

Marine Propulsion Laboratory Marine Engineering Technology



TEXAS A&M
UNIVERSITY

GALVESTON CAMPUS®

Lab Objectives

To teach our students real life hands-on experience using both Wartsila Marine Diesel Engine (MARE 312) and Rolls Royce GTM 250 Gas Turbine (MARE 314)

Lab Capabilities

Teaching our students the complexity of overhaul and maintenance of a modern ship diesel engine and operations management.

Lab Facilities

- Wartsila 8L/20 Diesel Engine
- Rolls Royce GRM 250 Gas Turbine
- Combustion Analyzer
- Complete Lubrication Oil Test Facility

Courses Supported

- MARE 312
- MARE 424

Research Supported

Combustion Analysis & Emission Control



Frank Pedersen
Assistant Professor of
the Practice
Chief Engineer



Texas A&M University at Galveston

Marine Engineering Technology Department