

DEEP NARWHAL



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The Deep Narwhal is a purpose built hybrid hydrographic survey vessel. The vessel can be deployed for various projects related to hydrographic, geophysical, UXO and environmental surveys for nearshore shallow waters.

With the hybrid propulsion the vessel is sustainable, generates less noise for better data quality and enhances marine ecosystem conservation. The survey equipment can be tailored to project specifics which makes it a multi-purpose vessel for executing surveys in shallow nearshore and inshore waters. With the use of HVO100 and electric propulsion we are able to survey in the more challenging areas.

- For example, in rivers where we require more power to go up the currents;
- To survey in protected wildlife area's which are not accessible by boat trailer and have a transit from the nearest port, but we can still survey without emissions and noise;
- Or navigate in busy shipping lanes and with the engines have some extra safety while surveying.

General vessel information		Survey equipment	
Vessel name	Deep Narwhal	GNSS	Septentrio/Trimble
Type	Hybrid survey vessel	MRU/Gyro	Ixblue Octans IV
Owner	Deep BV	MBES	R2Sonic 2024
Operator	Deep BV	SSS	Edgetech 4125
Builder	Stormer	MAG	Geometrics G-882
Classification	Ce-B module B+F	UXO	Iron Lady Compact
Flag	Dutch	SBP	Innomar Standard
*survey equipment can vary per project based on local conditions or client requirements.			

Main characteristics		Machinery	
Length	6.53 meter	Engines	Inboard 1x Yanmar 4LV195 – 143 kw (1 x 190 HP)
Breath	3.00 meter	Electric propulsion	2 x Torqeedo Cruise – 2 x 4 kw (2 x 10 HP)
Draft	0.45 meter	Fuel Consumption	
Gross Tonnage	4		
Maximum speed	30 kts	Transit	25 L / hour
Cruising speed	18 kts	Survey	10 L / hour
Moonpools	1 (multi sensor)	Electric Survey	4 hrs @ 3.5 kts
A-Frame	N.A.		
Hydraulic Crane	N.A.		

