

A Navy Perspective on UUVs

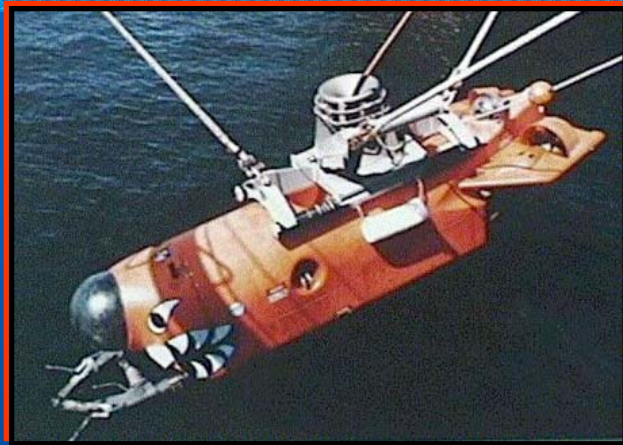
MARINE BOARD SPRING MEETING
6 MAY 2004

- **Robert Wernli – SSC SD and UUVs**
 - State of the Technology
- **Barbara Fletcher – UUV Master Plan**
 - Technology Development & Transfer
- **Richard Arrieta – Applications**



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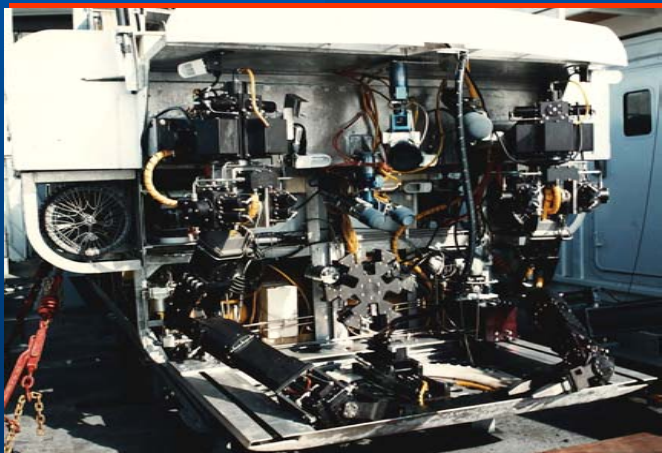
SSC SD's UUV Background



Mine
Neutralization
System



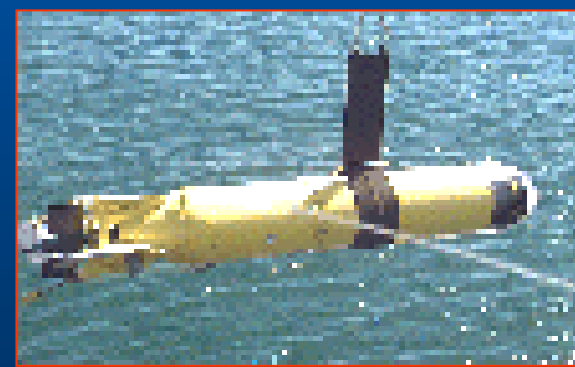
Advanced Unmanned Search System



Advanced
Tethered Vehicle



Launch & Recovery Cocoon

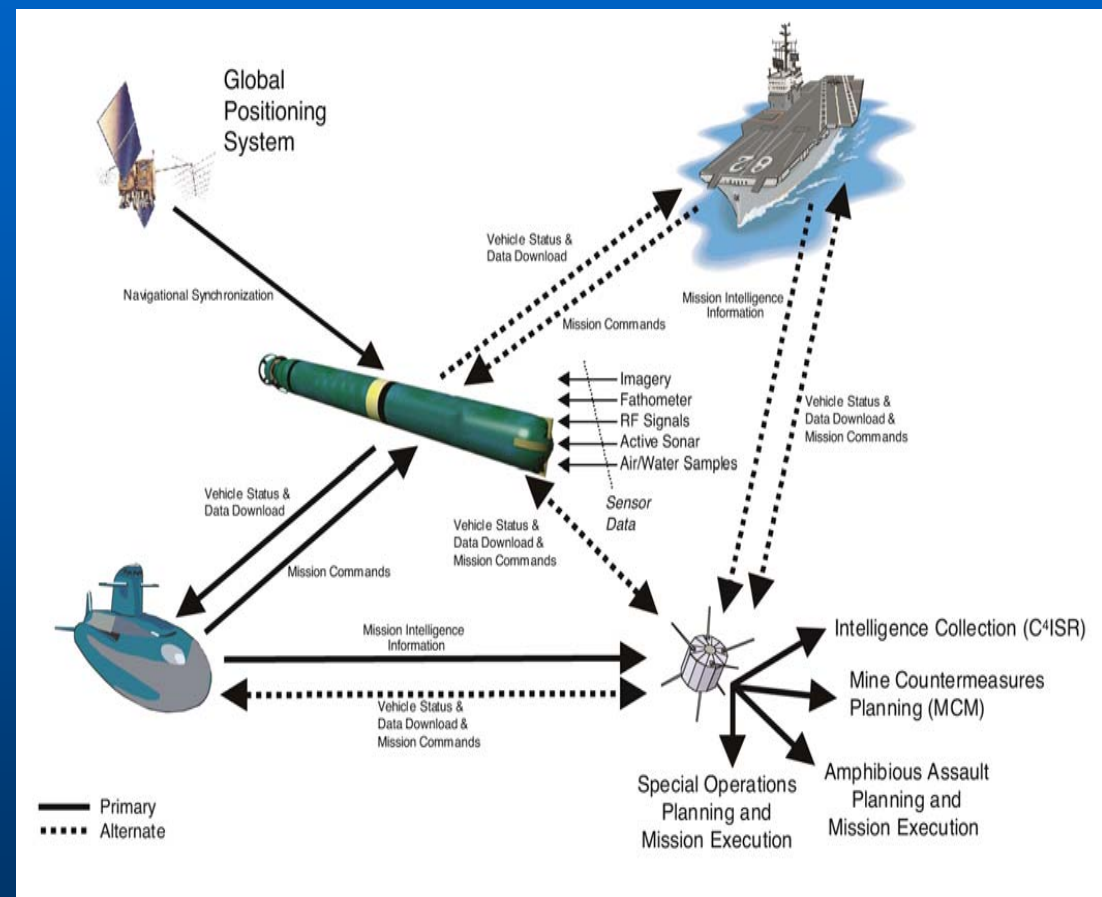


Flying Plug

- **Technology Support: PMS 403, PMS EOD, ONR**
- **Navy's UUV Master Plan Development**
- **Technology Transition – Industry, Academia, Government**
- **Long Range Planning – UUVs for C4ISR**



- The Integration of Unmanned Systems into The Fleet Requires More Than “Stovepiped” Programs
- Overarching Insertion of Critical UUV Technologies Is Required by “SEAPOW 21” and “FORCEnet”



MRUUV



SSC SD's Mission

The Navy's RDT&E, engineering and fleet support center for command and control, communications, ocean surveillance, and the integration of those systems which overarch multiplatforms





MOST EXISTING UUVs ARE:

- **LARGE**
- **EXPENSIVE**
- **MULTI-YEAR DEVELOPMENTS**
- **LIMITED IN NUMBER**



SEA HORSE



MANTA

LMRS



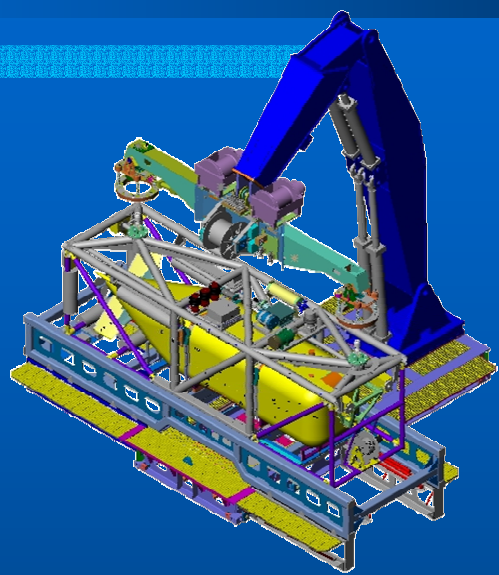


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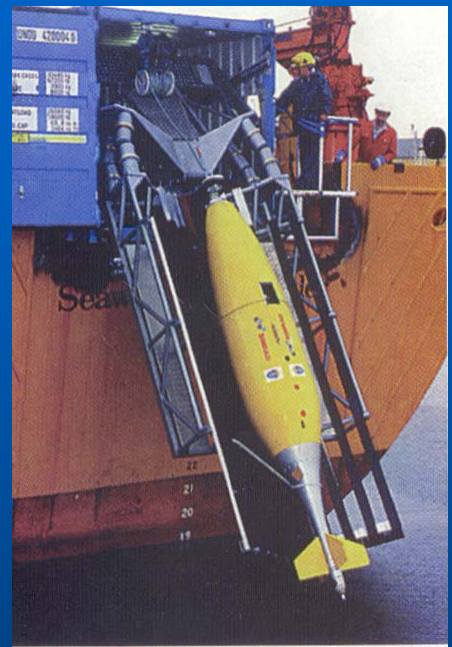
THE COMMERCIAL LINEUP



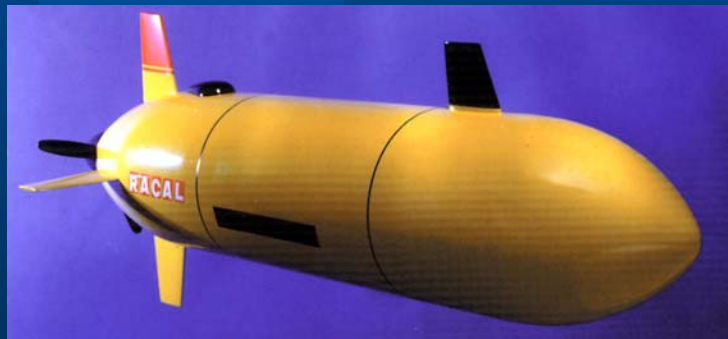
MARIDAN 600



ECHO RANGER



HUGIN



SEA ORACLE



AE 2



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THESE AUV GRANDPARENTS ARE STILL AVAILABLE OR WORKING



ARCS



AUSS

THESEUS



MUST LAB

