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Technical Solutions Division **Fleet Support Group**

San Diego Shipyard

Full Service Ship Repair and Conversion

Who We Are and What We Do

Our San Diego Shipyard is a certified Master Ship Repair Agreement (MSRA) holder with the U.S. Navy. We maintain cost-effective, sustainable shipyard operations and contract administration through the application of:

- Successful organizational and management techniques
- Skilled workforce of ship repair professionals
- Integrated planning, scheduling, and testing procedures
- Comprehensive environmental, health and safety management programs
- Fully-integrated Information Technology

Our Mission

The San Diego Shipyard Management Team is committed to providing the necessary structure, tools, and environment for our employees. We act in the economic best interests of our customers and our company, in a professional, honest and sincere manner.

Guiding Principles

Our mission is accomplished through unwavering commitment to the following principles:

- Teamwork
- Professional conduct
- Integrity
- Total quality
- Customer satisfaction
- Open, honest communication at all levels
- Awareness of environmental issues
- Empowerment to every level

Proven Shipyard Experience

Fleet Support Group's San Diego shipyard is one of the principal Master Ship Repair providers to the U.S. Navy, having completed hundreds of ship repair contracts for the Navy and Military Sealift Command.



Capabilities

- Inside and outside machinery repair, machine shop, electrical shop, metal fabrication, pipe fabrication, boiler repair and rigging shop
- Outside work areas for large equipment or structural repair, assembly and fabrication
- Industrial repair, fabrication, installation, paint, insulation, rigging and crane services
- Commercial and MIL-SPEC marine coatings – SSPC QP-1
- Certified coating inspection - NACE level III
- ABS and NAVSEA certified welders and weld procedures
- NAVSEA certified weld inspection
- Nondestructive testing: VT, MT, and PT
- Tank cleaning, bilge cleaning, waste water hauling, hazardous material and industrial waste containment and collection
- Piping system flushing and solvent cleaning, CHT and boiler hydro-blasting 3,000 lbs. to 10,000 lbs.
- Installation and repair of all marine (shipboard) equipment
- CNO Availability execution and management

Proven Shipyard Experience

As part of the Fleet Support Group, our San Diego Shipyard is one of the principal MSR providers to the U.S. Navy. We have completed hundreds of ship repair contracts for the Navy and Military Sealift Command including Regular Overhaul (ROH), Selected Restricted Availability (SRA), and Dry-dock SRA (DSRA). We perform emergent repairs on all types of major surface vessels including CVN, CG, DDG, LHD, LHA, LSD, LPD, and auxiliary ships. Tasks include repairs and alterations to a wide range of Combatant Systems (CS), Hull, Mechanical, and Electrical (HM&E) and Habitability.

Points of Contact

Robert Pasana
619.234.8851 x263
rpasana@continentalmaritime.com

1995 Bay Front Street
San Diego, CA 92113
phone 619.234.8851 fax 619.696.7358

Our Priorities: Safety, Quality, Cost and Schedule

Pipe Fabrication and Boiler Repair

- Certified Welding Processes
 - Shielded Metal Arc Welding (SMAW)
 - Gas Tungsten Arc Welding (GTAW)
- Materials
 - Steel
 - Aluminum
 - Copper nickel
 - Inconel
 - Stainless steel
- Brazing of copper nickel and bronze
- Pipe bending through 6 in. schedule 80
- Hand and automatic threading machines
- All boiler repairs and hydrostatic testing
- Heat exchanger, cooler repair, and tube replacement



Metal Fabrication/Sheetmetal

- Certified Welding Processes
 - Shielded Metal Arc Welding (SMAW)
 - Gas Tungsten Arc Welding (GTAW)
 - Gas Metal Arc Welding (GMAW)
 - Flux Cored Arc Welding (FCAW)
- Materials
 - Ferrous
 - Stainless steel
 - Steel
 - HY-80/100
 - High Strength Low Alloy (HSLA)
 - Nonferrous
 - Aluminum
 - Copper nickel
- Metal Forming and Cutting
 - Brakes to 400-ton
 - Shear to ½ in. x 12 ft.
 - Iron worker to 100-ton
- Fabrication
 - Foundations
 - Tanks
 - Ladders
 - Ventilation duct

- HVAC system testing/balancing habitability
 - Countertops
 - Furniture
 - Lockers
 - Tables
- High pressure laminate
- Stainless steel
- Bulkheads
 - Metal joiner
 - Honeycomb
 - Sanitary space partitions
 - Shower stalls
 - Lavatory units
 - False overhead systems
 - NOMEX false decking

Paint

- Coating and abrasive blasting
- SSPC- QP 1 certified
- Certified C-7 blasters
- Certified C-12 and C-14 painters
- NACE Level 3 coating inspectors
- NBPI coating inspectors
- Polymer coating certified
- Certified plural component
- Plural component spray
- Abrasive blast equipment
- Spray conventional, airless
- Inside blast booth 18' x 39'
- Inside spray booth 16' x 39'
- Outside blast area 40' x 120'

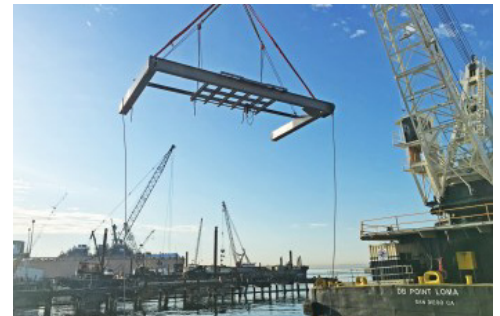
Machinery

In-place and shop troubleshooting, repair and overhaul of the following:

- Valves and valve operating systems
- Pumps and pump testing
- Precision alignment
- Diesel engines and components
- Steam turbines and components
- Propulsion systems
- Propeller repair
- Machining
 - Boring
 - Cutting
 - Broaching
 - Milling
 - Grinding
 - Vertical mill to 36 in. x 48 in.
- Overhead cranes

Electrical and Electronic

- Motor and generator repair
- Transformer repair
- Winding varnish tank 3 ft. x 3 ft. x 6 ft.
- Winding testing
 - AC and DC hipot
 - Surge comparison
- In-place vibration analysis
- Dynamic balancing to 2000 lbs. x 80 in.
- Diameter x 48 in. between journals
- Circuit breaker repair and test
- Motor controllers
- Voltage regulators
- Power conversion 60 Hz to 400 Hz
- AC/DC power supplies
- Alarms and sensors
- Intercommunication equipment
- In-place temperature and pressure calibration
 - Thermometers
 - Sensors
 - Transducers
 - Control switches
- Cathodic protection
- Cable assembly and connectorization



Rigging, Crane and Other Services

- Cranes from 14 ½-ton hydraulic w/ 85-ft. boom to 90-ton w/ 200-ft. boom
- Dynamometer testing to 50-ton
- Anchor chain testing
- Wire rope assembly
 - Fabrication
 - NICO press tooling
 - Socket pouring
 - Testing

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