

NAVY Transition Assistance Program

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NEED & CUSTOMER REQUIREMENT

Need: Develop a prototype riverine craft designed to maximize mission capability within transport constraints of the C-130 aircraft and MTRV MK 23 prime mover.

Value to the Warfighter: Improved ability for riverine craft operation in threat environments. Lighter hull weight will allow higher speeds, greater payloads, and increased survivability via armor solutions and shock mitigation.

Operational Gap: Current riverine craft were developed for USMC and NSW missions that do not fully represent USN CONOPs addition of systems to baseline platforms have resulted in reduced performance and payload capability and are at transport limits. Bottom damage in theater is also contributing to reduced performance.

Customer Specifications: Maximize craft capability within the transportation constraints of current craft.

Technology Description: Light weight structurally robust laminates have been developed that will save significant weight compared to existing aluminum craft without compromising damage tolerance.

TECHNOLOGY DEVELOPMENT MILESTONES (SBIR/STTR)

Milestone	TRL	Risk	Measure of Success	TRL Date
Phase I - Developed armored hull structure designs	3	Low	Proof of concept - less weight than aluminum hull	7/17/07
Phase II - development and testing key components	4	Moderate	feasibility of components demonstrated	10/31/09
Phase II option - develop prototype demonstrator	5	Moderate	successful prototype test	6/09/10

Open contract: N00024-08-C-4131 ending 6/9/10

N06-128 - Seemann Composites, Inc.

SBIR Phase 2: Riverine Assault Support System

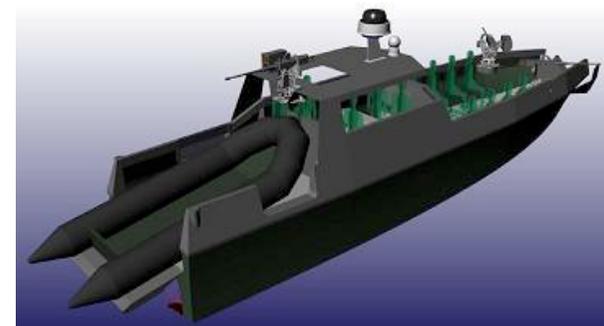
SPONSORSHIP of original SBIR/STTR Topic

SYSCOM: NAVSEA

Transition Target: TBD

Original Sponsoring Program:
PEO Ships: PMS 325G

TPOC Phone Number:
(757) 462-3503



TECHNOLOGY TRANSITION OPPORTUNITIES (PHASE III)

Other Potential Applications:

Riverine, SOCOM, Coast Guard, Department of Homeland Security

Business Model:

Transition this technology to a production ready product, to be produced by SCI.

Objective:

Relationships and funding opportunities sought for funding for second demonstrator craft using lessons learned from Advanced Composite Riverine Craft Prototype (ACRC). To apply technology to other larger platforms where weight savings could dramatically improve performance.