Naval Undersea Warfare Center
Division Newport

Presented to:
NDIA Small Business Conference

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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

<table>
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<tr>
<th>1869</th>
<th>1945</th>
<th>1966</th>
<th>1970</th>
<th>Today</th>
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| Naval Torpedo Station at Goat Island 1869 - 1951  
  • Torpedo Repair  
  • Torpedo Ranging and Testing  
  • Torpedo School | Underwater Sound lab New London, CT 1945 - 1970  
  • Test and Evaluation  
  • Engineering and Fleet Support  
  • Autonomous Underwater Systems |

At the Forefront of Undersea Systems Development for Over a Century
NAVSEA Warfare Centers’ Divisions

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

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

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

Indian Head
- Energetic Systems

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

Carderock
- Performance Assessment of Ship Systems

Corona
- Ship Integration & Design

Dahlgren
- Surface Ship Combat Systems
- Amphibious Warfare Systems
- Strategic Systems
- Homeland Security
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
Distributed Networked Systems

- **Comms**
  - Satellite
  - Acoustic
  - Speed & Depth
  - Multi-function Mast

- **Shooters**
  - Heavyweight Torpedoes
  - Lightweight Torpedoes
  - UUVs
  - Countermeasures
  - Weapon Launch

- **Sensors**
  - Acoustic
  - Distributed
  - Off-Board
  - On-Hull
  - Towed Arrays