AOC
Engineering Solutions

CAPABILITIES OVERVIEW

Engineers on the deck plates.

Abbott On Call is a woman-owned engineering firm founded in 2002. Our naval architects, marine and systems engineers, and inspectors work for vessel owners, shipyards, Navy and Coast Guard program offices. With no shipbuilder or OEM affiliation, we work for you. Three conversations start here:

Marine Design, Inspection & Commercial Services

Vessel engineering and inspection for owners and yards.

Design · Stability · Structure · Modifications · Class · Trials · Owner's Representative

→ Ask for the Marine Design handout

Autonomous Maritime Systems

Independent engineering and test for unmanned surface vessels.

Production inspection · Integration · Launch & recovery · Test · Readiness Assessments

→ Ask for the Autonomous handout

HM&E Open Systems Architecture & Systems Engineering

Modular vessel integration and interface control.

Requirements · Interface Control Documents · Configuration · Verification · Lifecycle

→ Ask for the HM&E OSA handout



750+
Small USVs inspected in production, acceptance and warranty

200+
Ship visits since 2011 verifying LCS interfaces

9 ships
Commercial cable fleet under continuous naval architecture support

~40
Engineers and inspectors, all cleared Secret; two PEs

www.aocinc.net · **info@aocinc.net** · **703-992-8020**

Woman-Owned Small Business

What this means for your yard or fleet

The disciplines we apply to Navy programs and independent design review, stability and structural analysis, construction oversight, class society submittals, engineering special studies, and acceptance trials, are available to shipyards, boatbuilders, offshore operators, and passenger-vessel fleets on a direct commercial contract. For builders: bid-stage calculations, weight and trim checks before launch, and inspectors who help correct findings on the spot.

Proof in practice - Navy

To protect watercraft during launch and recovery on the Independence-variant LCS, AOC assessed impact velocity and energy, selected the material, prototyped and demonstrated the fender, produced the installation drawings and rode the test event. Rated Exceptional for quality in CPARS on the NSWC Carderock contract.

Proof in practice - Commercial

For the Maryland Department of Natural Resources, AOC wrote the specification and RFP for the M/V Eddie Somers, a 90-foot icebreaking buoy tender, evaluated bids, reviewed the design, oversaw construction and led acceptance trials including the inclining. Delivered May 2022 to ABS, ABYC and CFR rules.

How we work

Independent

No shipbuilder or OEM affiliation. We don't build or sell what we inspect, and we say up front whether we work for the owner or the program office.

On the waterfront

Engineers near the work: San Diego, Mobile, Mayport, Norfolk, Marinette, Baltimore, Annapolis, Miami; on the deck plates for inspections, test events, and trials.

Prime contractor

Prime to NSWC Carderock Division for HM&E Open Systems Architecture & Systems Engineering, rated Exceptional for quality in CPARS.

Traceable

Every finding traced to a requirement and a source document; every product through peer review, management review and a government review draft before it ships.

Who we work for

Commercial & state

- SubCom - fleet naval architecture for nine cable ships
- Maryland Department of Natural Resources - owner's representative
- Triton Systems - craft design technical data package
- Hawthorne Cat

Government

- U.S. Navy - NAVSEA program offices and the Naval Surface Warfare Centers
- U.S. Coast Guard - Office of Boat Forces, boat construction inspection
- Military Sealift Command

Certified Woman-Owned Small Business · Secret facility clearance · CMMC Level 2 · GSA OASIS+ SB · SeaPort-NxG · CAGE 1W6Y9

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