



RV ATLANTIS MID-LIFE COMPLETION UPDATE

1 NOVEMBER 2021

TIM TWOMEY

DIRECTOR OF SHIP OPERATIONS

Current Status: 100% Complete

Sail Date 16 July 2021 0830



WOODS HOLE
OCEANOGRAPHIC
INSTITUTION



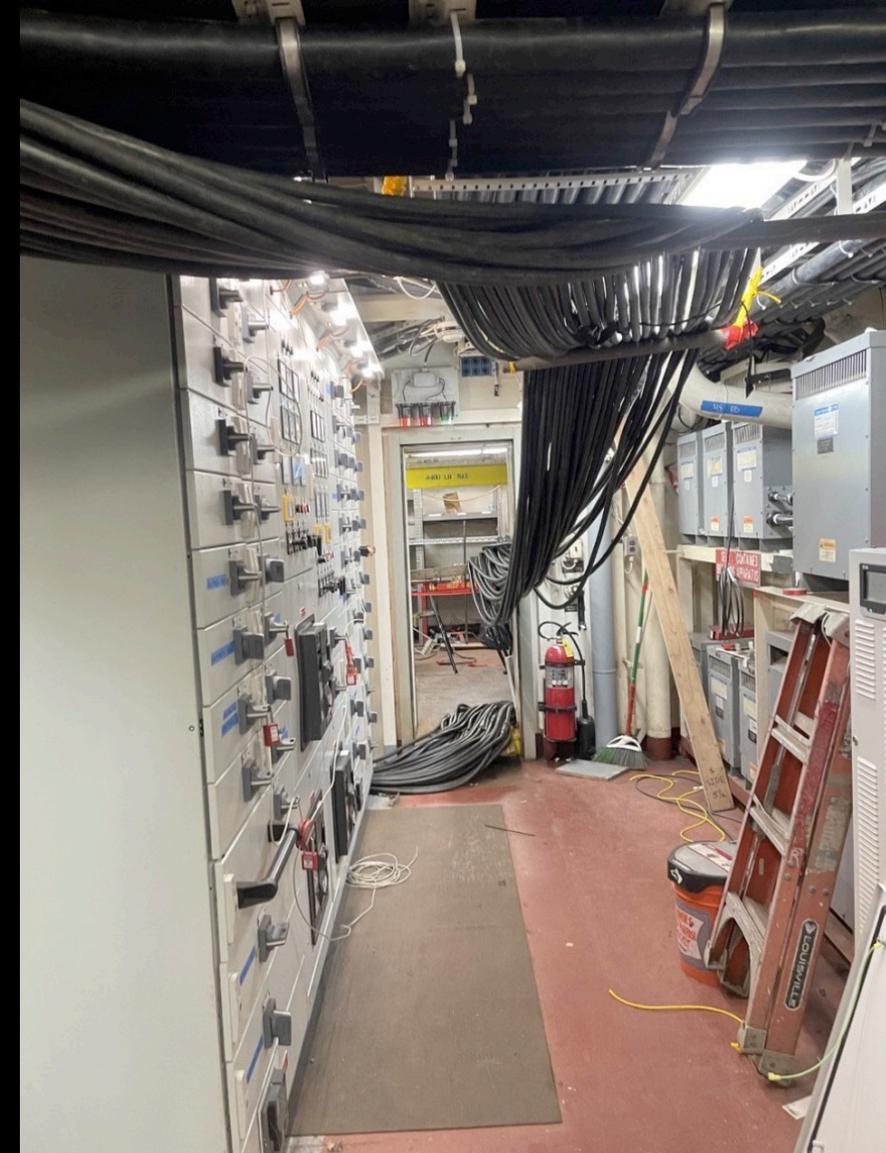
Schedule

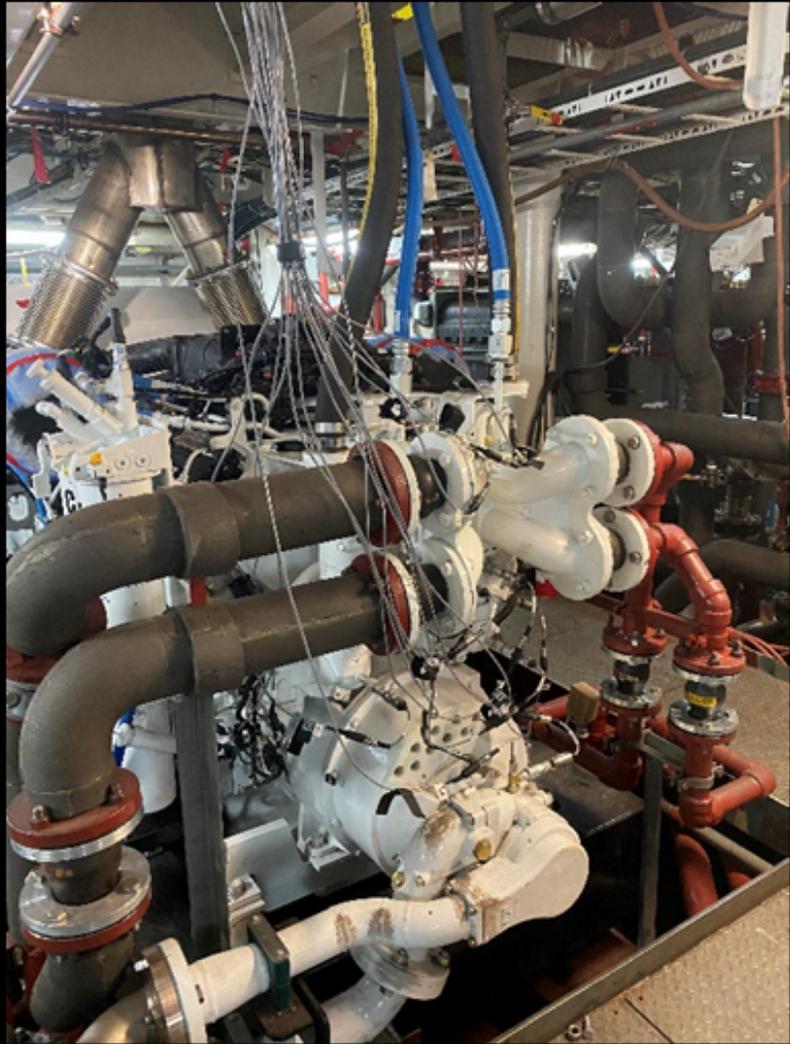
- Overall remained close to original schedule, Atlantis sailed 16 July
- DP System Grooming completed upon sailing with Kongsberg
- Science Verification Cruise 8 days completed after the yard ending in San Francisco
- Arrival WHOI 11 August
- ALVIN onload in progress – 8 September crane planned for Sub move onbd
- ALVIN Test Program
- Initial start ups and Sea Trials were successful

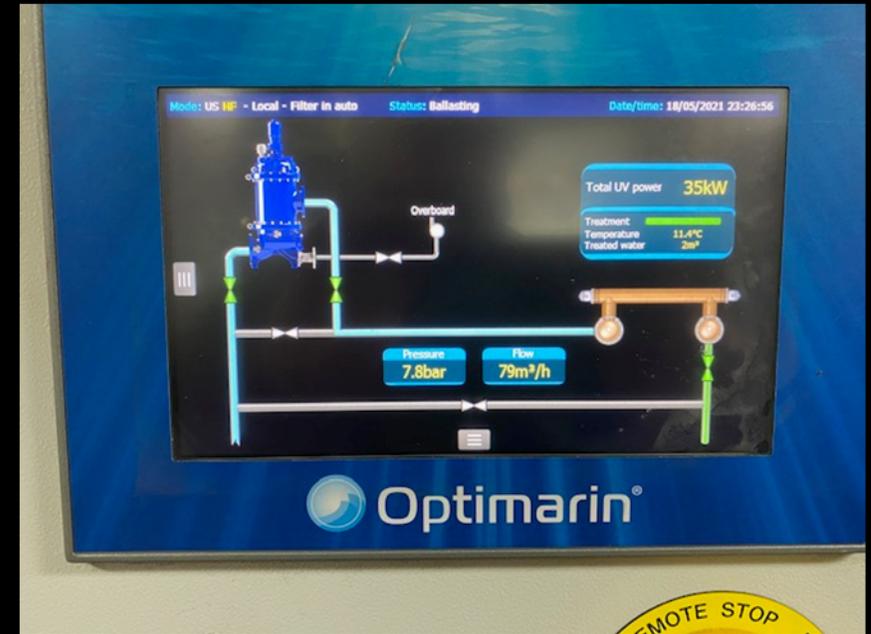
System upgrades

- Initial electrical verification checks of the new switchboards, new Bow Thruster and Propulsion I/O points completed.
- Atlantis new Kongsberg EM124 transducer array online after the MLR. EK80 also has been upgraded. Both were tested and calibrated during Science Verification Cruise.
- Full CAT7 shipwide backbone installed – final network diagrams completed.
- Comms working well, new C/KU full sky antenna top of mast and 2 KA Fleet express antennas P/S of the main mast for full time coverage of the sky.
- All other upgrades with the MLR in normal operation now.
- Habitability improvements include all new overheads, lighting, full accommodation carpeting renewals in cabins and lounge spaces. Heads all reconditioned with new coatings and plumbing. All mattresses were replaced for added comfort of all hands. Galley equipment upgrades, reefers, HVAC system upgrades and renewals.













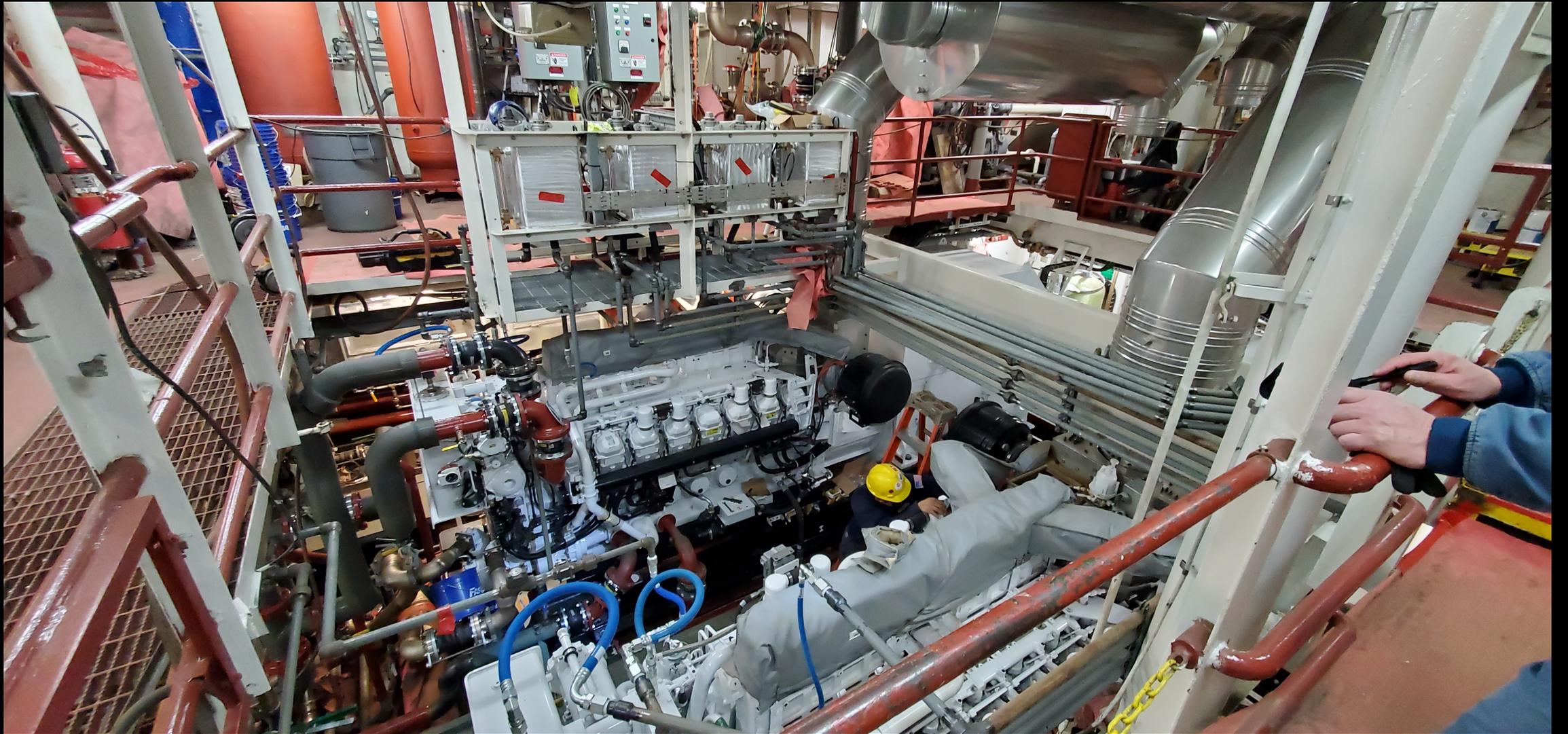




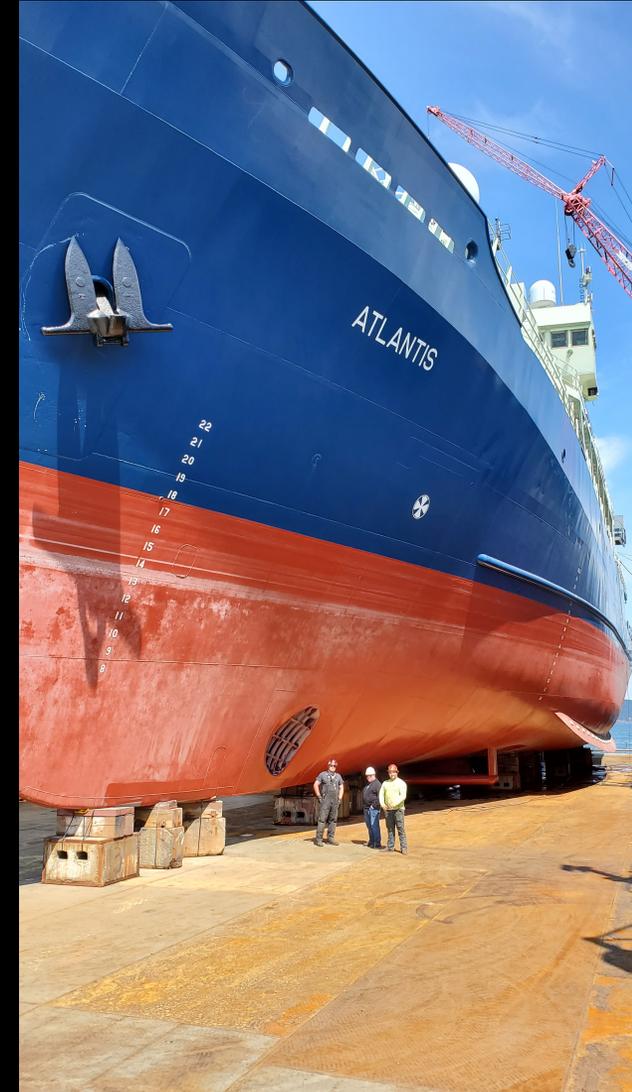


Bridge Post MLR ready for Ops





Second Docking prior to departure from DCI





Underway at end of MLR



Arrival WHOI 11 August 1300



Science Labs closing in for Operations



Analytical Lab above



Main Lab – middle
photo



Computer Lab above

All lab benches renewed by
UW shop and WHOI

BERMUDA ALVIN TRIALS



TODAY

