

Modernization. Repair. Manufacturing.

TECHNICAL SERVICES

W R Systems, Ltd. (WR) troubleshoots, repairs, maintains, and aligns navigation, communication, and radar equipment and systems. As an In-Service Engineering Activity (ISEA) support contractor for Navy navigation for decades, we have delivered technical and repair support to all in-service US Navy ships and US Coast Guard (USCG) National Security Cutters, and numerous Military Sea Lift Command (MSC) ship classes; as well as sustains systems via robust Integrated Product Support (IPS), including depot-level spares and repairs.

Alteration Installation Team (AIT)

As a premier NAVSEA and OSHA-compliant AIT provider to the US Navy, WR routinely installs Ship Alterations (SHIPALTs) and executes an array of complex technical services aboard US Navy submarines, surface ships, and surface craft.

AIT services include:

- Ship and Submarine C5ISR Equipment Installation and Testing
- Removal, installation, and testing of Heliac, Coaxial, Audio, Video, Data, and Fiber Optic Cabling
- Termination and Testing of Heliac, Coaxial, Audio, Video, Data, and Fiber Optic Connectors
- Installation Project Planning and Scheduling
- Parts Kitting
- Disassembly, assembly, and testing of Multi-Cable Transit Systems
- Ship Checks, SID Verification, RMMCO Check-In, ILS, SOVT
- Redline Drawings/As-Builts, CDRLS, and Training
- Ship Repair
- Production unit testing at Land-Based Test Facilities (LBTF)

Expert removal of Navigation and C4I systems and equipment.

Skilled installation of upgraded and new equipment.

WR's onsite AIT Supervisors are chosen based on experience and proven results across multiple shipboard platforms. We adhere to the standards of the US Navy Joint Fleet Maintenance Manual (JFMM) and NAVSEA Technical Specification 9090-310. We also apply Military Specifications and Standards related to bonding and grounding of equipment on Navy Ships, electrical and optical cable plant design, components, integration, and integrity testing.