Amee Bay is an established engineering & technical services firm with consulting and specialized hands-on services supporting a worldwide, diversified government and commercial client base. Current customers include but are not limited to NSWCCD–Philadelphia, NSSAS, Southeast and Southwest Regional Maintenance Centers, Huntington Ingleside Newport News Shipyard, Portsmouth Naval Shipyard, Norfolk Naval Shipyard, Puget Sound Shipyard, BAE Systems, Military Sealift Command, General Electric and others. Amee Bay engineers, technicians, and analysts provide technical support for virtually every shipboard system including HM&E systems, naval communications, combat systems, structure, and outfitting. Combining total system engineering knowledge with exposure to shipboard maintenance issues, we provide real-time solutions and recommendations to both engineering activities and commands responsible for shipboard maintenance.
Providing Full Service Support to Engineering and Combat Systems Worldwide

Manufacturing and Fabrication
Amee Bay provides manufacturing and fabrication service at all of our locations. These services range from basic machine shop and welding service to specialized service such as bus bar manufacturing.

In-Service Engineering
Amee Bay has a passion for improving the maintainability and increasing reliability of systems exposed to harsh shipboard environments. Our Equipment and Subject Matter Experts specialize in Shipboard evaluation, investigation, troubleshooting, and repairs to the following equipment:

- MG Sets
- Cranes
- Diesel Generators
- Degaussing Systems
- Habitability Systems
- Control Valve and Actuators
- Engines and Couplings
- Piping Systems (All Types)
- Turbine Generators
- Electric Plant Controls
- Gas Turbines
- Regulators / Controls / Drives / PLCs
- Circuit Breakers
- Vibration Analysis
- AC&R
- ICAS, ICAN, and IBS
- Pumps
- Environmental Systems
- Damage Control Systems

Design and Engineering
Amee Bay’s design and engineering services typically involve system performance assessments and data analysis, specification development, and occasionally reverse engineering. These services include:

- Electrical, Mechanical, Hull, and Auxiliary Systems Design Development
  - Concept
  - Detail
  - Installation
- Drawing Development (2D & 3D) and/or Review
- System Specification Development
- Systems Integration Technical Support
- Ship Check Support
- Component / System Reverse Engineering
- On-Site Shipyards Construction / Modernization Engineering Support
- Equipment Performance Assessments and Data Analysis
- Gas Turbine, Diesel, Steam, and Electric Drive Expertise
- ECP, JCF, ShipAlt and TempAlt Development Machinery Controls Design and Testing
- Test Plan development and installation support
- Failure Analysis / Forensic / Scientific studies

Amee Bay was instrumental in the re-design and retrofitting of electronic governors and overspeed devices due to the lack of repair parts. The re-design effort has included development of drawings, procurement/testing of individual components to replace unavailable parts, and assembly/testing/grooming of the final design prior to installation. This was all in support of NSWCCD-SSES Code 934.

For more information:
Ken Gray • 843. 810. 4590 • kgray@ameebay.com
Mike Quinn • 757. 217. 2721 • mquinn@ameebay.com
J. Michael Grantham • 757. 274. 4545 • mgrantham@ameebay.com

A Small Business
Offices located in AK, CA, FL, PA, SC, and VA
www.ameebay.com