



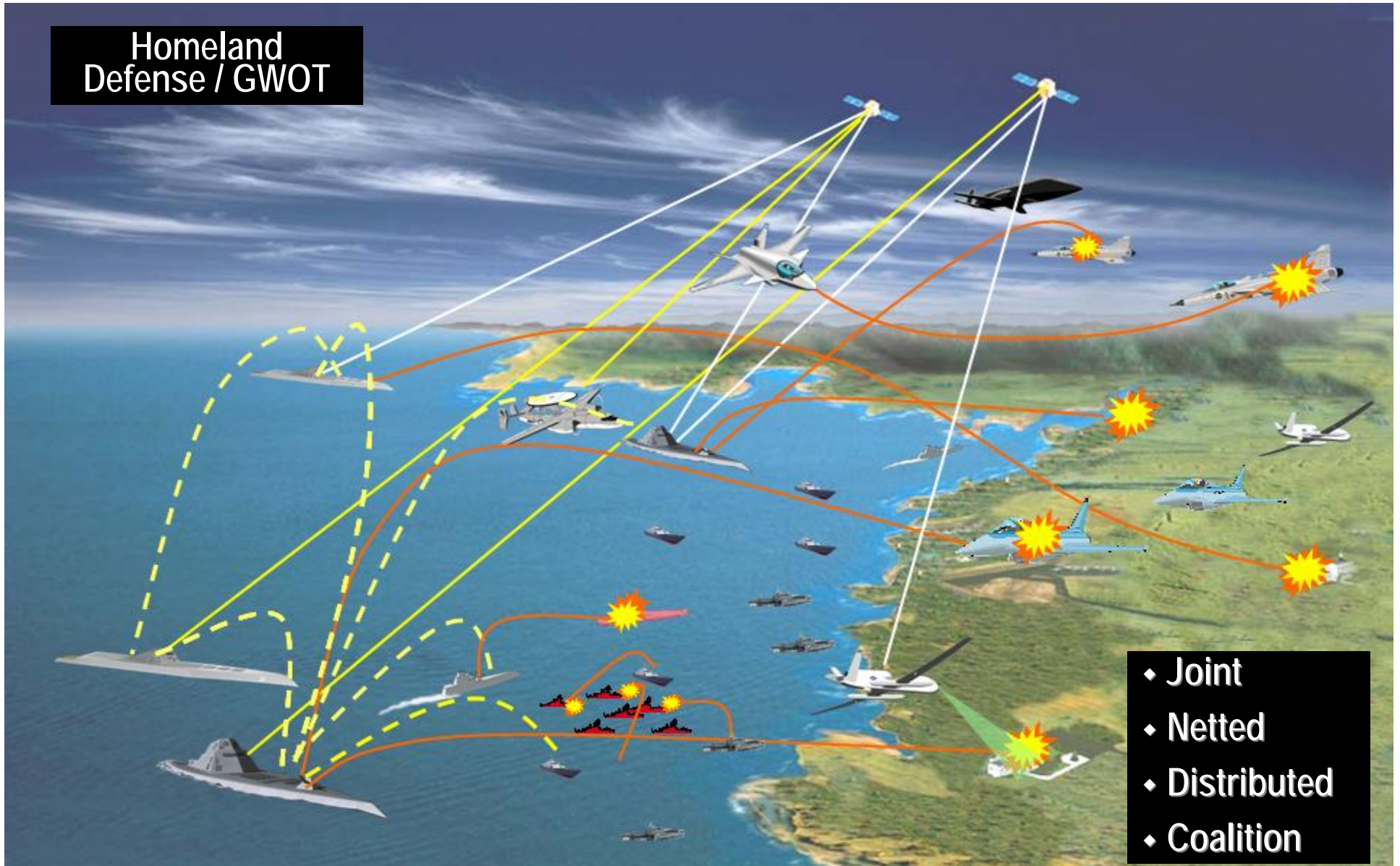
Littoral Combat Ship
Mine Warfare Association Conference
May 08, 2007

RDML Vic Guillory
Director of Surface Warfare
OPNAV N86



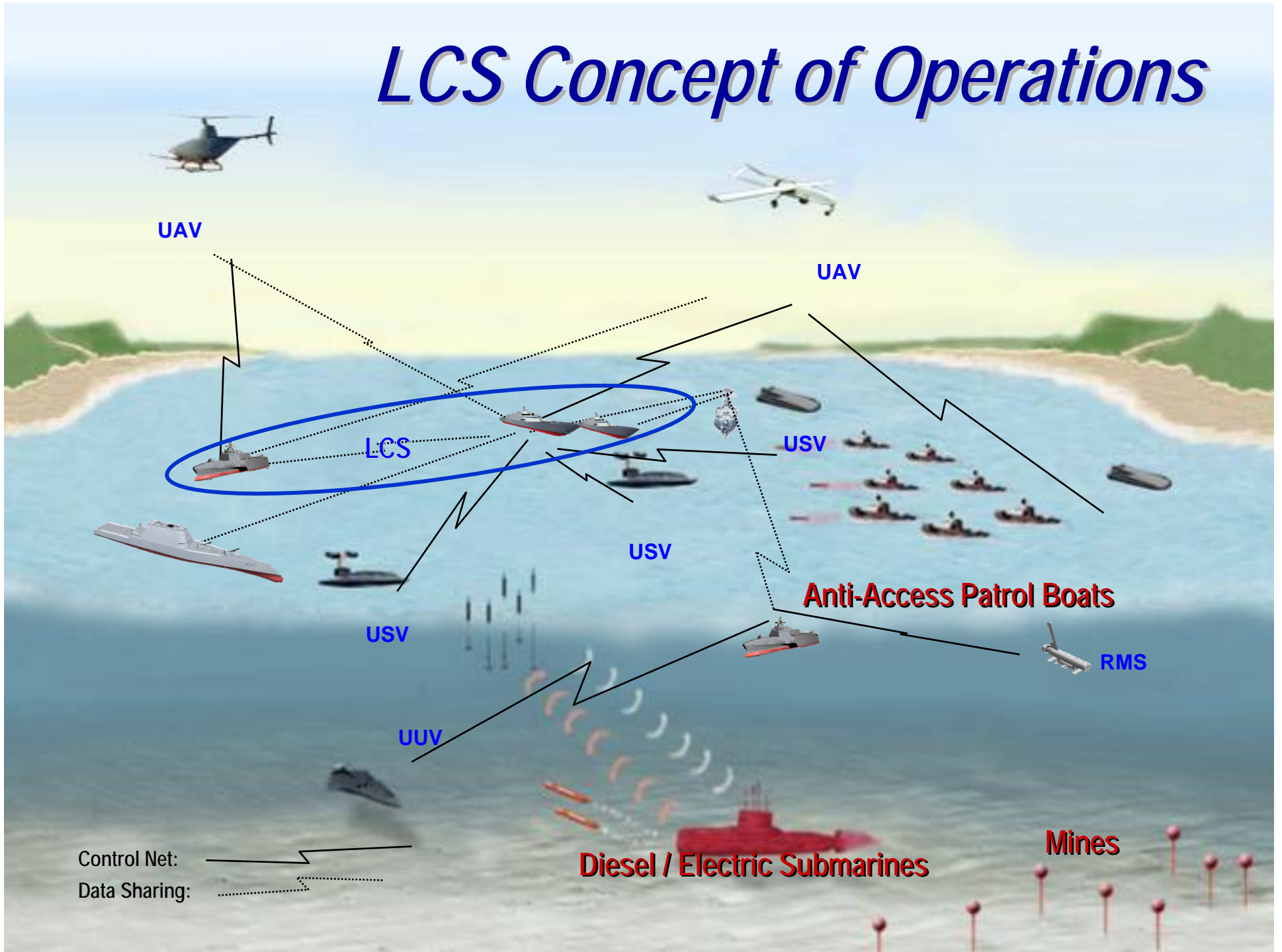
Surface Warfare's Contribution to the Joint Fight

Homeland
Defense / GWOT



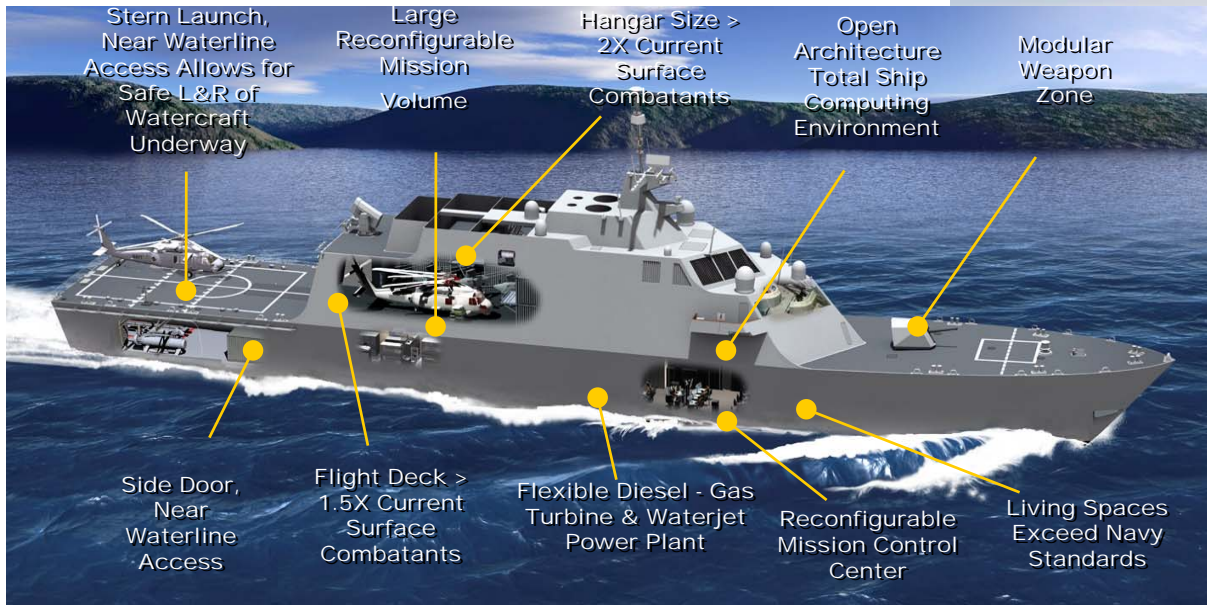
- ◆ Joint
- ◆ Netted
- ◆ Distributed
- ◆ Coalition

LCS Concept of Operations



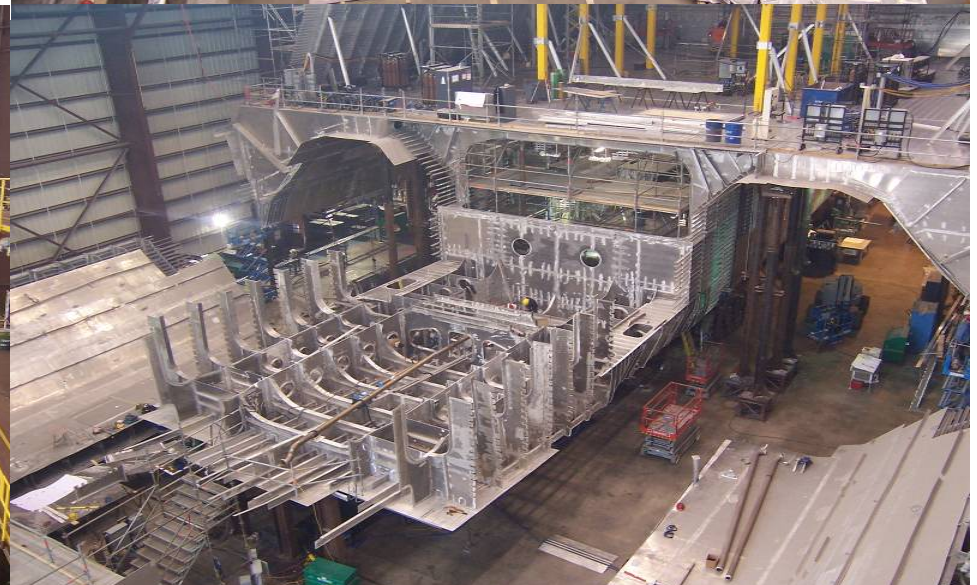
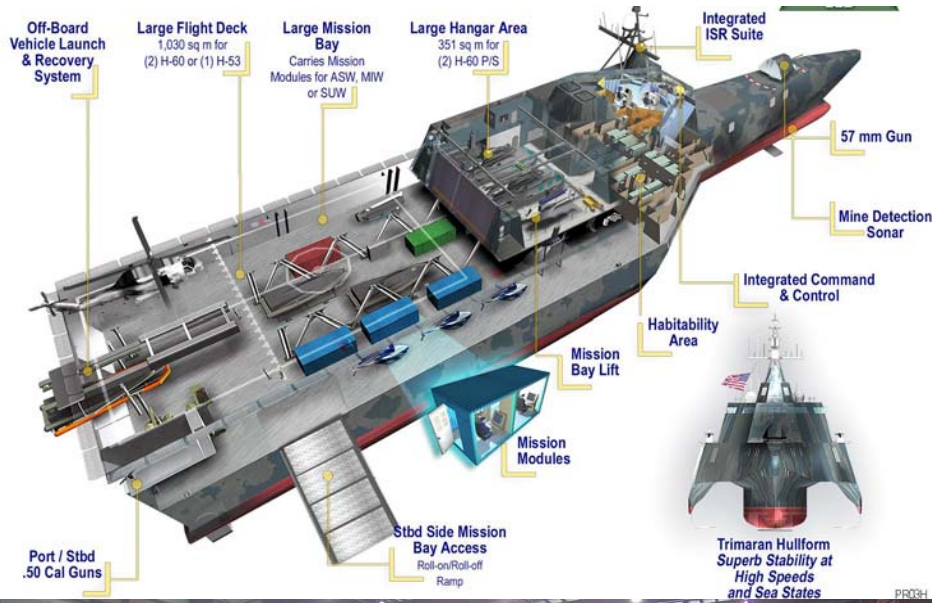


Lockheed Martin LCS Design





General Dynamics LCS Design





LCS Mission Packages

MH-60S 

Unmanned Surface Vehicle 

Remote Mine Hunting System 

Organic Airborne Mine Countermeasures Systems 

COBRA 

Unmanned Air Vehicle 

Mine Warfare Mission Package

MH-60R 

Unmanned Surface Vehicle 

Remote Mine Hunting Vehicle 


Multistatic Sonars 

Dipping Sonar 

Torpedo 

Unmanned Air Vehicle 

Anti Submarine Warfare Mission Package

MH-60R Armed Helo 

30MM Gun 

Hellfire Missile 

Netfires 

Sensor EO / IR 

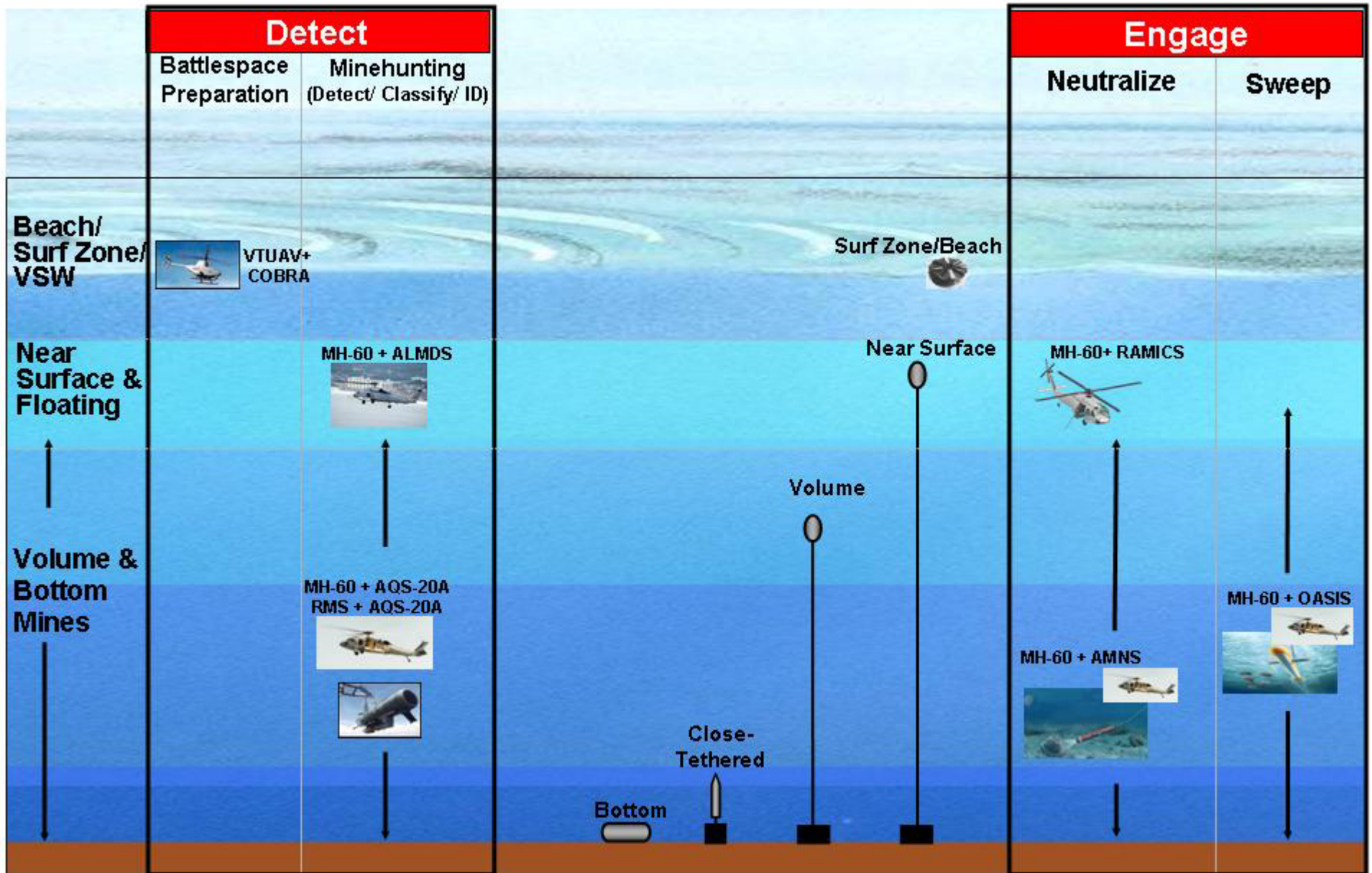
Unmanned Air Vehicle 

Anti Surface Warfare Mission Package

Integration of diverse Navy programs to deliver Warfighting capability

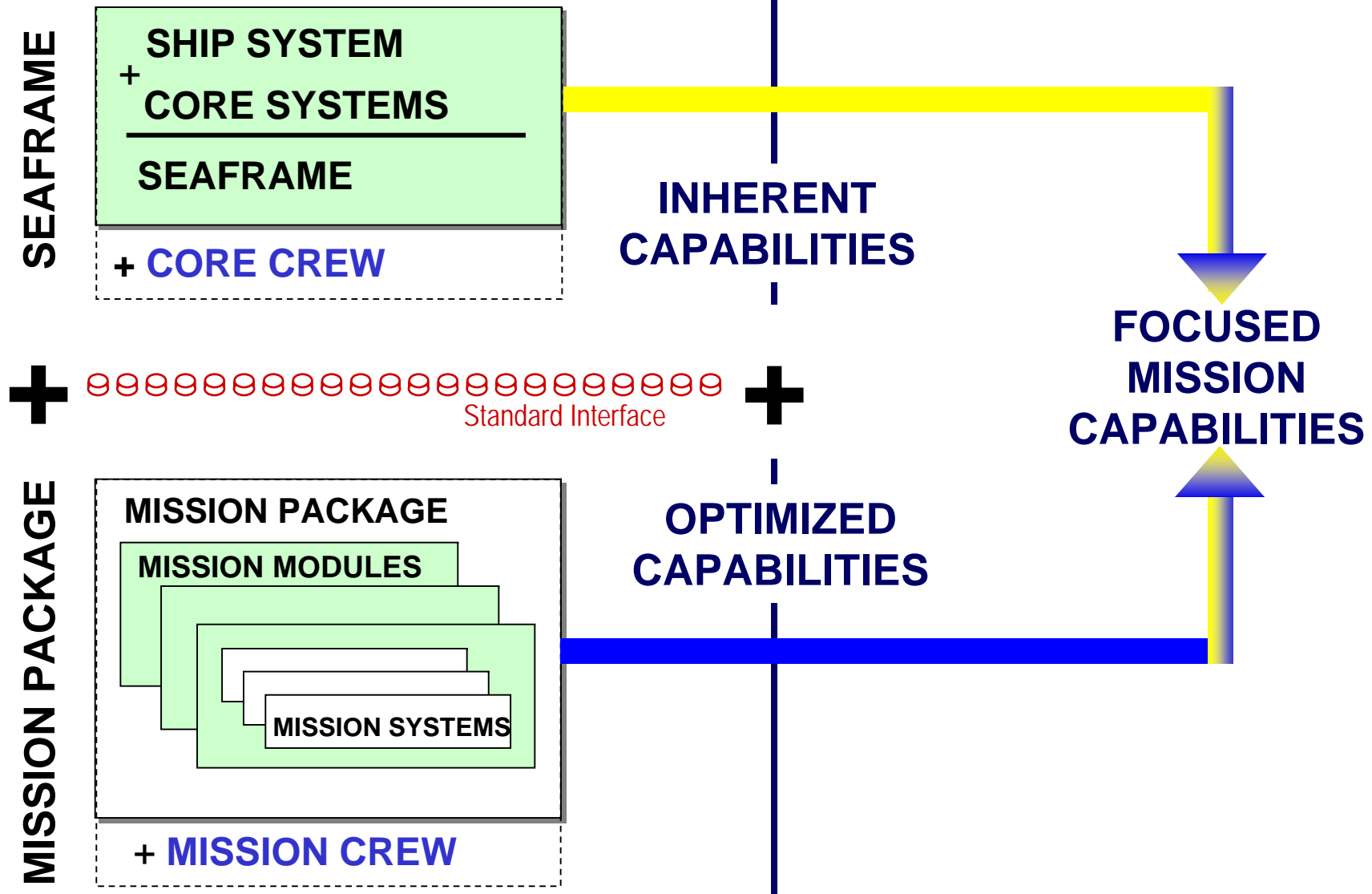


MIW Mission Package





Modular Open Systems Approach





One Team...One Goal

- Team
 - Requirements/Resource Sponsors
 - Acquisition Community
 - Industry



**Deliver a Robust Affordable Fleet to
Support our National Interests**



Members of the first crew of the Navy's first Littoral Combat Ship, FREEDOM (LCS 1), pose in front of the ship's first module during the keel laying ceremony at Marinette Shipyard in Marinette, Wisc.



Backup



Mine Warfare Mission Package (Spiral A)



- BPAUV and SCULPIN for reconnaissance
- MH-60S w/ ALMDS & RAMICS provide hunting and neutralization of near-surface and floating mines
- RMS & MH-60S w/ AN/AQS-20A provide hunting of bottom and volume mines
- EOD and MH-60S w/ AMNS provide neutralization of bottom and volume mines
- 11M RHIB w/ influence sweep system & MH-60S w/ OASIS provide sweep capability against magnetic, acoustic, and combination magnetic-acoustic influence mines
- VTUAV w/ COBRA for detection of obstacles and minefields in beach and surf zones