



Ship Repair and Maintenance

Core Capabilities

- MSRA for Complex Repair Work
- SUBSAFE Certified
- Machinery, valves and pumps (HM&E Equipment)
- Hydraulics/hoists and material handling equipment (OHE/MHE)
- Submarine maintenance, repair and support services
- Electrical repairs and upgrades
- Antenna refurbishment and repair
- Heating, ventilation, air conditioning (HVAC) and refrigeration/cooling systems
- Motor overhaul and rewind

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Epsilon Systems Fleet Sustainment provides marine engineering, assessment, maintenance and ship repair capabilities for all classes of U.S. Navy aircraft carriers, surface ships, submarines, and boat and craft maintenance, repair, alteration and technical support services.

As the company's lead for all waterfront repair and services functions, our Ship Repair Sector has the capacity, technical competency, and capabilities required to meet any shipboard repair or maintenance needs. Epsilon Systems possesses the strong engineering talent, proven program and project managers, and an ISO 9001:2015 compliant quality management system (QMS) that, as evidenced by our impressive record of sustained superior performance over the past 17 years, enables us to successfully complete any repair.

Our Ship Repair Sector maintains certified NDT Level III Examiners who are fully versed in U.S. Navy Standards, ABS Rules, ASME Codes, MSC General Technical Requirements (GTR), AWS and USCG MILPAC Standard specifications for welding and nondestructive testing, including necessary welder/brazer and NDT certifications of personnel to the applicable standards.

Epsilon Systems is an Agreement for Boat Repair (ABR) holder and a certified Alteration Installation Team (AIT) installation provider for the Navy. Epsilon Systems QMS encompasses a series of Standard Operating Procedures (SOPs) and Standard Work Procedures (SWPs) that ensure we deliver consistent quality products conforming to contract specifications.

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Relevant certifications, qualifications and skills:

- Awarded a Master Ship Repair Agreement (MSRA) for our Virginia location by NAVSEA in accordance with CNRMS INST 4280.1 to perform Complex Repair Work as a prime contractor on future major surface ship CNO Availabilities
- Certified to perform Submarine Safety (SUBSAFE) work, as stated in NAVSEA NOTE 5000, on all classes of submarines
- NAVSEA Certified Agreement for Boat Repair (ABR)
- NAVSEA Approved Quality Management System ISO 9001:201 compliant
- O2 Cleaning Services (MIL-STD-1330 and 1622) - NAVSEA Certified Clean Room and Clean Room Technicians
- NAVSEA Certified Alteration Installation Team (Tech Specification 9090-310 series)
- NAVSEA Certified General Purpose Ordnance Handling Equipment (OHE) facility
- Certified Weld Program for Structural & Piping: Steel, Aluminum, Stainless, Copper Nickel (SMAW/MIG/TIG)
 - NAVSEA S9074-AR-GIB-010/278 qualified welding procedures
- Electric Motor Overhaul and Rewind (NAVSEA Standard Item 009-17 & 009-33)
- Balance Rotating Assembly (NAVSEA Standard Item 009-15)
- NAVSEA Certified Vacuum Pressure Insulation (VPI) – Sealed Insulation Systems to include up to frame size 505 Integral HP Induction Motors
- Fiber Optics:
 - Fiber Optic Termination
 - Fiber Optic Connector Instructor
- Coax and Multi-pin Connector Fabricators
- PCMS Certified Installation Technicians & Inspectors
- Cableway Inspectors
- NAVSEA Basic Paint Inspectors
- Level III NDT VT, PT & MT Examiner
- Brazers (Grade III & V)
- Welder and Visual Inspection Training Program
- Forklift Certified Operators
- High Lift Certified Operators
- Shipyard Competent Person (Gas Free)
- Certified Fire Watch Personnel

Epsilon Systems facilities in National City, CA are in close proximity to Naval Base San Diego and with easy highway access to the Naval Air Station Coronado and Naval Base Point Loma. The facility attributes include:

- Secure 62,000 sq ft entry-controlled shop, office, and administrative spaces
- 10,000 sq ft of external lay down area (including 2000 sq ft of secure lay down area)
- Antenna refurbishment shop equipped to repair and weatherize a variety of Navy ship antennas, antenna tilt groups, and gun directors
- Weld, fabrication, and pipe shop
 - Welding machines with the appropriate ventilation/air scrubber equipment, jigs, and platforms to fit and weld metal components and structures
 - Weld test booths to test and certify welders on approved procedures
 - Pipe fitter equipment including cutting and brazing equipment
 - Segregated flammable and inert gas storage areas
- Electric shop equipped with electrical test and measuring equipment, electric repair equipment, generator, and switchboard cleaning equipment, and a variety of tools
- Machine shop outfitted with inside machine equipment including lathes, milling machines, brakes, hydro stands, pump test stand to repair small and medium sized mechanical equipment
- Weight handling equipment repair and recertification shop equipped to repair and recertify the weight handling capacity of hoists, slings, strong backs, ordinance handling, and machinery handling equipment.
- High capacity, self-standing, EPA-compliant hand blast machine with recovery system
- 16'x16'x16' expandable walk-in paint booth to preserve equipment, structures, boats, and metal components
- Secure, fully-provisioned tool issue room
- Secure government furnished equipment storeroom with controlled access
- EPA-compliant inventory-controlled flammable liquid storage lockers
- Designated HAZMAT storage areas