



National Shipbuilding Research Program

Program Update

Product Design & Materials Technologies
Panel Meeting

February 11, 2009
National Harbor, MD

Program Funding and Ops: 2009 & beyond

- **FY 2009 Funding**

- Not in Navy budget & no Congressional add
- PEOs (Ships, Carriers) have committed \$4.5M
- \$700K for Documents for Ship Cost Reduction (Specs initiative)

- **ECB Spending Decisions To Date**

- Phase 2 of all ongoing major projects except two
 - » Go/No-Go's for 4 projects done at 1/27 ECB Meeting – all GO
- Shipyards' engagement in Navy Product Data Initiative
- New round of panel projects
 - » \$777K, 9 projects covering 8 panels
 - » 4 additional projects on standby pending receipt of more funding
 - » Details follow...

NEW Panel Projects

2008 Selected Panel Projects			
Project	Participants	Panel	NSRP Funding
Risk Reduction in the Primary Scantling Design and Approval Process for Structurally Complex Vessels	NASSCO, ABS	PDMT	\$99,876
Implementation of Navy Standard Welding Procedures	Edison Welding Institute, NGSB-NN	Welding	\$97,014
Retention of Pre-Construction Primer	Atlantic Marine, Elzly Technology Corporation, NASSCO, BIW, NAVSEA 05P23, NGSB-Gulf Coast	SPC	\$91,580
Developing Emissions Factors for Electrodes Commonly Used within the Shipbuilding Industry for use in Regulatory Reporting	Concurrent Technologies Corporation, Penn State University Applied Research Laboratory, Softek Systems, Inc., BAE Systems Norfolk Repair, BIW	Env.	\$92,091
Assessing the Need for 50% Relative Humidity during Tank Painting	Elzly Technology Corporation, Desert Polymers, NASSCO	SPC	\$47,687
Ship Production Rigging Planning Guide	NASSCO, Bath Iron Works, Noran Engineering	SPPT	\$99,791
Performance-Based Language for Preservative Coating Removal in New Construction Shipyards	Bath Iron Works, Collier Scott Shannon PLLC, Electric Boat, NASSCO, Northrop Grumman Shipbuilding Newport News, Northrop Grumman Shipbuilding Gulf Coast, Shipbuilders Council of America	FTRM	\$59,200
Leadership 2010 - Improving Supervision	Alaska Ship & Drydock	Crosscut	\$89,800
Interim SCIM and STEP Implementation	Intergraph Corporation, NGSB-GC, NGIT, Product Data Services Corporation, NSWCCD	Systems	\$100,000
			\$777,039
Standby List			
Project	Participants	Panel	NSRP Funding
Pilot Tool for Linking Ship Design to Shipyard Simulation	Mississippi State University, ShipConstructor USA, VT Halter, Bollinger, Bender Shipbuilding, Todd Pacific, Atlantic Marine, Northrop Grumman - GC	SPPT	\$98,813
Comparison of SAW and Tandem Electrode Gas Shielded Processes for Productivity and Distortion in Thin Panel Butt Joints for Thin Panel Structures	Todd Pacific Shipyard, Nassco, CD-adapco, Weaver Engineering, Dwight Laboratories, Machinists Inc., ESAB, Wolf Robotics, Abicor Binzel Corp.	Welding	\$100,000
Cost-Effective Specifications and Requirements Definition	ABS, NASSCO, BIW, NGSB, Bollinger, Victoria Dlugokecki, Malone Consulting, Tedesco Consulting	PDMT	\$100,000
Vessel General NPDES Permit Applicability to Shipyard Vessels and Operations	BAE Systems Ship Repair Norfolk, CH2M HILL	Env.	\$28,000
			\$326,813

Electrical ~~Working Group~~ *Technologies Panel*

- **Both DPEO-Ships have expressed need for a group to address electrical problem areas in shipbuilding**
 - Recently IDed cableways, connectors, and splicing as particularly in need of greater efficiencies
- **7 ECB member yards reps IDed**
 - NGSB-NN Gary Zimak, Chair
 - NGSB-GC(A) Erik Bjorkner, Vice Chair
 - NGSB-GC(P) John Walks
 - BIW Greg Stevens
 - Bollinger Dennis Fanguy
 - EB Steve DiCarlo
 - NASSCO Ian Kelly
- **ECB approved forming a *NEW PANEL***
- **Major Initiative affiliation TBD**

Upcoming Meetings & Events

<u>Dates</u>	<u>Event / Location</u>	<u>Comments</u>
Feb 12-13	Int'l Electric Ship Design Symposium National Harbor, MD	ASNE/SNAME event
Feb 18-20	Environmental Technologies New Orleans, LA	Panel Meeting
Mar 10-11	ShipTech 2009 Biloxi, MS	ECB speakers NSRP booth
Mar 12	Electrical Technologies Biloxi, MS	Panel Meeting
Mar 22-26	Corrosion 2009 Atlanta, GA	
Mar 24-25	Surface Prep & Coatings Atlanta, GA	Panel Meeting

Upcoming Meetings & Events

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April 7-8	Welding (sponsored by ESAB Welding) <i>Hanover, PA</i>	Panel Meeting
April 8-9	ASNE Day 2009 <i>National Harbor, MD</i>	
May 6-7	Shipyards Production, Business, Systems, Product Design & Materials <i>San Diego, CA</i>	Joint Panel Meeting
Sept 15-17	NSRP All-Panel Meeting <i>Philadelphia, PA</i>	Joint Panel Meeting
Oct 21-23	SNAME Maritime Technology Conference & Expo <i>Providence, RI</i>	NSRP Booth

For More Information -- *New, Improved* Website!*

www.nsrp.org

The screenshot shows the homepage of the National Shipbuilding Research Program (NSRP) website. The header features the NSRP logo, the text "NATIONAL SHIPBUILDING RESEARCH PROGRAM" and "ADVANCED SHIPBUILDING ENTERPRISE", and a search bar. Below the header is the tagline "Reducing Naval Ship Construction & Repair Costs".

The main content area is divided into several sections:

- Navigation Menu:** A vertical list of links including Home, About Us, Project Information, Ship Production Panels, Events, Industry Initiatives, Key Downloads, Links, and Contact Us.
- Quick Links:** A section with links for Solutions, Small Business Opportunities, Navy Product Data Initiative, Project Information Requests, and Strike Up/Strike Down.
- Updates:** A section with links for New Project Information Posted, Project Book 2007, and Panel Meeting Presentations Now Posted.
- Major Program Initiatives:** A section with a large image of a "Portable Automated Bulkhead Straightener Demo" and a list of six initiatives: Shipyard Production Processes, Systems Technology, Business Process Technologies, Product Design & Materials Technology, Facilities, Tooling & Risk Management, and Crosscut Initiatives.
- About NSRP:** A section with a paragraph describing the program's mission and a map of the United States showing the locations of 12 major U.S. shipyards.

At the bottom of the page, there are logos for the U.S. Navy and the U.S. Shipbuilding Industry, and a footer with links for Home, Links, Site Map, and Privacy Policy.

Questions?