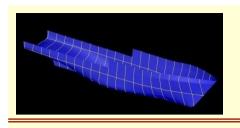
US Ocean Class AGOR Program



ERVO May 2011



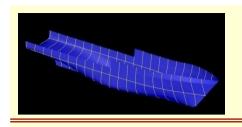
Ocean Class AGOR Program

- Class of 2 Mid Size, General Purpose, Monohull Research Vessels
- Vessel is approximately 70 meters long
- Budget is ~ \$70M USD each
- Funded by US Navy; Operated by UNOLS Academic Institutions
- Concept Design, Requirements Development Performed During 2008/2009
- Design Awarded to Two Shipyards January 2010
 - Dakota Creek Industries
 - Marinette Marine Corporation
- Design Competition Completed in Feb 2011
- Selection of Shipyard and Start of Construction for First Ship Expected in Sept 2011
- Delivery of both ships planned in 2014









Ocean Class AGOR Program

OCEAN Class Science Mission Requirement Highlights

Length:

70 meters

Displacement:

3,000 tonnes

Accommodations:

25 Scientists, 21 Crew (USCG inspected vessel)

Range:

10,800 NM at optimal cruising speed (≈10 Kt)

Speed:

12 Knots

Science load:

200 Tons

Acoustics:

EM122 (2 deg); EM710; SBP 120

Handling Systems

Full Suite of Winches, Cranes, and Overboard Gear

Design:

ABS Classed, USCG inspected, SOLAS compliant

Laboratories:

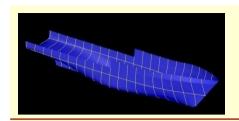
2,000 Sq Ft

Working Deck:

2,000 Sq Ft

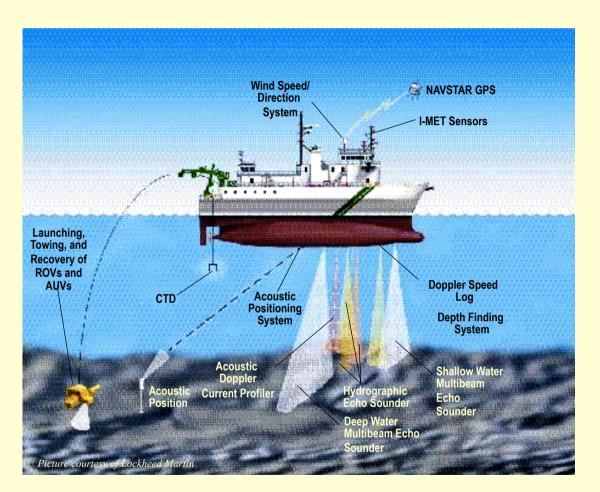
Vans:

Carry 3 standard 20 Ft ISO containers.

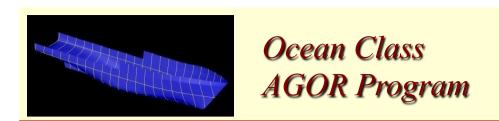


Ocean Class AGOR Program

OCEAN Class Sonar Systems



- EM122 1 x 2 Deg Multibeam
- EM710 0.5 x 1 Deg Multibeam
- EA-600 Single Beam Echosounders- 12, 30 120, KHz
- HiPAP 500 Acoustic Positioning System
- SBP 120 6 x 6 Subbottom Profiler
- ADCP 38, 150, 300 KHz



End