



Ocean Class Research Vessels

AGOR 27 & 28

U.S. NAVY

Mission Sponsor – Office of Naval Research
 Resource Sponsor – Oceanographer of the Navy
 Procurement Management – PEO-Ships PMS325
 Contracting and Technical Management – NAVSEA 02/05



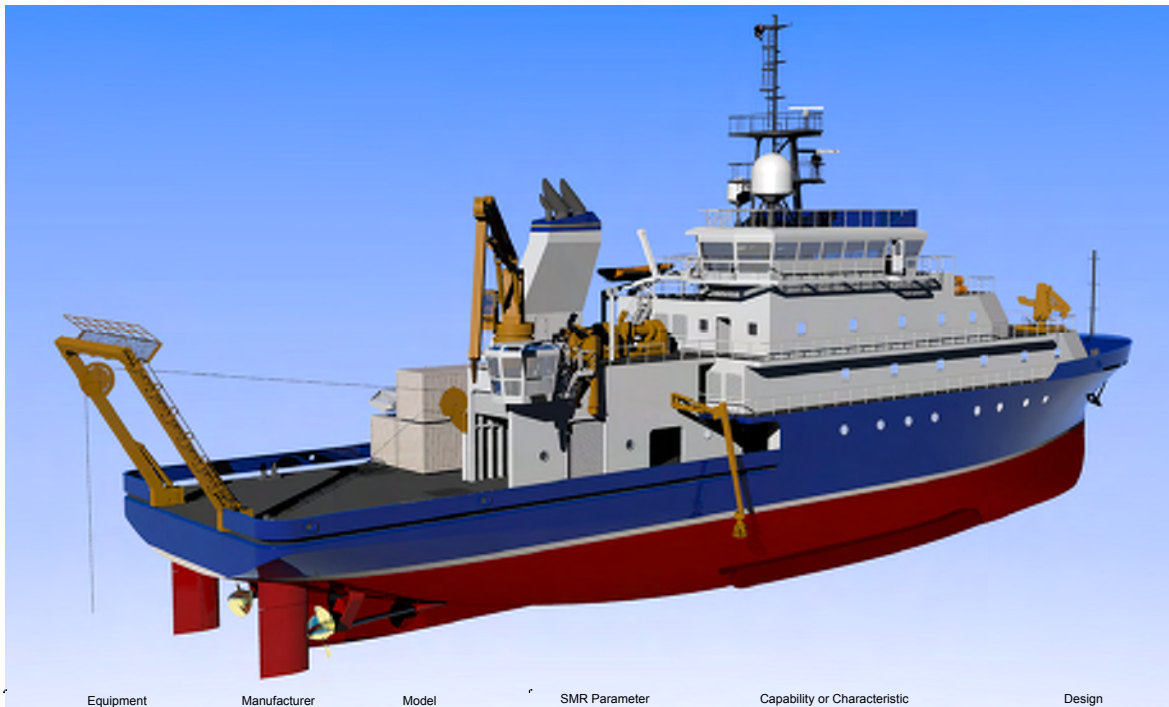
AGOR 27

Woods Hole Oceanographic Institution
 Keel Laying – Summer 2012 (FY12 4th Qtr)
 Launch – Early 2014 (FY14 2nd Qtr)
 Delivery – Fall 2014 (FY15 1st Qtr)
 Operations – Spring/Summer 2015 (FY 15 3rd Qtr)

Shipyard Contractor – Dakota Creek Industries, Inc. – Anacortes, WA
Design Agent – Guido Perla & Associates – Seattle, WA
Noise Consultant – Noise Control Engineering – MA

AGOR 28

Scripps Institution of Oceanography (UCSD)
 Keel Laying – Late 2012 (FY13 1st Qtr)
 Launch – Late 2014 (FY15 1st Qtr)
 Delivery – Spring 2015 (FY15 3rd Qtr)
 Operations – Late 2015 (FY 16 1st Qtr)



Length overall	238'-0"
Waterline length	230'-0"
Maximum breadth (molded)	50'-0"
Depth to Main Deck	22'-0"
Draft	15'-0"
Sustained speed	12 knots
Max speed (estimated)	12.8 knots
Installed brake horsepower	2,324 hp
Installed total power	3,952 kw
Lightship weight (with 5.5% design and build margin)	2,058 LT
Full load displacement (with SLA)	3,024 LT
Range (at sustained speed)	11,500 nm
Endurance	40 days

Accommodations:

Single Staterooms	20
Double Staterooms	12
Total Berths	44

Laboratories

Main Lab	1,873 sf
Wet Lab	398 sf
Computer Lab	311 sf
Staging Bay	303 sf

Equipment	Manufacturer	Model	SMR Parameter	Capability or Characteristic	Design
Deep Water Multibeam Survey System	Kongsberg	EM-122	Working deck area	<ul style="list-style-type: none"> 1,500 – 1,800 sq ft aft of deckhouse 2,000 – 2,600 sq ft total clear stern working area 80 ft clear deck area on one side 	<ul style="list-style-type: none"> Exceeds: 1,873 sq ft Meets: 2,557 sq ft Meets: 80 ft
Mid Water Multibeam Survey System	Kongsberg	EM-710			
Subbottom Profiler	Knudsen	Chirp 3260 with 16 Massa TR-1075 Array	Laboratory Area	<ul style="list-style-type: none"> Main lab 900 - 1,000 sq ft Wet lab 350 - 400 sq ft Computer lab 250 - 300 sq ft Staging Bay 250 – 300 sq ft 	<ul style="list-style-type: none"> Exceeds: 1,023 sq ft Meets: 398 sq ft Exceeds: 311 sq ft Exceeds: 303 sq ft
Single Beam Survey System	Kongsberg	EA-600 (12, 38, 120, 200 kHz)			
Acoustic Doppler Current Profiler	Teledyne RD Instruments	Ocean Surveyor 38 and 75 kHz Workhouse Mariner 300 kHz	Science Storage	<ul style="list-style-type: none"> 4,000 to 5,000 cu ft 	<ul style="list-style-type: none"> Exceeds: 5,017 cu ft
Acoustic Navigation and Tracking System	-	Gantry	Science payload	<ul style="list-style-type: none"> 150 to 250 LT 	<ul style="list-style-type: none"> Meets target: 250 LT