

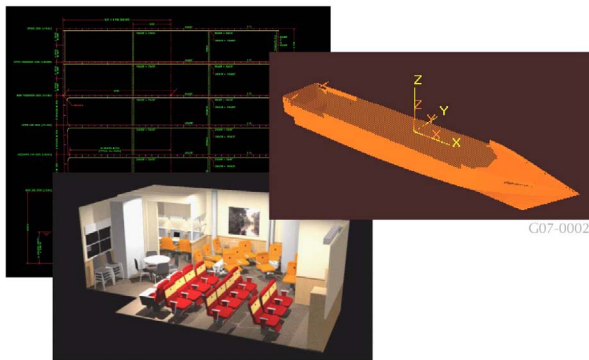
AMSEC, with its legacy M. Rosenblatt & Son acquisition, has 60 years of premier ship design and engineering experience supporting the U.S. Navy. Our Naval Architects and Marine Engineers support the complete ship and shipboard systems life cycle, including:

- feasibility/concept design;
- preliminary and contract design;
- functional design;
- detail design and construction;
- installation/alteration/overhaul; and
- deactivation/disposal.

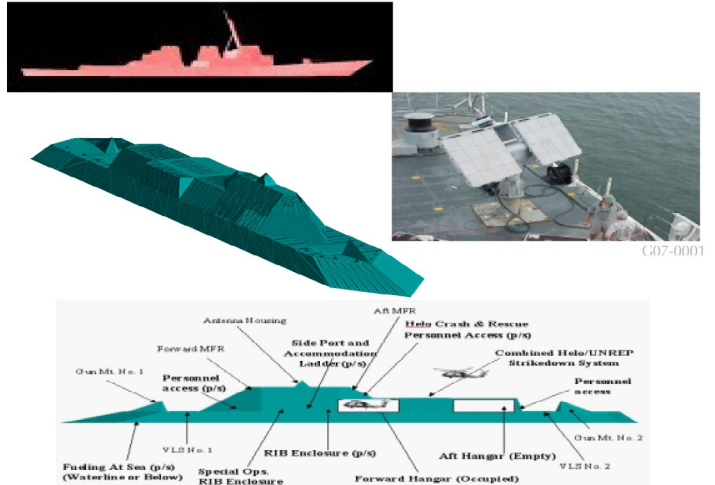
Our degreed and licensed professional engineers provide effective solutions to U.S. Navy, U.S. Coast Guard, Military Sealift Command, NOAA, other government agencies, shipyards, system integrators, vendors, and other commercial customers.

AMSEC Provides Full-Service Design and Engineering Services

- Technical program management
- Naval architecture
- Systems engineering and technical assistance
- Design and construction engineering
- Corrosion and coatings engineering
- Environmental engineering
- Reliability and maintenance engineering
- Simulation and 3-D modeling
- Specifications and standards development
- Expert witness and insurance investigations
- Transportation economics
- Cost estimating



Computer Aided Design / Modeling and Simulation



Computer Aided Design / Modeling and Simulation

AMSEC's Design and Engineering Core Competencies:

Using state-of-the-practice design and analytical tools, our engineers are equipped and experienced in providing studies and analyses encompassing:

- hull form and hydrodynamics;
- general arrangements;
- structures—Finite Element Analysis (FEA);
- intact and damaged stability;
- seakeeping and maneuvering;
- resistance and powering;
- main and secondary propulsion;
- electrical and electronics;
- life support and auxiliary systems;
- hull and deck systems;
- integrated bridge and machinery control systems;
- hi-shock analysis;
- regulatory body interface, requirements and approvals;
- tests and trials;
- human systems integration (HSI);
- surveys and risk analysis;
- maintenance planning;
- alteration work package preparation;
- technology assessment and insertion.

AMSEC's Key Design and Engineering Discriminators

- Strong technical and engineering work force
- Recognized Navy subject matter experts in critical technologies
- Large in-house work force knowledgeable in combat systems, C4I, aviation systems, Integrated Logistics Support (ILS) and information technology
- Facilities located in most major naval ports inter-connected by secure high-speed networks
- Navy's "go to" contractor for Alteration Installation Team (AIT) work on aircraft carrier habitability space modernizations and aircraft elevator repair and grooming
- Logistics support staff of over 400
- Own or lease latest design and analysis and modeling and simulation computer software and hardware
- DCAA-approved purchasing system that facilitates acquisition of required materials and specialized services
- ISO 9001:2008 certified Quality Management System employed company-wide to ensure standardization of service quality and delivery
- Corporate ownership and management totally committed to supporting the fleet



Uniform National Discharge Standards Development

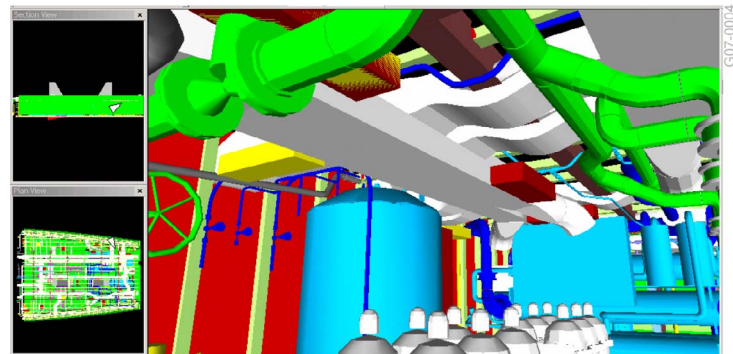
AMSEC's Current Design and Engineering Customers

- Naval Sea Systems Command and PEOs
- Naval Surface Warfare Center Carderock Division — Carderock (MD) and Philadelphia (PA)
- Military Sealift Command
- U. S. Coast Guard — Engineering Logistics Center, Maintenance and Logistics Command, Integrated Deepwater Program System Integration Program Office and Research and Development Center
- Norfolk, Puget Sound, and Pearl Harbor naval shipyards
- Commercial shipyards
- Federal, state and local governments, agencies and port authorities
- Maritime equipment manufacturers



G07-0005

AZIPOD Propulsors and Bow Bulb on Tank Test Model



G07-0004

3-D Machinery Space Layout and Interference Check

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