

EXTERIOR CORROSION CONTROL Anti-Rust Program



ACCOMPLISHMENTS AND FUTURE NEEDS

June, 2026

Distribution A: Approved for Public Release

Corroding Warships are Unacceptable

Rust is More Than Cosmetics:

- Degrades Mission Capability
- Consumes Resources
- Impacts Morale



The Value: Investing in Corrosion Control Provides a Clear Return on Investment

Tangible results :

- **Readiness & Appearance**
- **Increased Operational Availability & Reduced Lifecycle Costs**
- **Improved Sailor Quality of Life**



Attacking corrosion on two fronts:

CCAT (Traditional)

- Training of Ships Force
- Tools Distribution
- Technical Expertise
- Technology Transition



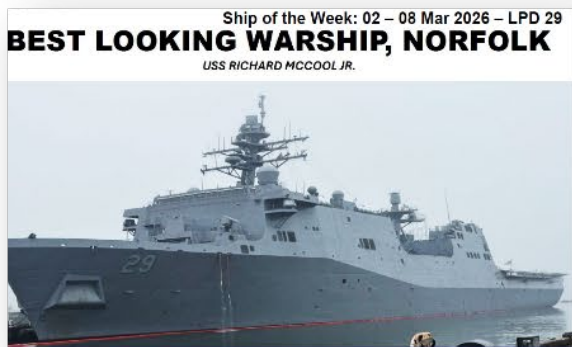
CCAT Prime (C 2 Prime) – SWARM Teams

- Performing Coating and Corrosion Control production work reduce rust runners and implement lasting improvements
- Rapidly employing new technology on ships



What we are doing –

- Focusing on ship corrosion mitigation and reducing schedule risk during depot level maintenance
- Improving Shipshape & Seaworthy Report Scores
- The Anti-Rust Team is making difference



Immediate Results: Visible Lasting Impacts

The “SWARM Teams”

Delivering Results:

- SWARM Team
- Dozens of Ships Worked
- Technology Introduction

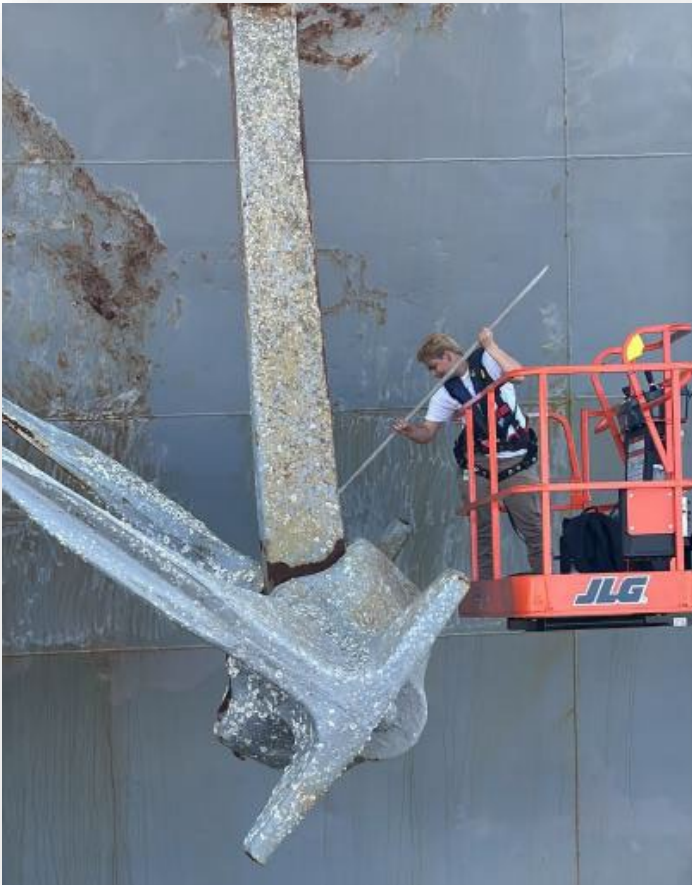
SWARM Initiative – Corrosion Control on Warships
Swift **W**arship **A**ction on **R**ust **M**itigation

What do we do – Eliminate Running Rust



What do we do - Preservation

Before



After



NAVSEA
NAVAL SEA SYSTEMS COMMAND

What do we do - Cleaning

Before

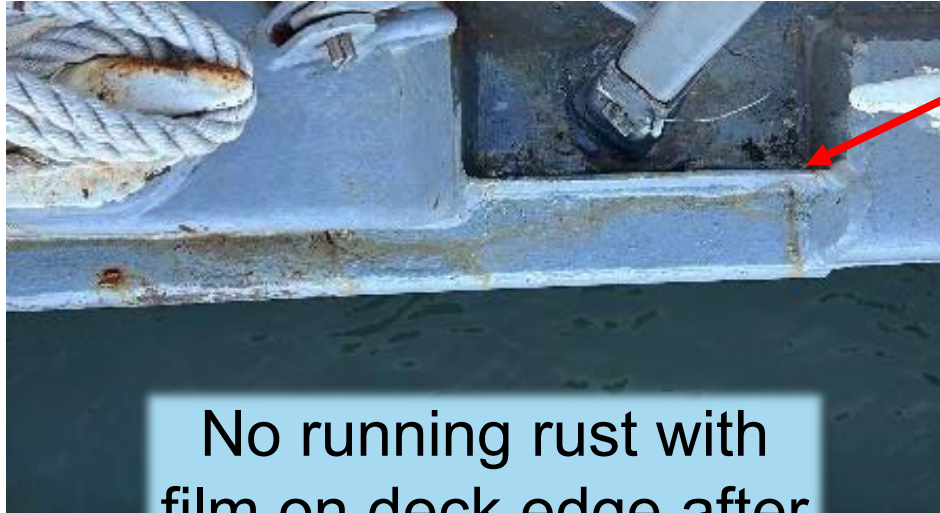


After Cleaning



After

What do we do – Paint Protective Film (PPF)



No Film
Installed

No running rust with
film on deck edge after
4 months



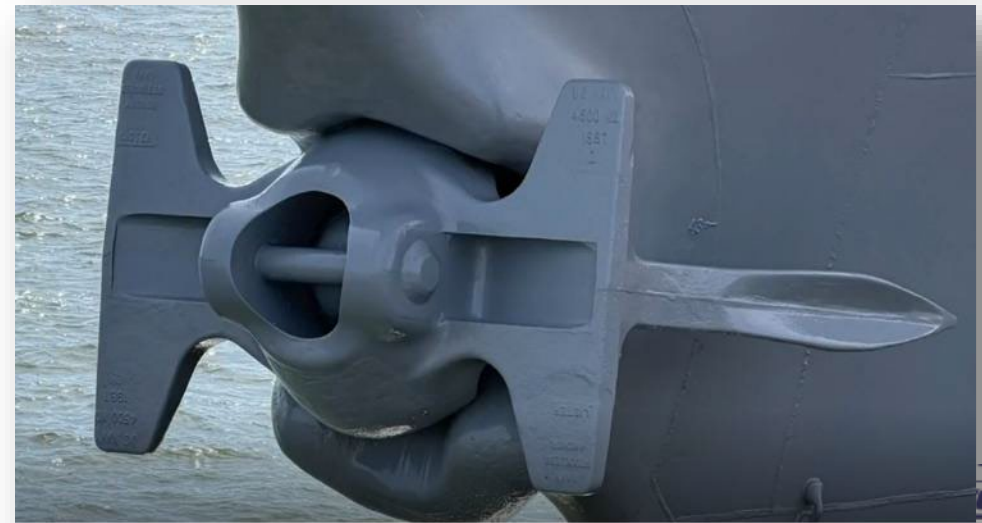
Film
Installed



What do we do – Introduce Technology: Laser



What do we do – Induction Heating



What do we do – Additive Manufactured Components



Before Scupper

After Scupper



What do we do – Advanced Coatings



After
Surface
Prep



After
Coating

What do we do – Fluidized Bed

Before



After



Before



After



Before



After 

What can I say to the Anti-Rust Team?

Thank you!

Get on the Anti-Rust Team:

- What do we need?
 - Problem solvers with better ideas
 - New coatings
 - New technology
 - Improved processes
 - Component Manufacturing
 - Industry & Government partners
 - Waterfront support
- How do you get on board?

Get on the Anti-Rust Team: Come Show Your Solutions!

- Industry Day
 - July 14-15
 - Norfolk, VA
 - Interactions with demonstrations

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Questions

