

# 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** – to existing in-service vessels, such as service life extensions (SLEP)’s, Midlife Maintenance Availabilities (MMA)’s, Mission Effectiveness Projects (MEP).
- **Availabilities** – Planned and Unplanned vessels repairs and Recurring Depot Availabilities (87’ RDAP).
- **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

- ISO 9001:2015 Quality Management System (QMS)
- ISO14001:2004 Environmental Management System
- SSPC QP-1 Certified Paint Facility
- AWS certified welding capability
- EPA Certified Refrigerant recovery/charging
- Certified Asbestos & PCB Removals onboard 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:

<b>Industrial Manager</b>	CAPT Obermeier / 3202
<b>Production Manager</b>	John Bragaw / 4025
<b>Chief of Planning</b>	James Hoehn / 7402
Scheduling Branch	Chris Wooden / 4068
Planning & Estimating	Raymond Dix / 3457
<b>Chief of Project Management</b>	CDR Kowalczyk / 3208
EEE/Ordnance	LCDR Gonzalez / 3797
LRE / MEC PL	Al Carroll / 4698
IBCTPL	Fred Brady / 3389
PB / SB PL	LT Kai / 4438
<b>Chief, Eng &amp; Business Mgmt</b>	Eric Linton / 3896
Electrical Engineering	Rich Mills / 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
- 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
- SSMEBs
- Trouble Shooting
- Design Studies
- Logistics Support Services (LM, ES, IM)
- TCTO/MPC Development

## **X10 – Structural Group – Adam Cole**

### **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
- Precision Laser Cutting & Punch System
- CNC Plasma Cutting System and CNC Autobrake
- Spot Welding Capability

### **WELDING SHOP**

- In house Welder certification Program for all standard Marine materials including HY class steels
- Multiple AWS Certified Welding Supervisors & Inspectors
- Levels I/II/III Nondestructive Testing Inspectors 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
- Packing, crating, and one-off custom woodwork

## **X30 Electro Group - Ron Viands**

### **ELECTRO SHOP**

- Electric Control and Motor Fabrication & Overhaul
- SWBD/PLC Repair & Overhaul
- Load Test to 5000 kW
- Electrical Control trouble shooting: propulsion, fire & smoke / central alarm, TLI systems, electronic governor fuel control set-up & diagnostics (ie.723, 723Plus, 2301A & 2301D), MPCMS, DC propulsion plants, generators.
- Meter Test & Repair Cal Lab, NIST & MIL-STD-45662-A
- Installation & Tech Assist of integrated Communications systems, incl. satellite communications systems.
- Repair, Overhaul, Installation & Tech Assist for Integrated Radar and Navigation systems, including system operational and verification testing.
- Troubleshoot & repair malfunctions in complex, interrelated electronics systems, performing corrective action to correct deficiencies while assisting engineering in developing documentation.
- EKMS Storage Capability

### **ORDNANCE SHOP**

- MK38 (Mod 1&2) 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 and chemical flushing for piping systems
- Hydraulic Piping (System) flushing
- Valve and Strainer Overhaul & Testing
- Overhaul & Testing of heat exchangers/coolers
- Exhaust piping cleaning

### **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, Components, and Outdrive Overhauls
- CPP Hub Rebuilds
- Water Brake Dynamometer

## **X40 Services Group – Lamont McCloud**

### **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
- Flow-Coat Preservation
- 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 ( to 90 tons) Tower Cranes (to 38 tons)
- Forklifts (to 26 tons)
- Swage Press for fittings – up to 500 tons
- Weight/Pull test weight handling equipment