

HYBRID MARINE DIESEL ENGINE SIMULATOR

Hybrid Diesel Engine Simulator (HDES) is a primary training method that simulates a realistic engine room set up, though a controlled environment for marine engineer undergraduates and engine room watch keepers training on board ship operation circumstances. Further, HDES can be utilized for engine room watch keepers training in both war and peace times equally.

Identifying the much needed requirement, Department of Marine Engineering KDU, developed a Marine Diesel Engine Simulator for undergraduates as watch keepers to improve skills on responding to any defect with efficiency, expertise and confidence gained from training in similar situations. The simulator can simulate number of common defects, which can be observed commonly in any onboard vessel. Further, students are exposed for defect rectification well in advance through effective monitoring of engine parameters.

Engine was acquired from a decommissioned ship (Ex – A522) of Sri Lanka Navy and establishment of Engine Simulator was carried out by well competent technical staff of Marine Engineering Department – KDU, and the project was steered by Cmde (E) MCP Dissanayake, Head of Department (Marine Engineering).

The facility was commissioned and opened by General (Retd) Kamal Gunarathna WWV RWP RSP USP ndc psc MPhil the Secretary, Ministry of Defence at the invitation of Major General MP Pieris RWP RSP VSV ndc psc MPhil the Vice Chancellor, on 10th March 2021.