

SELECTED PROJECT PORTFOLIO

**Vessel:** *M/V KENNICOT*  
**Operator:** Alaska Marine Highway System (AMHS)  
**Client:** Halter Marine Group

**Services Provided:**

- Prepared noise and vibration control plans in accordance with ship specifications.
- Performed shipboard noise prediction using SNAME T&R 3-37.
- Determined equipment to be vibration isolated and designed vibration isolation systems for diesel generators, exhaust silencers & piping and various pumps.
- Performed HVAC noise predictions and recommended treatments.
- Performed finite element analysis (FEA) of propulsion diesel, gearbox & power take-off foundation.
- Recommended noise control treatments, including floating floors for crew berthing.
- Developed methods for ship hull mode testing and tested the vessel using a 10,000 lb. impact device.
- Conducted shipboard noise and vibration tests during sea trials.
- Performed special torsional vibration tests on power-takeoff shafting for diagnostic purposes.