment systems

- Local Area Network Installation and Upgrades – Upgrade existing LAN NIPRNET and SIPRNET infrastructure
- General Announcing System Upgrades
- Video Surveillance Systems
- Cable Television Systems
- Fire Alarm Systems
- Telephone Systems

Air conditioning and refrigeration systems

Steam to Electric Conversion

Preservation of Exterior and Interior Surfaces

- Ultra-high pressure water-jetting of exterior decks and superstructure
- SSPC-SP11 preparation and interior painting/CHT Tanks
- SSPC-SP3 preparation and priming of interior and exterior surfaces
- Non-skid installation

Installation of various decking materials

Facilities, capabilities and personnel in San Diego and Pearl Harbor

Relevant certifications and qualifications

- NAVSEA-approved Quality Management System compliant with the requirements of NAVSEA Standard Item 009-04
- NAVSEA-certified Alteration Installation Team (Tech Specification 9090-310 series)
- NAVSEA-certified Agreement for Boat Repair (ABR)