



The Naval Undersea Warfare Center Division Newport

2 June 2009

Presented to:
National Small Business Conference,
Installation Opportunities Panel

By:
CAPT Michael W. Byman
Commander, NUWC Division Newport



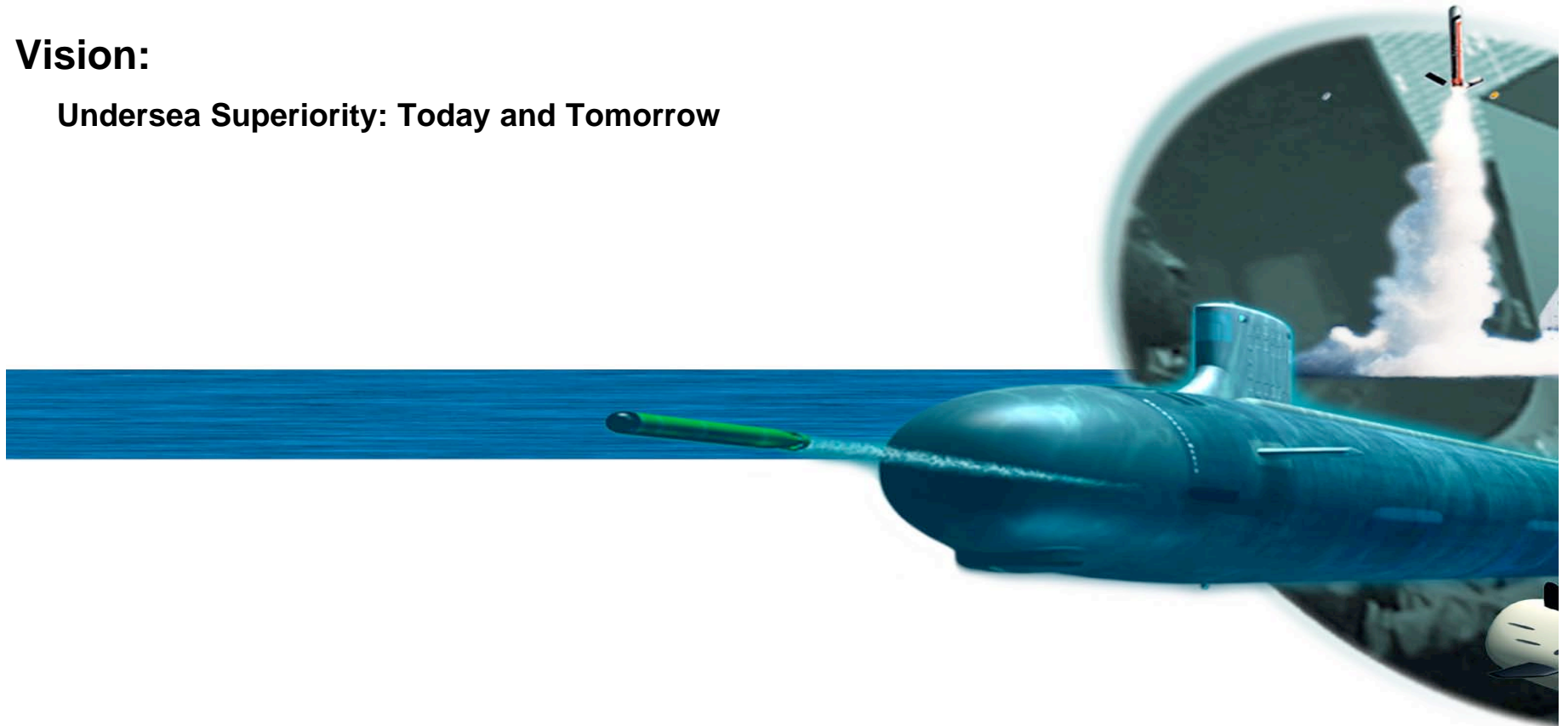
Mission and Vision

Mission

The Naval Undersea Warfare Center Division Newport provides research, development, test and evaluation, engineering, analysis and assessment, and fleet support capabilities for submarines, autonomous underwater systems, and offensive and defensive undersea weapon systems, and stewards existing and emerging technologies in support of undersea warfare. Executes other responsibilities as assigned by the Commander, Naval Undersea Warfare Center.

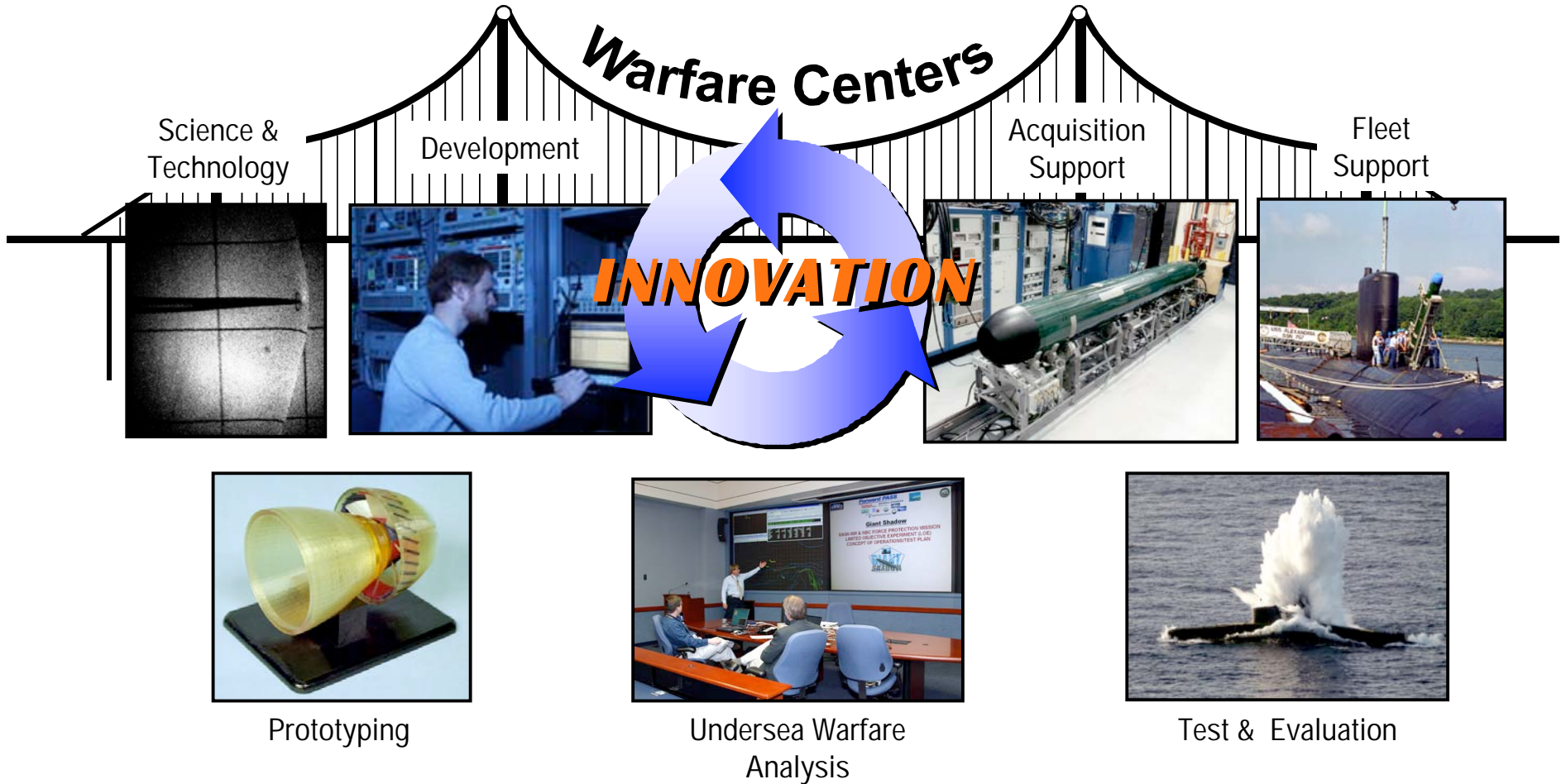
Vision:

Undersea Superiority: Today and Tomorrow







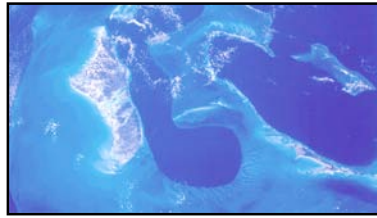



Working Together to Deliver the Best Solutions Quickly



Operating Principles: (1) Teamwork, (2) Integrity, (3) Accountability, (4) Initiative, (5) Respect



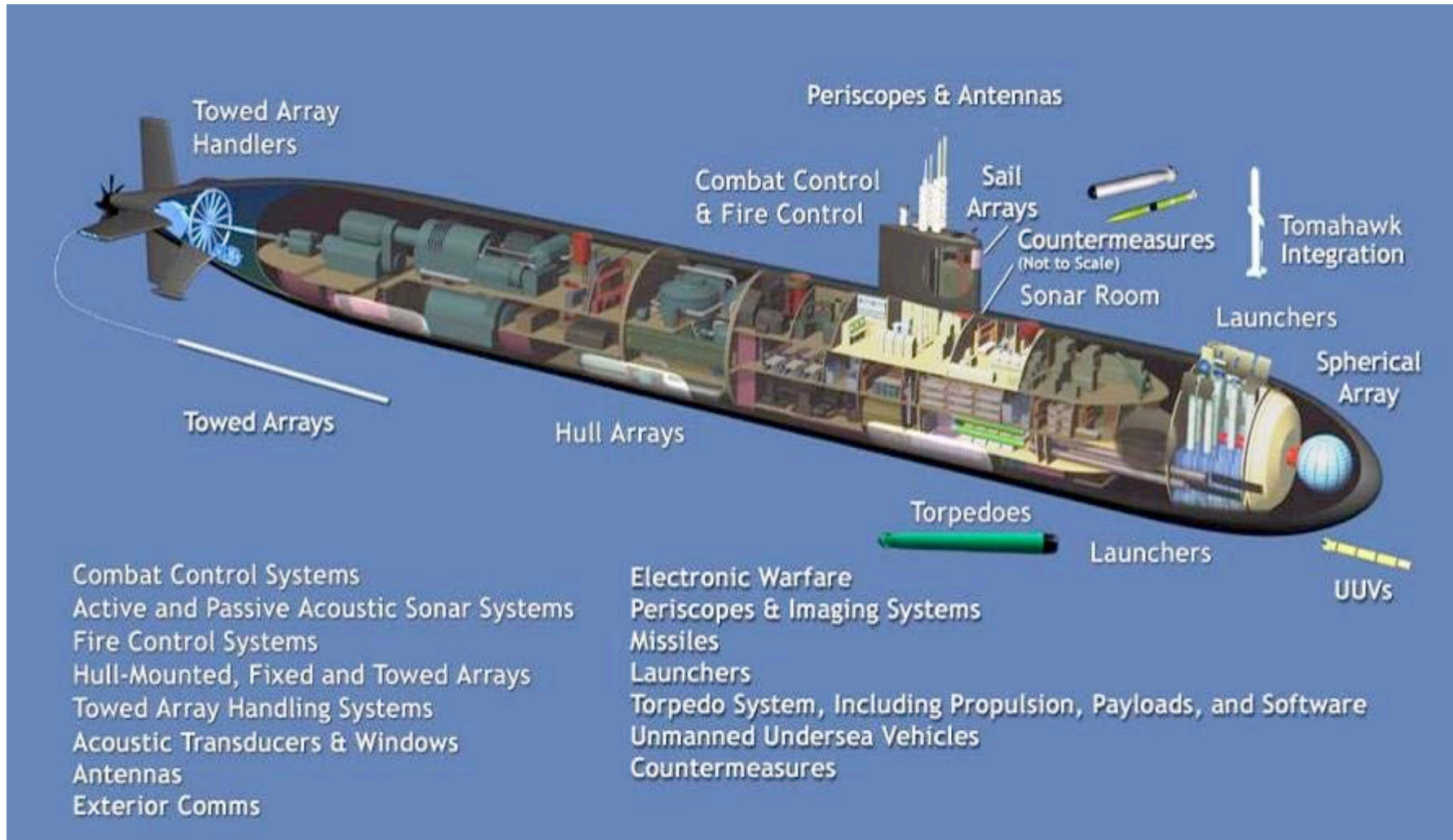
Division Newport: 140 Years Of Progress

1869	1945	1966	1970	Today
				
<p>Naval Torpedo Station at Goat Island 1869 - 1951</p> <ul style="list-style-type: none"> • Torpedo Repair • Torpedo Ranging and Testing • Torpedo School 	<p>Underwater Sound Lab New London, CT 1945 - 1970</p> <ul style="list-style-type: none"> • Pioneers in Sonar Systems Development 	<p>Naval Undersea Weapons Research and Engineering Station 1966 - 1970</p>	<p>Naval Underwater Systems Center 1970 - 1991</p> <ul style="list-style-type: none"> • Growth of Test and Evaluation Functions 	<p>Naval Undersea Warfare Center Division, Newport 1992 - Present</p> <ul style="list-style-type: none"> • Test and Evaluation • Engineering and Fleet Support • Autonomous Underwater Systems 

At the Forefront of Undersea Systems Development for Over a Century

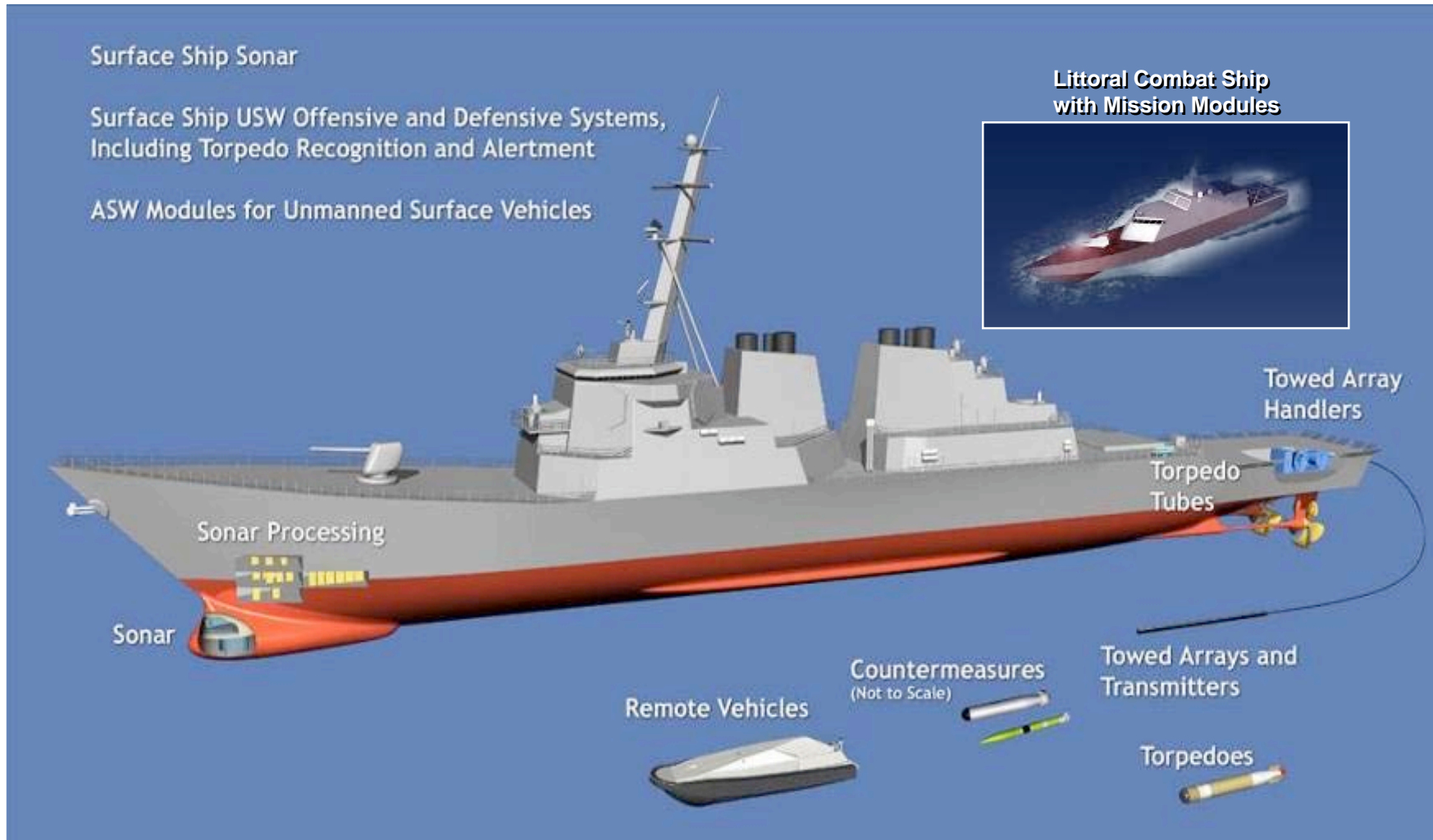


NUWC's Contribution to Submarine Technology





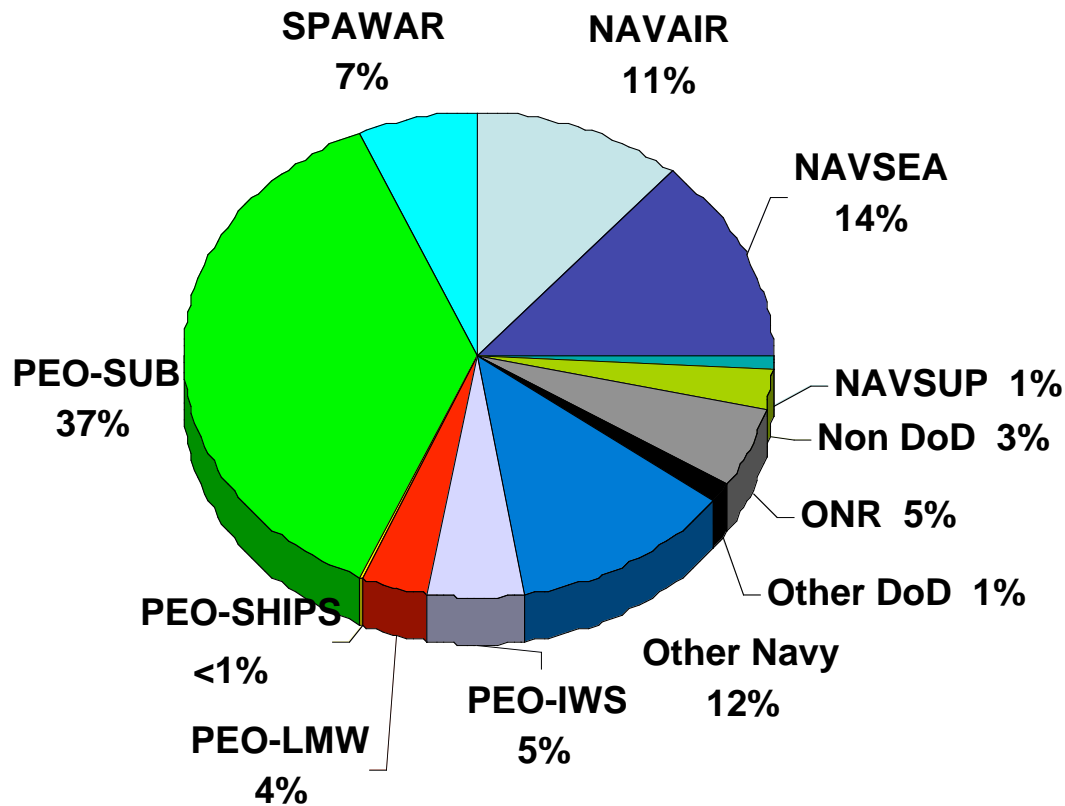
NUWC's Contribution to Surface Ship Technology





NUWCDI VNPT Customers

Our FY08 Customers
\$977.4M



Spectrum of Customers

- Fleet
- Program and resource sponsors
- Scientific sponsors
- Intelligence community
- Defense industry
- Non-defense industry
- Foreign Navies

We are a NWCF Activity

- We're not a congressional line item
- Customers decide whether to bring work to the Warfare Centers
- NUWC is accountable for efficient delivery of products and services

Provide Best Value to Our Customers



Small Business Opportunity Key Points of Contact

- **Mr. David Rego**
 - David.rego@navy.mil
 - 401.832.1766

- **Dr. Theresa Baus**
 - Technology Partnership Enterprise Office
 - Theresa.baus@navy.mil
 - 401.832.8728



Technology Partnership Enterprise Office (TPEO)

- **Partnerships and collaborations**
 - **Cooperative Research and Development Agreements (CRADAs)**
 - **Work for Private Party (WPP) agreements**
 - **Patent License Agreements**
- **Small Business Innovation Research (SBIR) & Small Business Technology Transfer (STTR)**
- **S&T Broad Agency Announcement (BAA)**

*Leveraging Partnerships and Collaborations to
Enhance Capabilities for the Warfighter*



Cooperative Research & Development Agreements (CRADAs)

- **Agreements between DIVNPT and one or more non-Federal parties to perform cooperative & mutually beneficial R&D consistent with the DIVNPT mission**
- **DIVNPT may provide personnel, services, facilities and equipment**
- **Non-Federal Collaborator may provide all of the above plus funds to DIVNPT**
- **Preference for small businesses**
- **Preference for businesses agreeing to manufacture products substantially in the U.S.**
- **Intellectual Property (IP) rights are covered in the agreements**



Navy Potential Contractor CRADA

- **Establishes need-to-know to gain clearance**
- **Replaces NPC program no cost contract agreements**
- **Company continues development of product or service and provides yearly report on progress**
- **Division files paperwork with DSS that starts clearance process**
- **Three years duration**
- **Up to SECRET**



Work for Private Parties (WPP)

- **Provides private party access to Government facilities and expertise**
- **Non-collaborative agreement**
- **Private parties pay the Government & must recover all costs of use of the facility and associated Government labor**
- **References for details:**
 - **10 USC 2539B (Test Services)**
 - **10 USC 2563 (Engineering Services)**
 - **10 USC 2681 (AUTEK Range Services)**
- **Cannot compete with industry – Government has to be the only source for the work/services required**



Patent License Agreements

- **Dual-use commercialization leverages NUWC's R&D**
- **Exclusive and non-exclusive licenses available**
- **License agreements in conjunction with a CRADA to support transition to commercial products**

To Date, NUWCDIVNPT has Licensed 103 Patents



SBI R & STTR

Program Descriptions

2.5%
*of extramural
R&D \$\$*

- **Small Business Innovation Research (SBIR)**
 - Set-aside program for small business concerns to engage in federal R&D -- with potential for commercialization (11 federal agencies required to participate)

0.3%
*of extramural
R&D \$\$*

- **Small Business Technology Transfer (STTR)**
 - Set-aside program to facilitate cooperative R&D between small business concerns and U.S. research institutions -- with potential for commercialization (5 federal agencies required to participate)

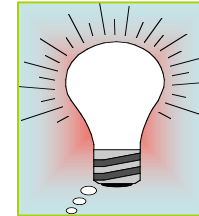
www.dodsbir.net



SBIR/STTR: 3-Phase Programs

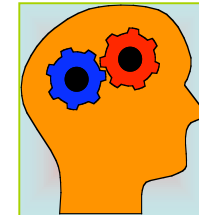
- **PHASE I**

- Feasibility Study
- ~\$100K for 6-9 months (SBIR) or 12 months (STTR)



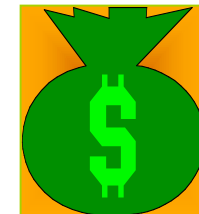
- **PHASE II**

- Full Research/R&D
- ~\$750K for 2 - 2.5 years (SBIR) or \$500K (STTR)



- **PHASE III**

- Transition Stage
- Use of non-SBIR/STTR Funds





Role of the Resident Division Newport SBI R/STTR Coordinator

- **Coordinate all steps in Division participation**
 - Topic calls
 - Proposal evaluation
 - Contract award
 - Funds allocation and expenditure
- **Advise & inform on effective program use**
 - Division scientists and engineers
 - Small businesses
 - Washington program managers
 - Prime contractors
- **Facilitate partnerships for transition**
- **POC:**
 - Mr. Jack Griffin, (401) 832-7283
 - John.F.Griffin@navy.mil

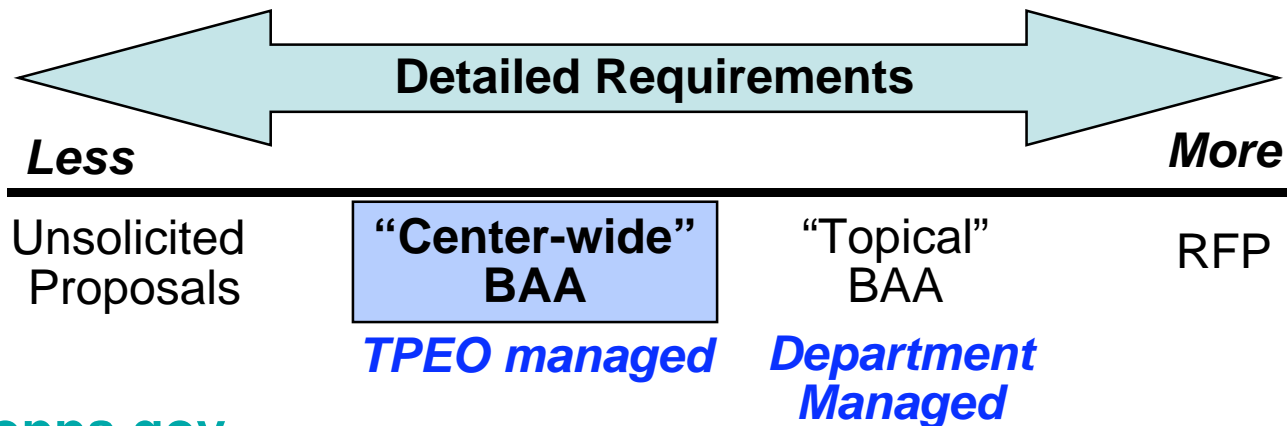


Science & Technology Broad Agency Announcement (BAA)

- Center- wide BAA (S&T focus) – always ‘open’ & currently posted – invitation to submit proposals

For better defined technical needs:

- Topical BAAs
 - Focused subject matter with more specific needs defined
 - published periodically (usually with a ‘closing date’)



www.fedbizopps.gov

For NUWC specific BAAs see ...

www.npt.nuwc.navy.mil/contract



TPEO Points of Contact

Technology Transfer Coordinator

- **Cooperative Research and Development Agreements (CRADAs)**
- **Mary Sylvia, mary.sylvia@navy.mil (401) 832-3339**

SBIR/STTR Program Coordinator

- **Jack Griffin, john.f.griffin@navy.mil, (401) 832-7283**

University & Industrial Programs

- **Education Partnership Agreements**
- **Center Wide S&T Broad Agency Announcement**
- **Intergovernmental Personnel Agreements**
- **NPC CRADAs**
- **Dr. Greg Jones, gregory.b.jones1@navy.mil, (401) 832-1681**



Collaboration on a Global Basis

