



National Shipbuilding Research Program

Program Update

Business Process Technologies, Shipyard Production
Process Technologies, Systems Technology & Product
Design and Materials Technologies
Joint Panel Meeting

December 10-11, 2008

New Orleans, LA

Program Funding and Ops: 2008 & beyond

- **FY 2009 Funding**

- Not in Navy budget
- Unlike last two years, no Congressional add
- PEOs have committed \$4-5M

- **ECB Spending Decisions To Date**

- Phase 2 of all ongoing major projects except one (decision on Mod & Sim II to be made later)
- 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

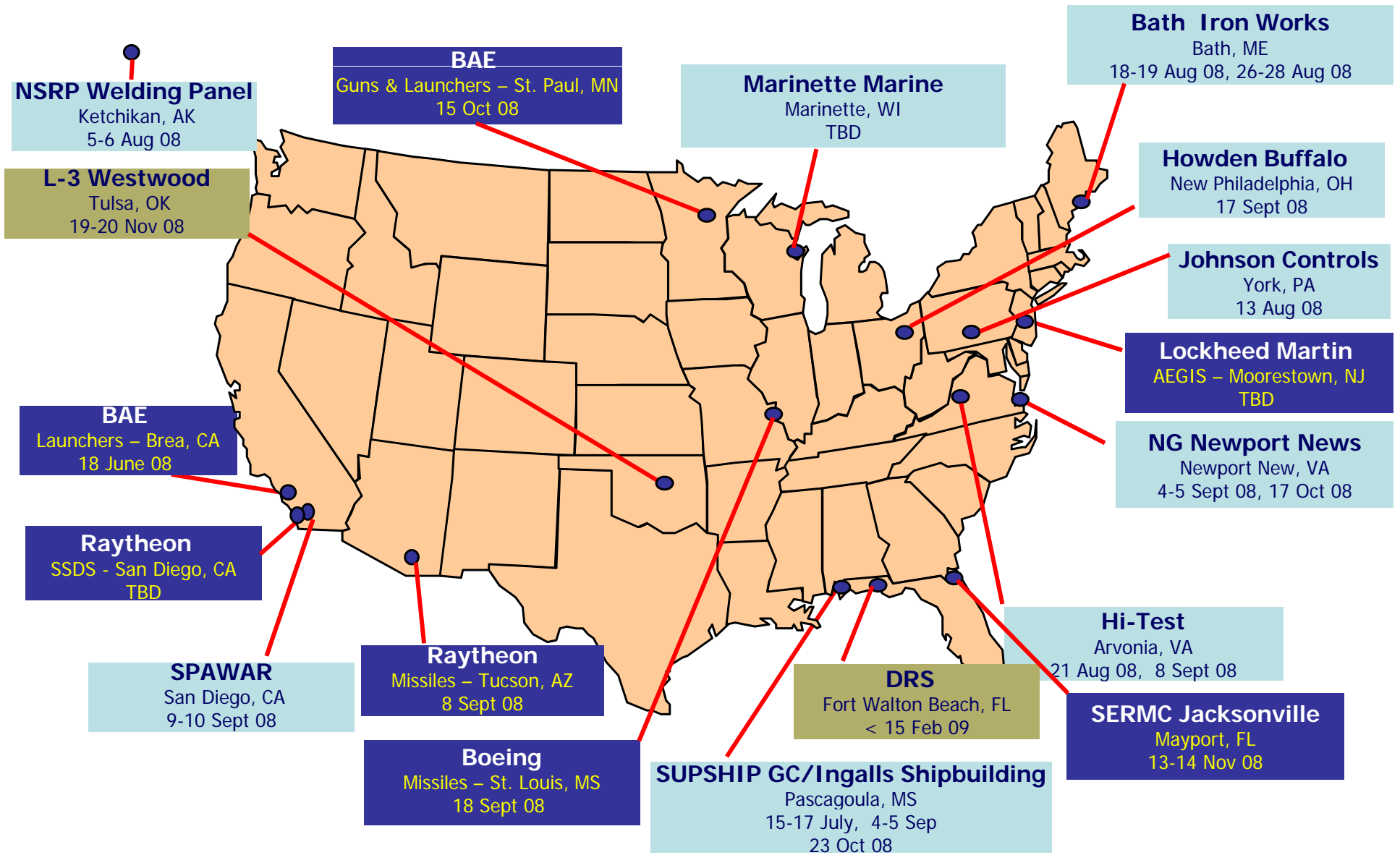
NAVSEA Specifications Analysis

- **Shipyard and Vendor visits by NAVSEA Teams in progress (next slide)**
- **NAVSEA has requested \$1.4M in funding for NSRP to fund shipyard participation into next year**

Additional Navy Initiatives

- **Shipbuilding Industry Supplier Cost Forum**
 - Concept developed w/i NAVSEA T-AKE Program staff
 - Still being researched
 - Potential Business, PDMT Panel involvement
- **SecNav-directed quality benchmarking**
 - Shipyards plus other manufacturing industries
 - ID best practices that might be adopted in shipbuilding

DSCR Site Visits (as of 1 Dec 08)



- 05P Visits
- 05W Visits
- 05Z Visits

“Walk the Factory Floors”

Electrical Working Group

- **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
 - NGSB-GC Greg Davidson
 - NGSB-GC Erik Bjorkner
 - BIW Dave Brooks
 - EB Stephen DiCarlo
 - NASSCO Ian Kelly
 - Bollinger George Hull
- **5 conf calls to date**
- **NGSB-NN hosted meeting - 30 July**
- **Soliciting reps from other NSRP member yards**

Upcoming Meetings & Events

<u>Dates</u>	<u>Event / Location</u>	<u>Comments</u>
Jan 13-15, 2009	Surface Navy Association Symposium <i>Crystal City, VA</i>	
Feb 3-4	Crosscut Initiatives Mobile, AL	Panel Meeting
Feb 11	Product Design & Mat'l Tech National Harbor, MD	Panel Meeting
Feb 12-13	Int'l Electric Ship Design Symposium National Harbor, MD	
Feb 18-20	Environmental Technologies <i>New Orleans, LA</i>	Panel Meeting
Mar 10-11	ShipTech 2009 <i>Biloxi, MS</i>	ECB speakers NSRP booth

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

www.nsrp.org

The screenshot shows the homepage of the National Shipbuilding Research Program (NSRP) website. At the top, the header features the NSRP logo, the text "NATIONAL SHIPBUILDING RESEARCH PROGRAM" and "ADVANCED SHIPBUILDING ENTERPRISE", and a search bar. Below the header is a navigation menu with links for Home, About Us, Project Information, Ship Production Panels, Events, Industry Initiatives, Key Downloads, Links, and Contact Us. A "Quick Links" section lists various resources like Solutions, Small Business Opportunities, and Navy Product Data Initiative. The "Updates" section highlights recent project information and presentations. A central image shows a "Portable Automated Bulkhead Straightener" with the caption "Portable Automated Bulkhead Straightener Doing a Success...". Below this is a "Major Program Initiatives" section with six categories: Shipyard Production Processes, Systems Technology, Business Process Technologies, Product Design & Materials Technology, Facilities, Tooling & Risk Management, and Crosscut Initiatives. The "About NSRP" section explains the program's purpose and lists participating shipyards. A map of the United States shows the locations of these shipyards. The footer includes a "Home Links Site Map Privacy Policy" link.

NATIONAL SHIPBUILDING RESEARCH PROGRAM
ADVANCED SHIPBUILDING ENTERPRISE

Reducing Naval Ship Construction & Repair Costs

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Navy Product Data Initiative
Project Information Requests
Strike Up Strike Down

Updates
New Project Information Posted
Project Book 2007
Panel Meeting Presentations Now Posted

CO-LEADER BY
the U.S. Navy and the
U.S. Shipbuilding Industry

NAVSEA
NAVAL SEA SYSTEMS COMMAND

Portable Automated Bulkhead Straightener Doing a Success...

Major Program Initiatives

- Shipyard Production Processes
- Systems Technology
- Business Process Technologies
- Product Design & Materials Technology
- Facilities, Tooling & Risk Management
- Crosscut Initiatives

About NSRP

The National Shipbuilding Research Program was created to reduce the cost of building and maintaining U.S. Navy warships. NSRP is a collaboration of 13 major U.S. shipyards focused on industry-wide implementation of solutions to common cost drivers. (For more information, click on map below.)

NSRP ASE

Home Links Site Map Privacy Policy

Questions?