

Press Release

For Immediate Release

National Shipbuilding Research Program Announces \$5 Million in New R&D Project Awards

September 25, 2026-- The Executive Control Board of the [National Shipbuilding Research Program](#) (NSRP) selected a new round of R&D projects for award, as part of the Program's continuing mission to employ a unique collaborative framework to research, develop, mature, and implement industry-relevant shipbuilding as well as sustainment technologies and processes, improving efficiency and throughput across the U.S. shipyard industrial base to meet demand. The two projects, valued at \$5M in government funding and industry cost share, were among those proposed in response to a Research Announcement issued on April 15, 2026. Abbreviated descriptions follow; prime contractors are listed first and noted in **bold text**:

Demonstration of the Cyber-Ready Ship Delivery Framework for Rapid RMF Qualification

American Bureau of Shipping, General Dynamics – NASSCO, General Dynamics – Bath Iron Works, Fincantieri Marinette Marine, Austal USA, Siemens, Wartsila, PAE Maritime, United States Coast Guard, MARAD, MSC

Duration: 24 Months

Objective:

ABS and participating shipyards will turn the 2024 cyber-ready ships framework into a demonstrated, technology enabled delivery method for government ship construction. The project will produce validated workflows, standardized artifact packages, and automated evidence tooling, including Software Bill of Materials (SBOM) integration, threat modeling templates, and vulnerability correlation, to reduce manual burden and give government reviewers a complete, traceable, machine-readable delivery package. Active shipyard pilots will prove the method at vessel scale and align it with DoD priorities for continuous authorization (cATO) and zero trust for operational technology, informed by ABS's ongoing RMF assessment and zero trust work on government vessels.

Automated Requirements Verification and Validation for Shipbuilding

Stell Engineering, Austal USA, Fincantieri Marinette Marine, AuroslQ, ShipConstructor Software USA

Duration: 18 Months

Objective:

This project addresses this requirement coordination problem by connecting three platforms using systems readily available in the Shipyard Industrial Base: Stell for requirements management, AuroslQ for model-based verification, and SSI's ShipbuildingPLM for document research and validation. This project will build the first integrated Verification & Validation (V&V) hub in a production shipbuilding environment. Using authenticated REST (Representational State Transfer) integrations, Stell will send each requirement to AuroslQ, which will provide geometric and structural checks against the ShipConstructor 3D model and return a structured pass/fail result to the engineer/designer. At the same time, the ShipbuildingPLM will return the calculations, test reports, and inspection records linked to that same requirement as validation evidence to Stell. Both results surface on a single requirement record from Stell, so engineers see live V&V status without having to manually maintain a verification matrix. This proposed architecture is yard- and program-agnostic and extensible across the United States Navy (USN), United States Coast Guard (USCG), Military Sealift Command (MSC), Maritime Administration (MARAD), and commercial fleets globally. This NSRP project will produce the first reusable implementation pattern for connected requirements intelligence in shipbuilding, and sets the industry baseline for what model-aware V&V should look like.

Questions? Contact the NSRP Team at: nsrp@ati.org or visit the NSRP website at: www.nsrp.org