



# Surface Forces Logistics Center

SFLC exists to Support the Fleet

Info Brief:

## SEA-AIR-SPACE: SFLC Overview – Challenges & Opportunities

Date: April 2024

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Commander, Surface Forces Logistics Center



Assistant Commandant for  
Engineering and Logistics (CG-4)





# Agenda



- What does SFLC do?
- Where are we are located?
- Current Initiatives?
- Challenges
- Opportunities?

A strong defense industrial base and strong partnerships are needed for the USCG to be successful in defending the homeland. The new fleet replacing the legacy fleet is larger, heavier, and more complex. We already see challenges with having sufficient industry capacity to bid on and perform our maintenance work. Realizing the federal government also does not do us any favors with a cycle of continuing resolutions, we need to build that into our planning profiles. Despite these challenges, the USCG and Industry must find ways to collaborate, as our national security depends on it. Supply chain risks must be mitigated, reasonable sharing of data rights must occur, and expansion of additive manufacturing is a must. Maintenance processes that show promise to meet our requirements, reduce schedule and costs, and optimize our: component, system or asset service lives are needed. Additionally, a systematic and disciplined approach to modernizing our data is required to create metrics and dashboards for risk-based decisions, optimization of maintenance, and better manage the configuration of assets.





# SFLC Exists to Support the Fleet



## SFLC Mission

Provide Surface Fleet assets with:

- Depot Level Maintenance
- Engineering
- Information Services
- Cybersecurity
- Supply

to support Coast Guard mission execution, worldwide.

**Assets Supported**

**243 Cutters**

**1,734 Boats**

**1,300 Maintenance Projects Annually**

**Cutters:** ~ 450  
 Dry Dockings: 50-70  
 Docksidings: 100-120  
 Overhauls: 250-300  
**Boats:**



### Routine Maintenance

Executing a multi-yr cycle of DD & DS availabilities for cutters & boats.

**POLAR STAR** at Mare Island Dry Dock in Vallejo, CA.



### Emergency Maintenance

Ready to quickly repair broken assets & return them to operations.

**SAGINAW** lifted out in unplanned dry-docking in Pascagoula, MS



### Renovation Maintenance

Longer dry dock projects to modernize & extend service life.

**HARRIET LANE** in CG YARD for Service Life Extension Project.





Homeland Security

# Engineering Services

United States Coast Guard



## Ship Design & Engineering



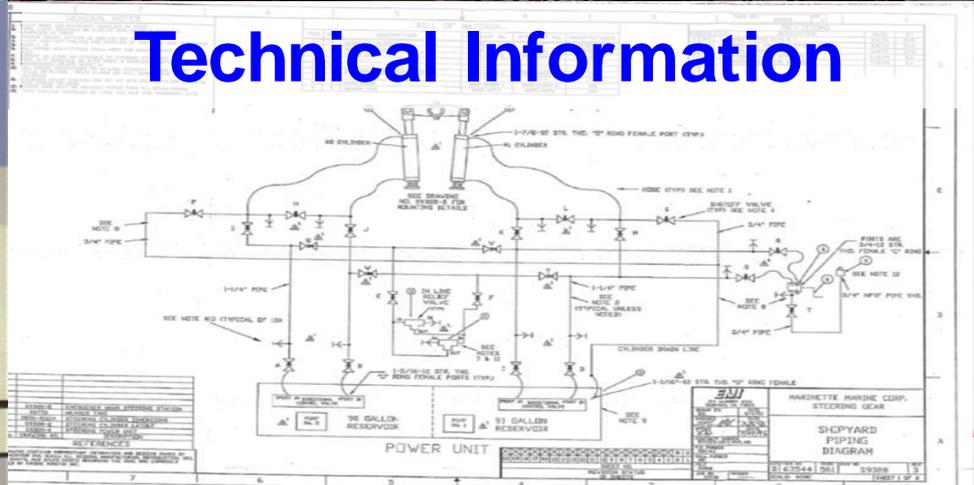
## Maintenance Standards



## Electronics & Ordnance



## Technical Information



**CG-LIMS**  
UNITED STATES COAST GUARD  
LOGISTICS INFORMATION MANAGEMENT SYSTEM



SURFACE TECHNICAL INFORMATION PORTAL



# \$1 Billion Fleet Supply System

89,377 Parts Requisitions in FY22



## Inventory Warehouse

→ CFO Compliant ←

(since FY13)

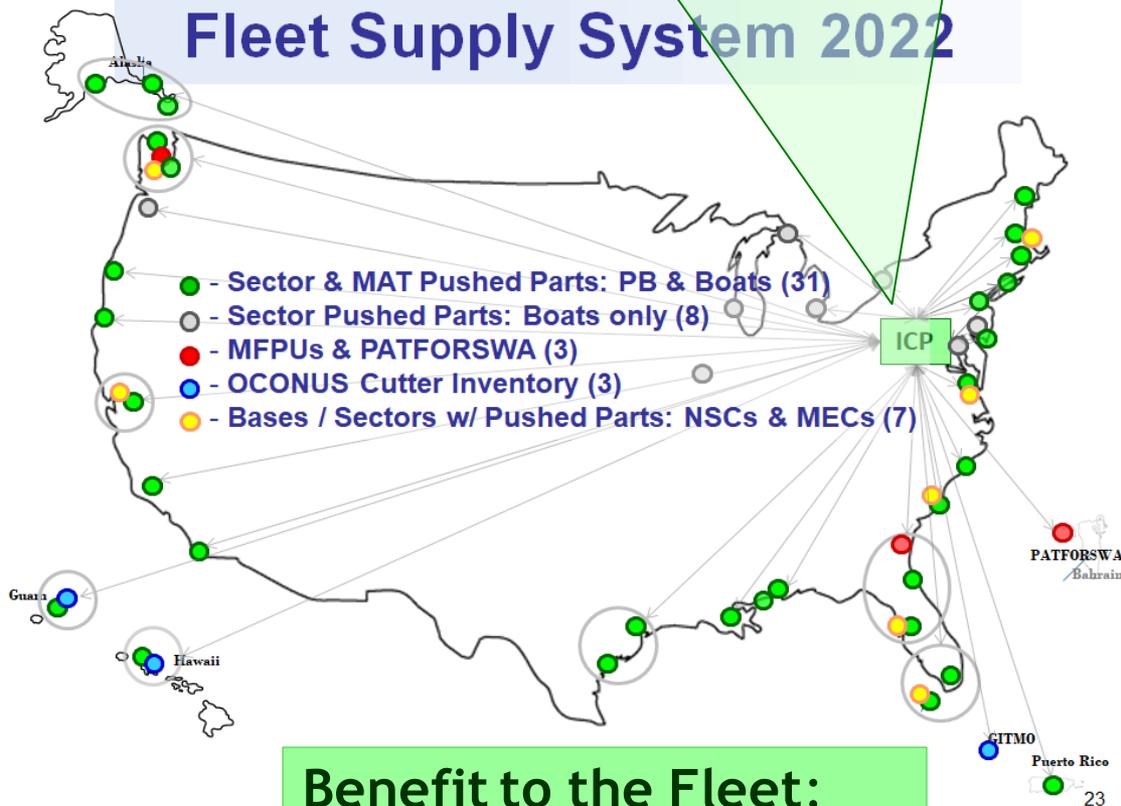


[HEALY Video](#)

## Forward-Deployed Inventory

Pushing Parts → 75 Primary Remote Sites

### Fleet Supply System 2022



### Benefit to the Fleet:

- ✓ send the right part...
- ✓ to the right place...
- ✓ on the first try.

Total Parts Inventory: \$1.03 Billion

➤ \$917M: SFLC ICP Baltimore

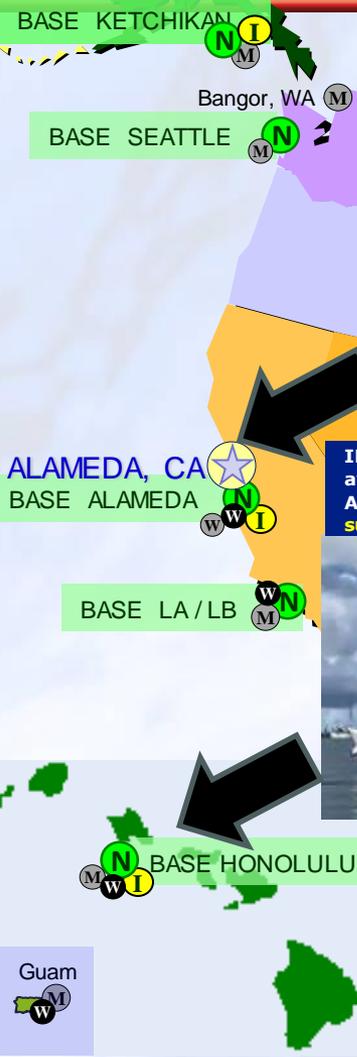
➤ \$186M: Remote Inventory (and misc.)



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# SFLC Enterprise Forces



SFLC ASSIST MAT removing the NR1 SSDG in preparation for installing a new SSDG and Generator Set.



IPF Hono & MAT Guam performed a DS availability on OLIVER HENRY in Guam in Apr '22, pioneering deployed CG Industrial support in remote areas.



Mechanics at IPF Boston performing an emergency generator change-out on a BUSL 49 during an unplanned dry-docking in October 2022.



Ordnance specialists from WAT Portsmouth and CG Yard conduct removal of a MK75 gun mount on CGC TAMPA, at Portsmouth, VA in April 2022.



- SFLC COMMANDER
- REGIONAL NODE
- NAVAL ENG DEPARTMENT (@ CG BASE)
- Maintenance & Weapons Augmentation Teams [MATs/WATs]
- Industrial Production Facility [Detachment]
- Central IOD (Industrial Ops Division)



An integral part of CG SFLC



[Yard Shiplift Video](#) [SharePoint site](#)

## Yard Workforce: 685 Total

- 12 Trade Shops
- ~ 465 Production Craftsmen
- ~ 120 Mgrs, Engineers & Support

**Yard Working Capital Fund: \$115M**

**Full Service Shipyard**

## Top 5 Yard Functions:

1. Renovation Projects (ISVS)
2. Routine & Emergency Availabilities
3. Remanufacturing & Repairables
4. Detailed Design & Engineering
5. Base Support



# Initiatives



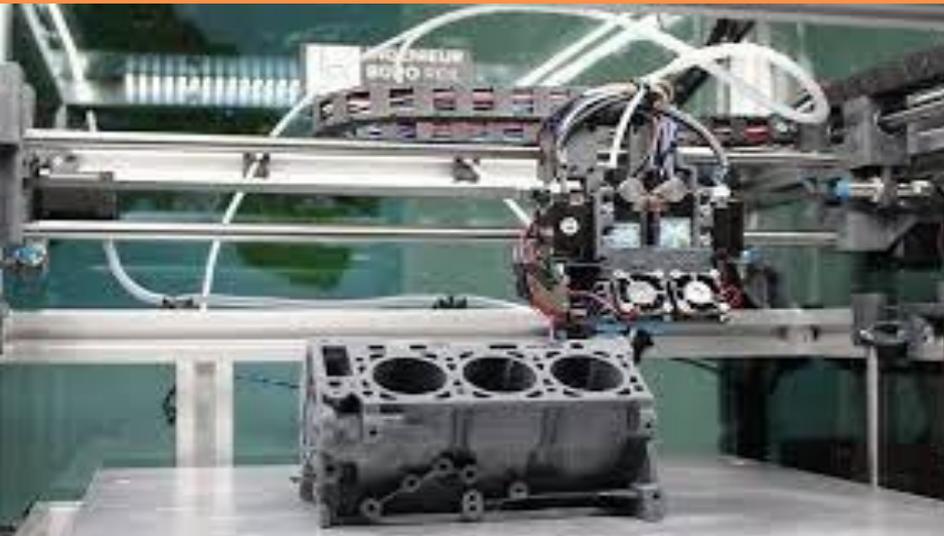
## Centralized Cutter Boat Pooling



## RDAP Dry Docks - LANT WPCs



## Additive Manufacturing



## Shipyard Infrastructure Optimization Plan





# Challenges



## Larger/Heavier/More Complex Ships

## Supply Chain

Homeland Security **Growth of the Fleet** United States Coast Guard

Under Construction  
OPC

270 Lead Ship 1983

210 Lead Ship 1964

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## Automation and Controls

## Maintenance Funding Shortfalls are Increasing

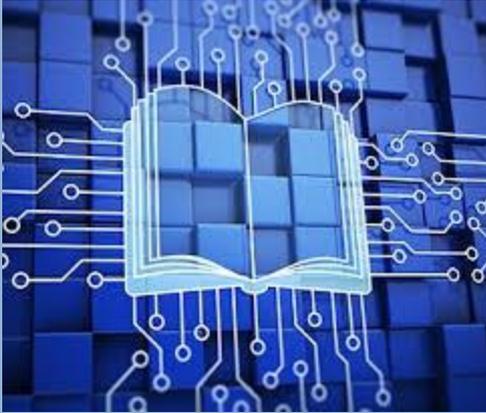




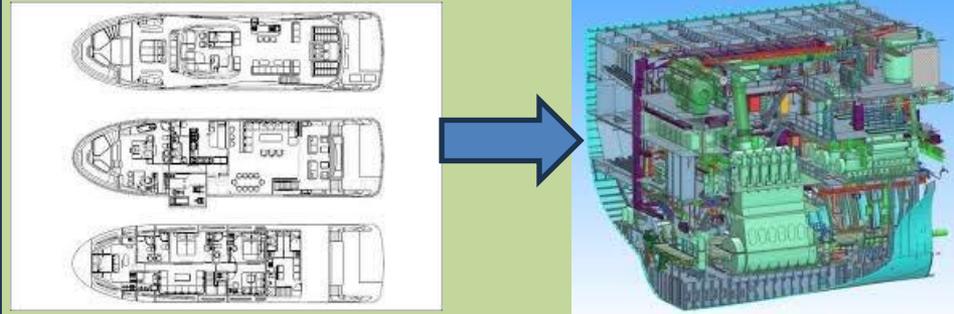
# Opportunities



## Technical Library



## 2D to 3D Artifacts



## Condition Based Maintenance



## Digital Twin





# Questions - Discussion



## 2022 ANNUAL REPORT

SURFACE FORCES LOGISTICS CENTER

### SFLC



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to support the Fleet**



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# Backups



# LREPL Fleet of Responsibility



## Alameda, CA

- BERTHOLF (750)
- WAESCHE (751)
- STRATTON (752)
- MUNRO (755)

## Kodiak, AK

- ALEX HALEY (39)

## Charleston, SC

- HAMILTON (753)
- JAMES (754)
- STONE (758)

# 12 Hulls

## Seattle, WA

- HEALY (20)
- POLAR STAR (10)

## Honolulu, HI

- MIDGETT (757)
- KIMBALL (756)

<https://vimeo.com/529457207>

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# MECPL Fleet of Responsibility



## EAGLE (1)



New London, CT

## WMEC 210' (13)



Virginia Beach, VA: 2  
 Jacksonville, FL: 1  
 Port Canaveral, FL: 2  
 St. Petersburg, FL: 2  
 Pensacola, FL: 3\*\*  
 Warrenton, OR: 2  
 Port Angeles, WA: 1

\*\* Dropped to 3 after decomm of DECISIVE in March 2023

## WMEC 270' (13)



Newport, RI: 2  
 Portsmouth, VA: 9  
 Key West, FL: 2



# 27 Hulls

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# PBPL Fleet of Responsibility



87' CPB (60\*)



154' FRCs (53\*\*)



110' WPBs (5)



\* Includes 4 CPBs in MFPUs

\*\* Includes 6 WPCs in Bahrain

## 118 Hulls

Add'l WPCs expected in 2023:

William Sparling (1154): Sep, Boston

Melvin Bell (1155): Nov, Boston



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# IBCTPL Fleet of Responsibility



Class	86 Cutters 29 Barges	62 Homeports 33 States & Guam
WLBB	MACKINAW	Cheboygan
WLB 225'	16 cutters	14 homeports
WLM 175'	14 cutters	14 homeports
WLIC 100'	SMILAX **	Atlantic Beach
WLIC 160'	4 cutters	4 homeports
WLIC 75'	8 cutters	7 homeports
WLI 100'	2 cutters	2 homeports
WLI 65'	2 cutters	2 homeports
WLR 65'	6 cutters	6 homeports
WLR 75'	12 cutters	12 homeports
WTGB 140'	9 cutters	8 homeports
WYTL 65'	11 cutters	9 homeports



## 86 Cutters

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# SBPL Fleet of Responsibility

1,734 Hulls (July '23) / 52 Boat Classes / 261 Locations / 551 Units



924 boats  
(53%)  
are in 6  
classes  
(red boxes)

## ATON BOATS



64' AtoN Boat



55' AtoN Boat



49' BUSL



26' TANB (90)



20' AB-S



16' AB-SKF

## CUTTER BOATS



38' ASB



38' LCVP



35' LRI-II



26' CB-L-Polar



26' CB-OTH-IV (117)



26' MSB



24' CB-ATON-L



24' CB-L



23' CB-L



23' CB-OTH \*



21' CB-S



20' CB-L



19' CB-L



18' CB-ATON-M



18' CB-M



17' CB-M (77)

## RESPONSE BOATS



47' MLB (117)



45' RBM (174)



33' SPC-LE \*



32' TPSB



29' RB-S (349)

## SPECIAL PURPOSE CRAFTS



64' SPC-SV



52' SPC-HWX



42' SPC-NLB



38 SPC-TB



36' SPC-BTD



24' SPC-SW



22' SPC-AIR



(SKF) Flood relief

## NON-INTEGRATED BOATS

As of June 14, 2023:  
88 newly acquired  
boats in several  
classes added, not  
illustrated here.

- 18' CB-S (WLR) (being replaced w/21' BX-S)
- UTM
- SKF – ICE
- UTL-AUX
- CT – 64 (CGA T-Boats)

- SB (CGA)
- SPC – TTB (HITRON)
- TANB
- 23' UTL (WLB/WLBB/WLM)
- TPSB (SURVEY)

\* 2 Types

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