

## AMSEC's Expeditionary Warfare Capabilities Include:

### Boat Maintenance and Repair

AMSEC has boat maintenance and repair capabilities in place at Naval Coastal Warfare Groups 1 and 2, where the impact has significantly increased mission readiness and craft availability at a reduced cost.

Boat maintenance and repair present unique challenges in ensuring high readiness levels and craft availability. In any boat unit or team, there is often a strain on qualified and trained maintenance personnel due to turnover and high-paced, demanding operational commitments.

In response to these challenges, AMSEC provides dedicated Boat Maintenance Repair Teams (BMRT) with highly skilled, certified, on-site maintenance technicians, logisticians and coxswain trainers to assist personnel with their maintenance and training workload.

AMSEC personnel have the required industry and factory certifications to provide preventive and corrective maintenance services on boat equipment. Our on-site, dedicated teams are ready 24/7 to provide immediate, tangible benefits:



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- Increased operational availability of craft and improved mission readiness;
- Improved capability and self-sufficiency of boat crews through effective training;
- Decreased maintenance costs;
- Improved inventory management;
- Improved maintenance documentation;
- Prevention of costly and lengthy boat yard repairs;
- Dedicated logistics and technical support; and
- Maintenance control returned to operational personnel.

### Boat Design

AMSEC has an extensive, organic, small craft and boat design capability. With a cadre of Naval Architects and Marine Engineers, AMSEC has comprehensive marine engineering and design disciplines and subject matter expertise with all ship and boat systems.

Recently, AMSEC participated in a variety of boat design and in-service improvement programs. Some examples include Naval Architecture, Marine Engineering and design support on Patrol Craft and Fast Missile Craft for Halper Marine; LCU(R) Landing Craft concept design for PMS 325; 7m, 11m and 24' Rigid Hull Inflatable Boat (RHIB) Man Overboard system installation detail design for Naval Surface Warfare Center, Carderock Division, Combat Craft Division (NSWCCD CCD); 7m and 11m RHIB launching and handling systems, projects for U.S. Navy and U.S. Coast Guard; and over 22 small craft engineering and design tasks for the Coast Guard.

### Expeditionary Logistics Support:

#### Special Warfare Automated Logistics Information System (SWALIS)

AMSEC developed and fielded SWALIS for U.S. Special Operations Command (USSOCOM) to provide Total Asset Visibility (TAV) across the enterprise, down to the end users. Naval Special Warfare Command (NAVSPECWARCOM) Commanders, Teams or Detachment Leaders are able to maintain real-time visibility on load-out status and locations of all mission critical and serialized equipment. Authorized allowances and excess inventories are readily seen and easily managed.

TAV includes individual weapons, communications gear, optics systems, medical supplies, parachutes, diving equipment and spare parts. SWALIS provides real-time inventories, location and readiness with reports customized for interested echelon or activity.

SWALIS is DoDAF compliant and WLAN capable, and it employs Oracle 10g security that will seamlessly integrate with clients' mobile computers, PDAs, servers or desktop work stations.



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#### Training

AMSEC develops complex training solutions using software applications and graphics tools that employ animation and digital video and 3-D modeling and simulation. We utilize the experience and expertise of technicians, engineers, commercial artists and former military operators to build training products and presentations.

Support includes training needs analysis, curriculum development, formal classroom instructor-led training, crew/personnel familiarization, detailed equipment operations and maintenance, computer-based training and Web-based training.

#### Interactive Multimedia Instruction (IMI) for Weapons

If a picture is worth one thousand words, then IMI equals ten thousand.

- Visualization greatly increases understanding of weapons function and operation;
- Interactive instruction allows 3-D Illustrated Parts Breakdown (IPB);
- Products are capable of addressing any U.S. or foreign weapons systems;
- Training is suitable for all levels of expertise from apprentice to master; and
- Media is deployable as a stand-alone CD/DVD or Web-based Internet reach-back.



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