



# ***Naval Undersea Warfare Center Division Newport***

***Presented to:  
NDIA Small Business Conference***

***CAPT Mike W. Byman  
Commander, NUWC Division Newport***

***10 May 2006***



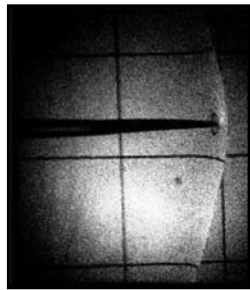
## ***NUWC:***



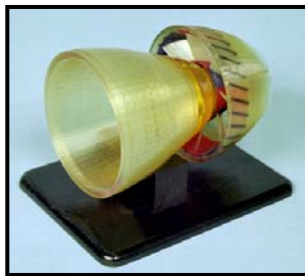
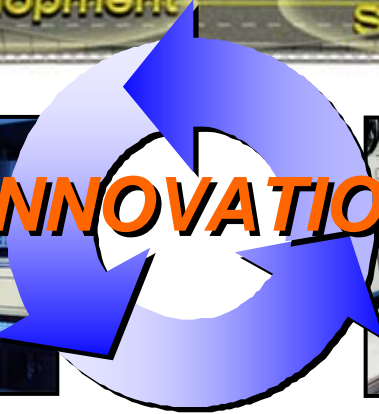
- **Navy repository of USW knowledge**
  - Unique disciplines not found in private sector
  - State-of-the-art tools and facilities
  - Highly trained and motivated workforce
  - Includes other warfare that “Come from Under the Sea”
- **Foundation for USW superiority**
  - Stimulates private sector
  - Extensive international relationships
  - Synergistic association with academia
  - Acquisition and Fleet intellectual support

**A Navy Core Equity**

# Undersea Warfare Superiority



**INNOVATION**



Prototyping



Undersea Warfare Analysis









Test & Evaluation

**Today and Tomorrow**



# Our Heritage



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

*At the Forefront of Undersea Systems Development for Over a Century*

# NAVSEA Warfare Centers' Divisions



## Newport



- USW Research & Development
- Sub and Surface Undersea Warfare Systems
- Engineering & Acquisition Support
- USW Range Development

## Keyport



- USW Weapons Test, Training & Evaluation
- Torpedo Depot/Industrial
- USW In-Service Support

## Crane



- Ordnance Test & Evaluation
- Surface Electronic Warfare Repair/Support

## Indian Head



- Energetic Systems

## Carderock



- Ship Integration & Design

## Dahlgren



- Surface Ship Combat Systems
- Amphibious Warfare Systems
- Strategic Systems
- Homeland Security

## Port Hueneme



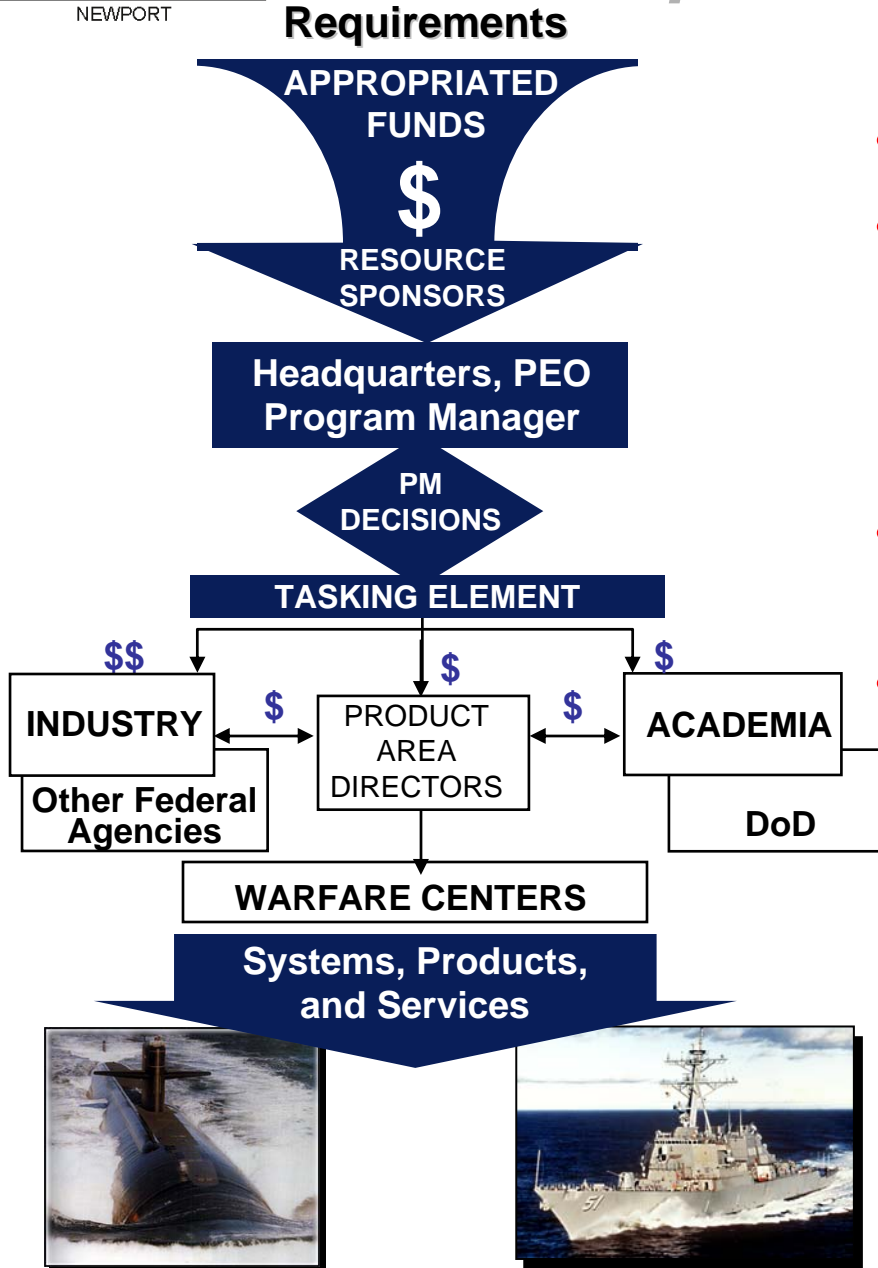
- Surface Ship Combat & Weapon Control Systems
- Air & Surface Surveillance & Detection Systems

## Corona



- Performance Assessment of Ship Systems

# We Operate As A Business



- We are not institutionally funded
- We need to attract program sponsors (customers)
  - Quality
  - Reasonable price
- Our viability depends on our budget provided by customers
- We sign a contract – responsible / accountable to our customers for quality / timeliness of product / services

**We run an efficient, cost effective business**



# Collaboration: Your success is our success



Stable, Long Term Investments  
-Stewardships-



Office  
of Naval  
Research  
Etc.



Service Laboratories/Centers

Basic Research, Fundamental  
Ideas, Scientific Talent Pool

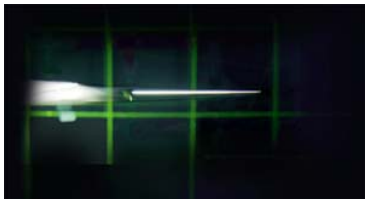
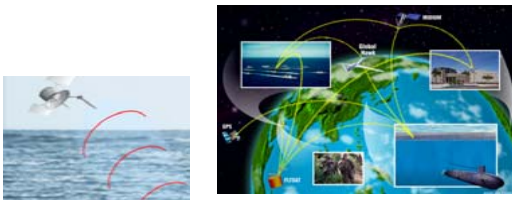
Educational Partnership  
Agreements +



Academia



High Risk, High Payoff R&D



U. S. Allies

Demo/Validation, Production



CRADA's



Industry

SBIR

IRAD