

U.S. COAST GUARD YARD INDUSTRIAL CAPABILITIES

2401 Hawkins Point Road
Baltimore, Maryland 21226-1797

A Full Service Shipyard



VISION - Position the CG Yard for another century of service to the fleet – Modernize the Yard’s business processes, physical plant and develop the workforce to be prepared for the future.

MISSION - Be the best value service provider for CG vessel overhaul, modernization, emergency repairs and base services. Create awareness of the value the Yard provides to our nation.

CORE VALUE STREAMS

- **Renovation Projects** – Perform mid-life and service-life extension projects on the Coast Guard’s fleet of in-service cutters and boats.
- **Availabilities** – Repair vessels on a scheduled or emergency basis.
- **Remanufacturing** – Overhaul engines, ordnance, sensor systems, critical underwater appendages and other components and systems.
- **Detail Design** – Engineer producible designs to facilitate future installations, from concept to reality, to support renovation projects and TCTOs.

CERTIFICATIONS

- ISO9001:2008 Quality Management System
- ISO14001:2004 Environmental Management System
- AWS certified welding capability
- Certified Asbestos & PCB Removals onboard facility
- SSPC QP-1 Certificated Paint Facility
- Ammo Storage /Handling Certification

POINTS OF CONTACT

PHONE (410) 636-XXXX FAX (410) 636-7458
To serve you better, direct your work requests to the following:

Industrial Manager	CDR Lake/3202
Production Manager	John Bragaw/4025
Chief, Project Management	CDR Krause/3208
EEE/Ordnance	LCDR Bridges/3797
LRE / MEC PL	Al Carroll/4698
IBCTPL	Fred Brady/3389
PB / SB PL	LCDR Randall/4438
Chief, Planning & Estimating	Jody Turner/7402
Chief, Eng & Business Mgmt	Eric Linton/3896
Electrical Engineering	Steve Matelli/3477
Hull Engineering	John Wells/3484
Mechanical Engineering	Len Falcone/7019

SHIPYARD FACILITIES

- Shiplift - 3550 long ton nominal capacity with 55ft x 334ft lifting platform for transfer to land area. Rail transfer up to 48ft beam vessel to land side work area, two 450 ft rail systems allowing cutters to be worked side by side. Total upland handling area is 450 ft L x 100ft W
- Oak Ridge- 536 ft Long, 52 ft Wide, 28 ft Draft Dock, Lift Capacity 6000 Long Tons
- Dockside Pier Space – 3 – 400 ft pier faces and 1500 ft of seawall face all crane serviced
- Dockside Engine Trials and Incline Testing
- Vessel Haul & Block up to 100 tons
- Tug & Temporary Services available
- On Base Berthing, Messing, Medical and Gym

ENGINEERING DIVISION

- Electronics, Electrical, Mechanical and Structural Detail Design and Drawing Review
- Commercial Specs & Procurement Documents
- AutoCAD/SolidWorks Capability
- Pipeflo/Finite Element Analysis
- Docking Plan Review and Development
- DC Plate and Book Development and Updating
- Stability Analysis and Inclining Experiments
- Hydraulic System Design
- Trouble Shooting
- Design Studies
- Logistics Support Services (LM, ES, IM)
- TCTO/MPC Development

X10 – Structural Group – Rodger Pugh

SHIPFITTING SHOP

- CNC Plasma/Fuel Gas/Water Jet Cutting Machine
- Pipe Bending Capabilities,
- Large Unit Fabrication
- Angle Rolls & Shear, Cold Presses, Plate Rolls, Press Brakes & Shear

SHEETMETAL SHOP

- Fabricate & Repair Ventilation & Metal Furniture
- CNC Controlled Punch
- CNC Plasma Cutting System
- Spot Welding Capability

WELDING SHOP

- Established Welder certification Program for all standard Marine materials including HY steels
- Level III Nondestructive Testing Inspectors
- Level II Personnel Testing Qualified to SNT-TC-1A
- P1, P2, & P3 – Shipboard Piping Systems

WOODWORKING SHOP

- Joiner Work, Coamings, Panels, Overheads, Doors, & Furniture
- Deck Work Underlayment, Vinyl Tile, Quarry Tile, Carpet, Di-Electric Matting and Epoxy Deck Covering
- Insulation Renewal and Repair
- Boxing & Crating

X30 Electro Group Ron Viands

ELECTRIC SHOP

- Electric Control Fabrication & Overhaul
- SWBD/PLC Repair & Overhaul
- Motor Overhaul and Testing
- Load Test to 5000 kW
- Soft Blast, Steam Cleaning to 750 psi,
- Electrical Control trouble shooting: prop, fire & smoke / central alarm, TLI systems, electronic governor fuel control set-up & diagnostics (ie..723, 723Plus, 2301A & 2301D), MPCMS, DC prop plants, generators.
- Meter Test & Repair Cal Lab, NIST & MIL-STD-45662-A

ELECTRONICS SHOP

- Repair, Overhaul, Installation & Tech Assist for Communications, Radar, Navigation Equipment
- Surveillance Camera inspections and installs
- Fabrication of Cabling Assemblies & Equip Racks
- Tiger Team / Road Show Installations
- Electronics System Trouble Shooting
- EKMS Storage Capability

ORDNANCE SHOP

- MK38 Install & Overhaul Certified Activity
- MK53 CAS Overhaul, Depot Level Repair & Installation
- MK75 Gun Mounts Certified Overhaul & Depot Repair
- MK75 Camming and Contouring Installation
- MK11 Saluting Battery Overhaul
- MK137 Decoy Launcher System Overhaul

X20 Mechanical Group Don Shields

PIPE SHOP

- Water jetting for piping systems
- System Testing to 4000 PSI
- Valve Overhaul & Repair
- Pipe Mitering, Bending

INSIDE MACHINE SHOP

- CNC Lathe with 70 in swing, Vertical Machining Center, Bed Mill Handling large shafts
- Haas, 4 axis CNC mill, X/Y travel of 30"x64"
- Dynamic Balancing
- Horizontal Boring Mill
- Propulsion Shaft Manufacturing, Repair & Straightening
- Vertical Turret Lathe
- Engraving
- Gauge Calibration Lab - NIST & MIL-STD-45662

MARINE MACHINE SHOP

- Complete Prop/Shaft Alignment services (Bearing Reactions, Optical, Laser etc)
- Overhaul/repair of systems i.e. winches /capstans/ windlasses / cranes/ davits/steering systems & main prop / Aux systems
- Optical Scope Inspections
- Hydraulic System Repairs
- In place machining/repair of bores & flanges

ENGINE SHOP

- Diesel Engine Overhaul
- CPP Hub Rebuilds
- Water Brake Dynamometer

X40 Services Group John Downes

PAINT/BLAST SHOP

- Blast Units - Abrasive Vacuum, Hydro, Sponge, Soft, Water-Jetting & Slurry
- Fiberglass Antenna Coating & Shaft Covering
- Automated Steel Shot Closed Cycle "Roto" Self-Contained Unit
- Marine & Industrial Painting
- Plural component coating system application
- Fiberglass Boat Repair
- Lead Paint Removal
- Pressure Wash Cleaning
- Dust Collectors – 2 ea 22,000 CFM (portable) & 2 ea 5,000 CFM (portable)

MATERIALS HANDLING SHOP

- Wire and Fiber Slings Fabrication
- Flatbed Trailer transportation capabilities
- Mobile Cranes – up to 35 tons
- Portal Tower Cranes – 25 to 38 tons
- Forklifts – up to 18 tons
- Swage Press for fittings – up to 500 tons
- Weight/Pull test weight handling equipment