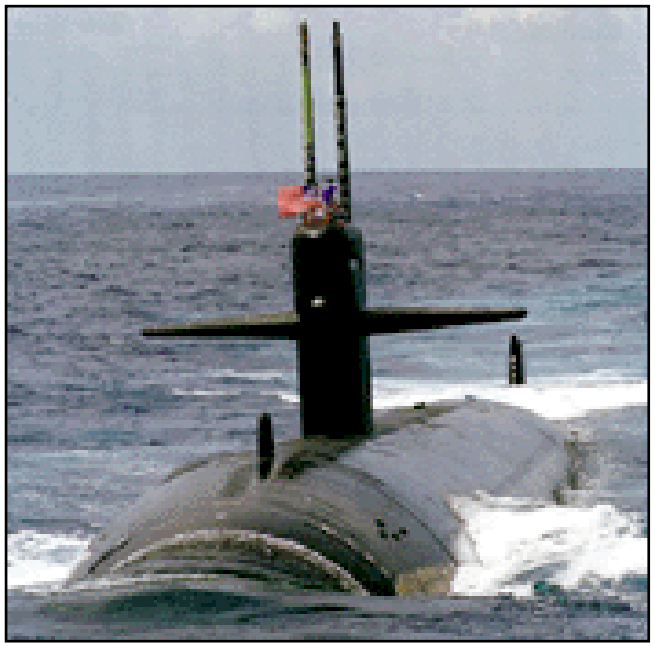
Pearl Harbor Naval Shipyard

Who We Are

- **Largest Industrial Employer in Hawaii**
  - … largest repair facility between West Coast and Far East
  - Nearly 5,000 employees
    - … approx. 4,300 civilian and 480 military personnel
- **Total Goods & Salary in FY08: $600M+**
- **Plant Value: $2.1B**
- **Approx. 148 acres**
- **176 buildings**
- **38 structures**
  - Dry Docks
  - Piers
  - Wharfs

Product Lines and Services



19 Submarines (>90% of workload)

- **16 Homeported at Pearl Harbor**
- **3 Homeported in Guam**

11 Surface Combatants (<10% of workload)

Product Lines

- **Fleet Maintenance**
- **CNO Maintenance**
- **Prep for VIRGINIA Class**

Services

- **Technical Assistance**
- **Training**
- **Emergency Response**

Proven Flexible Response
Emergent & Voyage Repairs

- 7 Dec 1941: 15 of 18 damaged ships were returned to service
- 7,000 ship repairs during WWII

1942 - USS YORKTOWN Repair

2000 – USS DENVER Repair

2001 - USS GREENEVILLE Repair

2007 - USS NEWPORT NEWS Repair

2005 USS SAN FRANCISCO Repair

EMERGENT DOCKINGS
- Submarine
- Surface Ship
- Commercial Vessels
- Army Vessels

RIMPAC (Rim of the Pacific) (bi-annual) EXERCISE
- Varying requirements

Primary Focus Areas

- Continuous Process Improvement
- Productive Efficiency Improvements
- Project Management Improvements
- Becoming the Center of Excellence for Virginia Class submarine maintenance (fly-by-wire technology)
- Leadership Development
- Revitalizing our WWII infrastructure to better service the 21st Century Fleet

Development Opportunities

- **Technologies associated with Non-Destructive Testing, Chemical Analysis, or Hazardous Material disposal.**
  - **Digital radiographic imaging of weld joints and metal structures**
- **Laser measuring and mapping in a 3-D space**
- **Non-intrusive ventilation system cleaning**

Development Opportunities

- Efficient paint removal (non-abrasive & w/o hazardous or toxic materials)
- Advanced surface preservation processes
- Advanced corrosion control
- Anti-fouling of sea water systems
  - UV light
  - Surface treatment

Development Opportunities

- Advanced material movement and/or management systems
- Automated certification/validation of data (e.g. Smart procedures)
- Radio frequency tracking (ie, RFID) of material, equipment, procedures and personnel.

Development Opportunities

- Use of Li ion or nanotechnology to greatly enhance the capability of submarine main storage batteries
- Use of ANDON
- Non-liquid cooling technologies


WE KEEP THEM FIT TO FIGHT
PEARL HARBOR NAVAL SHIPYARD