



Pertamina Trans Kontinental Operates Indonesia's First Dual Fuel Harbour Tug

As a concrete manifestation of the commitment to reduce carbon emissions and a transition to new and renewable energy, PT Pertamina Trans Kontinental (PTK) owns and operates HT Transko Rajawali as the first harbour tug in Indonesia using dual fuel mode: High Speed Diesel (HSD) and environmentally friendly Liquefied Natural Gas (LNG).



HT Transko Rajawali was built in 2019 by PT Dok Warisan Pertama (PaxOcean) shipyard to support the operational activities of PT Perta Arun Gas (PAG), as one of PTK's customers. HT Transko Rajawali is now operating in PAG water area at Blang Lancang LNG Terminal, Lhokseumawe, Aceh province.

HT Transko Rajawali is able to switch the fuel usage from diesel to LNG and vice versa; depending on the maneuver activity. If the vessel is towing an LNG tanker, it will use the conventional diesel, then it will switch to LNG mode in stable condition at leisure-speed.

The LNG fuel plays a vital role for HT Transko Rajawali. Not only as an alternative to reduce the conventional fuel consumption with a lower cost, but also being more environmentally friendly by reducing the vessel emission levels.

ESG Contribution & Cost Saving



HT Transko Rajawali is determined to realize Pertamina's ESG initiatives into a real implementation – in line with the Government's aspiration to achieve 29% of emission reduction by 2030. The utilization of the environmentally friendly HT Rajawali Transko boat is intended to increase the Company's ESG contribution and cost savings in operational activity.



Reducing annual carbon emissions up to **88%** - to only **29.9 thousand MT per year**



Bunker cost efficiency is up to **63.2%** / **Rp 727.8 million per year** compares to the conventional fuel consumption



Operating cost efficiency by **10-15%** compares to the similar harbor tug with conventional diesel fuel

PTK's Other Green Initiatives:

Green Initiatives	Implementation	Location
The use of a solar power plant on the Crew Boat Transko Pari 01	2022	Semangka Bay, Lampung
The use of solar photovoltaic in the PTK Office Building	2022	Senen and Tanjung Priok
The use of solar photovoltaic at the Sorong Dockyard	On Progress	Sorong, West Papua
The Use of solar photovoltaic at Kabil Shorebase	On Progress	Batam, Riau Island
The use of solar photovoltaic at the Tanjung Batu Shorebase	On Progress	Balikpapan, East Kalimantan
The use of a solar power plant on the Fighting Craft Dwipangga ship	On Progress	On Progress

PT Pertamina Trans Kontinental

PTK is an One Stop Integrated Marine Solution, supported by more than 340 own fleet with various type, through 3 core businesses: shipping service, marine, and logistics. PTK commits to be "one stop integrated world-class maritime service provider".

Structure:

