

THS-09042H

90' x 42' HyZET Ship Assist Tug

Crowley worked with a team of industry experts to develop this fully liquid hydrogen-powered tugboat. The expert team led by CALSTAR includes Crowley, CABB, DNV, Chart Industries, Ballard Fuel Cell Systems, and the Port of Los Angeles. This tug is estimated to realize, in operation, approximately 476 million metric tons of carbon dioxide equivalent (MTCO2e) savings per year.

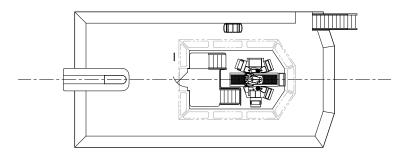
This fully liquid hydrogen-powered tugboat has escort capabilities, with a hull designed for traveling astern without seas coming over the transom. For mooring and towing capabilities, there is a simple aft winch with brake SWL for bollard pull and 8" HMPE line (450') installed. Full 360- degree visibility from the helm is assured with windows all around. There are berths for 8 crew, though the tug may be operated with a crew of 2 in certain operations.

Overall Dimensions

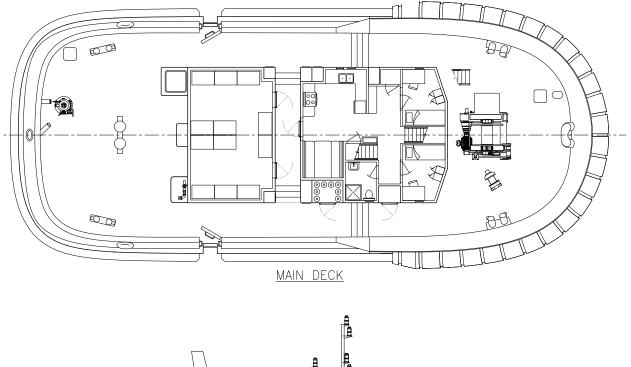
Length Overall
Molded Beam42'
Bollard Pull90 ST
Berths 8
Energy Storage/Peak Shaving 1.2MW FC power + 3.6MW ESS power

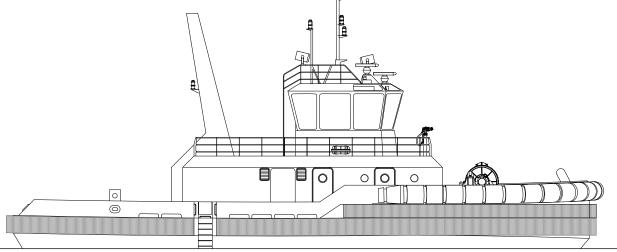
Propulsors	5.0MW total installed ABB Azipod or L-Drive
intearatir	BB Onboard DC Grid™ y electrified propulsion ng ~6 x Ballard FCwave ry sized for bollard pull 0kWh with high C-rate)





BRIDGE DECK





OUTBOARD PROFILE

