PARTNERSHIP READY

Partnerships with Defense Department Depots provides a win-win for DoD and Industry. Partnerships ensure Depot Core skills are maintained, equipment is state of the art, and readiness for surge is available. Partnerships also offer a reliable, skilled workforce to the industry partner, enhance capabilities, and lower lifecycle repair and logistics costs.

NAVSEA Keyport has partnered with industry in depot and Obsolescence Management, and with Academia on repair technology design and laser technology application projects. Partnerships can be created using CRADAs, CITE, and other contract vehicles.

In addition to electronics and electro-mechanical fabrication and repair, Keyport provides state of the art technology in reverse engineering, repair and design, and provides critical skills in ordnance handling, security clearances, and information assurance for a wide variety of customers. Partnerships can tap in to these processes, and be assured that proprietary information is safeguarded from competitors.

Keyport is responsible for three Performance Based Logistics (PBL) agreements with NAVICP, where Keyport provides the program integrator and repair/fabrication experience. Keyport also supports Commercially led PBLs through Obsolescence Management and Custom Engineered Solutions, and can support new PBL partnerships as needed.

SYSTEMS CURRENTLY SUPPORTED

- Ship & Submarine Combat Control, Sonar, and Communications Systems
- Aircraft Avionics, Navigation/Targeting, Control & Communication Systems
- Guidance & Control Systems
- ASW Systems
- Weapons Systems
- Electronics, Data Processing, Cables, Engines, Power, Electromechanical, Mechanical & Structural Components

POINTS OF CONTACT

Sea Systems Customer Business Manager

Code 31 Project Engineer

Naval Undersea Warfare Center
Division Keyport

610 Dowell Street
Keyport WA 98345-7610

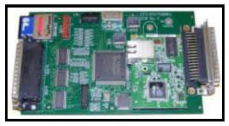
Depot Repair AND ENGINEERED SOLUTIONS

Well Balanced Set of Capabilities with Fully Leveraged Contractor Support

NAVSEA WARFARE CENTERS
KEYPORT

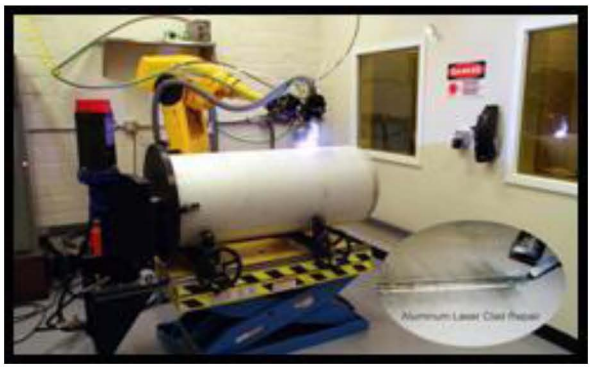
Depot and Intermediate Maintenance:

- Nation's Only Organic Torpedo Depot
  *Electronic/Mechanical Assemblies Repair
  *Shell Repair
  *Container Refurbishment
- Intermediate Maintenance Activity (IMA)
  *Nation's Only Lightweight Torpedo IMA
  *Fully Certified Heavyweight IMA



Maintenance Engineering:

- Leading Edge Fabrication Technology
- Robotic Laser Coating and Cladding
- Rapid Prototyping & Repair Technology Development
  *Laser Scanning
  *Selective Laser Sintering
- Custom Engineered Solutions and Obsolescence Resolution
- Reverse Engineering of Circuit Boards, Gyros, Sensors, Cables and Mechanical Items



Repair, Overhaul, Upgrade, Test of:

- Electronic Assemblies, Boards, Cables
- Electro-Mechanical Components Include
  *Alternators, Generators, Regulators, Precision Pumps and Valves, Electric Motors, Engine Accessories and Gearboxes, Hydraulics, Pneumatics
- Mechanical Components
  *Metal Repair, Engine & Mechanical Overhaul, Container Refurbishment
- UUV Shell (Hull) Repair
- Mechanical Components
- Hydrostatic Testing

Engineering Support

- Reverse Engineering
- Obsolescence Mitigation
- Repair Process Development
- Technology Insertion
- Test Equipment Design, Development, Fabrication & Programming
- Failure Analysis & Root Cause Analysis Corrective Action

Electronics Testing:

- The Common ATE Initiative is a partnership between government & industry that enables the Depot to establish a "common core" test philosophy using a state-of-the-art LMStar ATE.
- Project objective to validate and offload TPSs from older-generation ATE using a contractor–developed translator.

- **LMStar (June 2011)**
- AN/USM-636 (CASS)
- Teradyne Spectrums
- Intepro, HP, DIT-MCO
- In-house TPS programming
- Electro-Mechanical and Gyro/IMU Testers

Electromechanical & Mechanical Testing

- Universal & Custom Designed/Built Test Systems
- Computer Automated & Manual Systems