

MIRANDA



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Multi purpose support vessel Miranda is the second in a series of “green” vessels. MPSV Miranda was delivered in 2016 and converted in 2024 into a state-of-the-art survey vessel, marking a significant milestone for Deep BV.

This transformation enhances our survey capacity, offering high workability, low fuel consumption, and advanced survey equipment. The vessel features a gondola with integrated Dual Head MBES/SBP/USBL, a 5T SWL A-Frame for towing our new 6x2 Iron Lady UXO Gradio setup. With accommodation for 12 project crew and a build year of 2016, Miranda is set to expand our survey operations.

Key Highlights:

- High Workability: Smaller size offers higher manoeuvrability, while maintaining high workability compared to larger vessels.
- Low Fuel Consumption: Commitment to sustainable operations with reduced environmental impact. The Vessel is HVO 100 ready.
- Acoustically Silent Diesel Electric Propulsion: Minimizing noise pollution and enhancing operational efficiency.

The vessel is suitable for a wide range of multidisciplinary surveys, including sub-sea cable detection, offshore site surveys, environmental assessments, and UXO detection surveys for offshore wind farms.

General vessel information		Survey equipment	
Vessel name	Miranda	GNSS	Trimble RTK/Marinestar
Type	Multi purpose vessel	MRU/Gyro	Octans IV
Owner	Rederij van Laar	MBES	Dual head/ Dual Swath Kongsberg EM 2040
Operator	Deep BV	sSSS	Edgetech 4205 (super side scan sonar)
Builder	Trico Shipyards	MAG	Geometrics G-882
Classification	RINA Unrestricted nav.	UXO	Iron Lady ROTV 6x2
Flag	San Marino	SBP	Innomar Medium
Accommodation	Total 22 Berths. 5 vessel crew, 12 survey/client crew	*survey equipment can vary per project based on local conditions or client requirements.	

Main characteristics		Machinery	
Length	33.59 m	Engines	3x Cummins K19DM
Breadth	8.70 m	Output	1950 BHP
Draft	4.25 m	Propulsion	2x Azimuth thrusters
Gross Tonnage	397	Fuel Consumption	
Maximum speed	10 kts	Transit	200 L / hour
Cruising speed	9.8 kts	Survey	70 L / hour
Moonpools	1	Standby	10 L / hour
A-Frame	5 t SWL	Fuel tank capacity	184.700 L
Hydraulic Crane	1.2 t		

