

TRX-NB102 EVOLI

BATTERY HYBRID CARGO VESSEL

- **LOA : 27 m** River Cargo Vessel

- **B : 7.5 m** Inland Navigation Vessel

- **D : 3.13 m** 13 km/h Service Speed

- **T : 2.05 m** Electric & Hybrid

- **LSW : 110 T** 103T Deadweight Capacity



FRANCE



Owner	: Ecofluv S.A.R.L.	Construction	: Steel Hull
Design	: CT Arco Marine	Design No	: ECF-01-21
Class	: BV* (Attestation Only)	Notations	: ES-TRIN
Flag	: French Flag	Operation Area	: European Inland Waters
Deck Cargo	: Totally 99 Euro Pallets & 109 Tonnes	Cranes	: Amco Weba - 1 x 810FM/3S – SWL 810KG @9.7m Radio Remote Controlled
Electrical System	: 1 x Main 400V AC Switchboard 1 x Main 230V AC Switchboard	Hydraulic Power Unit	: Amco Weba - 1 x 22 kW Directly Fed from 400V Main Switchboard
Emergency Power	: 24 VDC with Battery Accumulator	Shore Connection	: 2 x 400V 45 kVA Shore Insulation Transformers
Main Engine	: Transfluid 2 x 130 kW Electric Motors Fed from Main Battery System	Propulsion	: Transfluid 2 x Azimuth Propulsion 0.6 m Propeller with Nozzle
Deck Equipment	: 1 x Data Hidrolik Winch with 360kg Anchor 2 x Electric Driven Spud Piles 2 x Hydraulic Driven Deck Ramps	Side Thrusters	: Transfluid 1 x 60 kW
Generators	: John Deere 2 x 400V 50Hz 110 kW feeding directly to the AC Switchboards	Secondary Battery System	: 35 x Mono Solar Panel 360w-24V on the Cargo Roof for Hotel Loads of the Vessel
Life Saving Equip.	: VIKING – Safety Equipment	Controls	: 1 x Fwd. Navigation Console with Pilot Chair - Vessel Integrated Alarm and Control Monitoring System
Accommodation	: One (1) Double Cabin Messroom with Galley WC with Shower European Standards Interior Installations	Battery Capacity	: 2 x 400Ah 384VDC Battery Group (Totally 16 batteries)
Hot Water Heater	: Isotemp 75Lt. 230VAC 750-Watt Electric Heater	Electronics	: Radio Holland
		Mud Tank Capacity	: 45 Tonnes Sludge Tank Capacity
		Sludge System	: 1 x 37.5 m ³ /h Sludge Lobe Type Pump, the Pump have Bi-Directional Function to Make Suction from Shore and/or from Another Vessel
		Delivery	: 2023

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Power connections

