

SELECTED PROJECT PORTFOLIO

Vessel: *FRV OSCAR DYSON*
Operator: NOAA; Alaska National Marine Fisheries
Client: VT Halter Marine

Services Provided:

- Provided complete acoustic design services; noise control plan, airborne noise predictions, underwater noise predictions, sonar self-noise predictions, foundation/hull finite element analysis and HVAC noise analysis. Reviewed all pertinent shipyard construction drawings.
- Recommended all noise control treatments; acoustic insulation, damping tiles, vibration isolation and HVAC silencers and insulation.
- Evaluated critical isolated equipment foundations and vibration isolation system, recommended vibration isolators.
- Conducted training of shipyard personnel on quiet ship design and construction.
- Performed shipyard “Factory Acceptance Tests” of airborne noise and vibration of multiple shipboard machinery.
- Conducted multiple shipyard inspections during construction approximately every other month.
- Planned and performed dockside and underway noise testing which included airborne noise, ship-wide vibration, sonar self-noise and underwater noise.
- Interfaced between owner and U.S Navy with regard to formal testing at Navy operated facility at AUTECH.