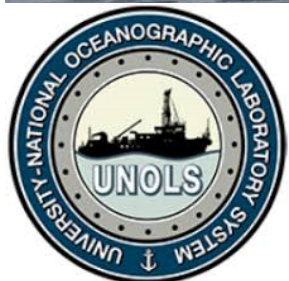


Woods Hole
Oceanographic
INSTITUTION



*RV ATLANTIS
MID-LIFE REFIT*



MAJOR WORKS

- **NEW MAIN GENSETS** CAT 2-C32s 2-3516s EPA TIER 3
- **SIEMENS PROPULSION SOLUTION** AC MOTORS 690V ALTERNATORS SWITCHBOARDS SWITCHGEAR DRIVES TRANSFORMERS
- **ZF AZIMUTHING BOW THRUSTER** SIEMENS AC MOTOR
- **MARPOL UPGRADES** OWS - GEA SEWAGE - EVAC BWTS - OPTIMARIN
- **ACCOMODATION UPGRADES** LIGHTING OVERHEADS HVAC FIRE DETECTION NAV LIGHTS PROPULSION CONTROLS MAST MODS
- **PIPING RENEWALS** BALLAST FIREMAIN DRAINS
- **STRUCTURE** UTM #6 BW TANKS
- **FRESH WATER GENERATION UPGRADES**
- **OVERHAUL OF Z-DRIVES** 5 YR CYCLE
- **SCIENCE UPGRADES** EK80 UPGRADED DP SYS CABLING SERVER ROOM COMPUTER OVHLS / UPGRADES

TIMELINE

- RFP OUT 20 MAY 2019
- BIDDER CONFERENCE / SHIPCHECK / NEWPORT OR 30 MAY 2019
- BIDS DUE 17 SEPT 2019
- WHOI INTERNAL / ONR REVIEW / FINAL VISITS SEPTEMBER – OCTOBER 2019
- AWARD TARGET 22 NOVEMBER 2019
- TRANSIT PANAMA CANAL EBOUND EARLY JAN 2020
- GULF OPS CAYMAN JAN – MARCH 2020
- SHIPCHK ONBOARD MTG OPPORTUNITIES GULFPORT MS 6,9,21 FEB 2020
- ALVIN OFF FOR 6500 M UPGRD / INITIAL STRIP SHIP 16 MAR – 10 APRIL 2020
- LONG LEAD TIME MATERIALS TARGET DELIVERY AT YARD MAY 2020
- LAST CRUISE DEMOB MAY 31 – 1 JUNE 2020
- OFF-SPOOL TRAWL, .681, .322, ¼ HYDRO WIRE / SCIENCE EQUIP 2-6 JUNE 2020
- DEPART WOODS HOLE APPROX 06-7 JUNE 2020
- ENTER YARD TARGET 17 JUNE 2020 EARLIEST – TBD
- TESTING / SEA TRIALS APRIL / JUNE 2021
- DELIVERY JULY 2021
- ALVIN BACK ONBOARD TARGET AUGUST - SEPT 2021

INITIAL YARDS - RFP SEND OUT

- 1. International Ship Repair – Tampa
- 2. Tampa Ship – Tampa – Chouest
- 3. Gulf Marine – Tampa – Hendry Marine
- 4. VT Halter Marine – Pascagoula
- 5. Detyens – Charleston
- 6. Conrad Shipyard – Morgan City
- 7. Gulf Copper – Houston
- 8. Thoma-Sea Marine Construction – Lockport LA
- 9. Gulf Island Shipyards - Houma, LA – RCRV project
- 11. EPIC – Formally BAE Mobile Alabama DD
- 12. Vigor – Portland, OR
- 13. Bollinger – Lockport, LA - Chouest
- 14. Colonna's – Norfolk, VA
- 15. Bay Ship – Oakland, CA
- 16. BAE – Jacksonville, FL
- 17. Dakota Creek Industries Inc. – Anacortes, WA
- 18. MARRS – Mobile, Alabama

REVIEW PROCESS

- TECHNICAL / MGMT BUSINESS / TERMS AND CONDITIONS
- WHOI INTERNAL TEAM OF 10
- ASSIGNMENTS POSITION BASED, ACCOUNTING, LEGAL, TECH
- TABULATED RESULTS
- COST WAS KEPT OUT OF VIEW UNTIL PROCESS COMPLETED

Summary Ratings	[REDACTED]					
1. Admin/Compliance Rating	63	60	64	62	46	36
2. Management Rating	543	522	480	448	247	235
3. Technical Rating	613	650	600	554	364	331
Grand Total	1219	1232	1144	1064	657	602
Risk Ratings	[REDACTED]					
Management Risk Assessment	116	124	100	103	70	62
Technical Risk Assessment	174	150	167	151	105	94
Grand Total	290	274	267	254	175	156
Summary & Risk	[REDACTED]					
1. Admin/Compliance Rating	63	60	64	62	46	36
2. Management Rating	659	646	580	551	317	297
3. Technical Rating	787	800	767	705	469	425
Grand Total	1,509	1,506	1,411	1,318	832	758

BUDGET MID-LIFE

- OWNER FURNISHED EQUIPMENT Approx. 10 Mil
- Yard – Approx. 23 Mil
- Site Team / Crew / Engineering 4 Mil
- Science Grants 1 Mil
- ONR other funding 1 Mil
- MOSA Z Drives Overhauls, Docking Maintenance items, coatings 3 Mil

MISC ELEMENTS

- REVELLE AND THOMPSON LESSONS LEARNED
- OFE MANAGEMENT
- SPARES
- WARRANTIES
- CREW RETENTION
- CREW TRAINING
- LARS NAVSEA CERTIFICATION



NEW BOW THRUSTER COMPLETE

