

# TBN / Van Oord

## Cable Laying Vessel



Photo: Vard Design

GENERAL VESSEL INFORMATION	
Owner	Van Oord Ship Management BV
Shipyard	Vard Group AS / Vard Brattvåg
New build No.	922
Delivery	2023
IMO No.	TBN
Ship Design	Vard Design AS

BRUNVOLL DELIVERY	
Tunnel Thruster	Bow 2 x FU100LTC2750-2100kW
Propulsion Azimuth	Stern 2 x AUP115LNC2900-2500kW
Combined Azimuth / Tunnel Thruster	Bow 1 x AR80LTC1000-1500kW
Control System	BruCon



Brunvoll Tunnel Thruster, Retractable Azimuth Thruster and Propulsion Azimuth Thruster

The vessel is a VARD 9 02 design, length 130m, beam 28m, developed with the latest sustainable technologies in order to reduce the carbon footprint during operations and port mooring.

Brunvoll's system delivery consists of two tunnel thrusters each of 2,100kW, a combined retractable azimuth / tunnel thruster of 1,500kW and two azimuth propulsion thrusters with propeller in nozzle each with a power of 2,500kW.

The units are designed with special focus on maximum propulsion efficiency, hydrodynamic capabilities and a robust design with minimal lifetime costs and footprint.

All units are of CPP (controllable pitch) type and run at variable speed. By using simultaneous control of speed and propeller pitch, so-called combinator control, several benefits are achieved, including lower noise and vibration levels on board, less noise into the sea, and lower energy consumption.