

SELECTED PROJECT PORTFOLIO

Vessel: *M/V DELTA MARINER*
Operator: Foss Maritime Company
Client: Halter Marine Group

Services Provided:

- Specification Review and initial noise control requirements for Naval Architect (Glostén & Associates).
- Prepared noise and vibration control plans in accordance with ship specifications.
- Performed shipboard noise and vibration predictions using SNAME T&R 3-37.
- Performed predictions of exterior shore-side noise levels due to exhaust and vent fan operation.
- Determined equipment to be vibration isolated and designed vibration isolation systems for diesel generators, exhaust silencers and various other equipment.
- Performed HVAC noise predictions and recommended treatments.
- Performed finite element analysis (FEA) of propulsion diesel foundation and Cargo Bay house.
- Recommended noise control treatments, including floating floors for Engineer's Control Room and Cargo Monitoring Room.
- Conducted shipboard noise and vibration tests during sea trials. This included special measurements of Cargo Bay deck vibration.