



Providing Full Service Support  
to Engineering and Combat  
Systems Worldwide

## Hull, Mechanical, and Electrical (HM&E) Services

Amee Bay understands the Fleet's need for high quality repairs and installation of HM&E Systems and Equipment.

We provide the resources and expertise necessary to maintain and upgrade HM&E system operations and reliability, which in turn improve the Fleet's operational readiness. We have performed alterations and installations on almost every class of ship in the U.S. Navy as well as Military Sealift Command (MSC), U.S. Army, and other commercial maritime industry vessels. We take great pride in the quality of our work, knowing that it directly affects our nation's ability to meet our maritime commerce and security objectives.

Amee Bay supports various Naval Surface Warfare Center (NSWC) programs, which are dedicated to improving U.S. Navy HM&E equipment through system and component upgrades. These upgrades are intended to:

- Increase Safety
- Reduce Hazardous Material / Waste
- Increase Component Life Cycle
- Improve Reliability
- Increase Equipment Up-time
- Automate Equipment Operation
- Reduce Labor Intensive Maintenance
- Enhance System Capabilities

These upgrades are performed on the following equipment types:

- Gas Turbine Generators
- Air, Gas, and Misc. Fluid Systems
- 60Hz Switchboards and Load Centers
- Automated Bus Transfer
- Alarm and Control Circuits
- Compressed Air Systems
- Compressors / Dehydrators
- Watertight Doors
- Pumps, Couplings & Mechanical Seals
- Anchor Windlass
- Cargo Handling / Cranes
- Fire Extinguishing Systems



Amee Bay has earned the following qualifications and certifications:

- Agreement for Boat Repair (ABR)
- NAVSEA 04X approved Quality Maintenance System, ISO 9001:2008 compliant
- NSWC, RMCs and ABS approved welding procedures
- Hartford Boiler Code Stamp
- NAVSEA approved AIT
- NAVSEA 08 approval for in-place refurbishment of Ship's Service Motor Generators
- Whip and Borne Breaker certified Technician

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Ameebay's personnel are versed in maintenance, troubleshooting, repair, and installation of HM&E systems — our Subject Matter Experts perform at or above the level expected of OEM technicians.

Our personnel directly support the following ship system improvement programs affecting system performance, reliability, and safety:

- LSD Mid-Life Power Upgrade
- AESS System Replacement / Upgrade
- MACHALTS
  - Upgrades and modifications to ships with supportable equipment to improve system performance, reliability and safety
- Drive systems
  - Variable / constant speed retrofit
- Fully Automated Digital Control Systems for Gas Turbine Generators (DFC / FADC)
  - Installation of LM2500 and K17 gas turbine
- Crane
  - Overhaul / retrofit / upgrade including re-engine, drive systems, sheaving, LMI and operator controls
- Lighting Systems Well Deck, Flight Deck, Upper V Lighting Systems Grooms and Replacement
  - Prototype lighting system installation for Amphibious class and Carriers for well decks and hanger bays
  - Pre-AVCERT inspections, testing, grooming and repair for flight decks
- Electronic Governors
  - Development, fielding, installation and testing of electronic governors and electronic over-speed units



## Part of a Bigger Solution

Ameebay's Hull, Mechanical, & Electrical experience and expertise are key components in our mission to provide a complete range of services to our customers. In addition to these services, Ameebay is experienced in C4I systems, Information Assurance and Information Technology system design, deployment, installation and maintenance.

A true turnkey solution, we support all phases of a project from the initial concept on the deck plates to shipboard installation and maintenance, including:

- Requirements analysis and system design
- Manufacturing and fabrication
- Installation, in-place repair and in-service engineering for HM&E systems
- Servers/communication rack installation and cabling
- Communication and Computer system hardware installation, software configuration, testing (i.e., SOVT) and training
- Ongoing system maintenance and Technical assistance

Ameebay's staff possesses the necessary security clearances and flexibility to deploy worldwide in support of all your Engineering and Combat System needs.

## A Small Business

Offices located in AK, CA, FL, PA, SC, and VA

[www.ameebay.com](http://www.ameebay.com)

## For more information:

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