

Commercial Vessel GRE Applications

NOV Fiberglass Systems glass reinforced epoxy piping is chosen for all commercial vessels including specialized vessels, oil tankers, gas carriers, car carriers, bulk carriers, and container vessels. The latest series of large container carriers are all fitted with Bondstrand™ Series 2000M piping.

Lightweight

Over 900 meters of pipes of sizes from 1.5” to 20” are installed on these 18,000 TEUs Container vessels. The Triple E Vessels: Economies of Scale, Energy Efficient and Environmental Efficient, benefit from weight savings of over 54 tons (vs Schedule 40 Carbon Steel Pipe), the light weight translates into fuel economy advantage or higher load capacity.



Low Friction Factors

Users of piping product have long known that fiberglass piping has far lower friction factors than carbon steel piping. It is equally important to recognize the energy cost savings which accrue over the life of the installed system as a result of the lower friction factors. The largest savings is found simply in lower pumping costs where the power consumption can often be cut in half. This efficient pumping is maintained consistently throughout the life of the vessel, due to the smooth interior of the piping not fouling up.

Maintenance Free

A properly installed Bondstrand™ is a one-time installation which can last the life of a vessel needing little or no maintenance.

Applications

In Tanks	In Machinery Space	In Accommodation
Water Ballast System	Water Ballast System	Potable Water
Vents	Sea Water COoling	Grey Water
Sounding Pipes	Fresh Water Cooling	
Inert Gas Purge Lines	MGPS	
Cargo Pipes (for Tankers)	Scubber System	
	Ballast Water Treatment System	

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