

SELECTED PROJECT PORTFOLIO

Photo Courtesy of VT Halter Marine

**Vessel:** *S. Ezzat* (682) (Ambassador MK III Fast Missile Craft, FMC)  
**Operator:** Egyptian Navy  
**Client:** VT Halter Marine

**Services Provided:**

- Preliminary Phase and Secondary Phase general design guidance to project naval architects
- Secondary Phase machinery noise, HVAC noise, and underwater radiated noise predictions
- Secondary Phase Finite Element Analysis (FEA) for predicting dynamic stresses and habitability vibration levels
- Construction phase oversight to shipyard
- Review and approval of shipyard generated designs and reports for noise control materials
- Develop test plans for noise and vibration acceptance testing
- Ship inspections of noise control materials
- Perform noise and vibration testing during sea trials
- Aid the shipyard in performing noise and vibration diagnostics
- Sea trials testing and diagnostics were performed on the first four vessels of the class