



## 21m Semi-Hybrid Fish Farm Service Vessel - MCA Cat 2 – 60 miles offshore

- 37 kWh battery pack – 24 hours power for living quarters so no generator required overnight or on weather days to reduce noise, fuel and carbon footprint
- general site service duties
- custom designed deck layout for mooring work
- capacity for 2 x ISO
- bollard pull approx. 8 ton
- deck cargo 90 ton; capacity for 2 x 20 ft containers and 1 x 10 ft container
- fuel and water transfer



<b>General:</b>	<b>Type of vessel</b>	21m Fish Farm Service Vessel
	<b>Class</b>	MCA Cat 2 – 60 miles offshore
	<b>Yard</b>	Nauplius Shipyard
	<b>Year of build</b>	Delivery May 2024
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<b>Dimensions:</b>	<b>LOA</b>	21 m
	<b>Beam</b>	8.35 m
	<b>Depth</b>	2.5 m
	<b>Draft (approx)</b>	1.8 – 2.3 m
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<b>Tank Capacities:</b>	<b>Fuel</b>	14 m <sup>3</sup>
	<b>Fresh water</b>	12 m <sup>3</sup>
	<b>Transfer pumps</b>	6 m <sup>3</sup> /hr
	<b>Ballast</b>	40 m <sup>3</sup>
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<b>Performance:</b>	<b>Speed</b>	8 kts (11 kts max)
	<b>Bollard pull</b>	8 ton (tbc)
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<b>Propulsion System / Aux Equipment:</b>	<b>Main engines</b>	2 x Doosan 4L126TI
	<b>Total power</b>	900 hp
	<b>Propellers</b>	Twin screw, fixed pitch props with high lift rudders
	<b>Generator sets</b>	1 x 120 kW (240-415V 3ph) and 1 x 20 kW
	<b>Battery pack</b>	37 kWh capacity
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<b>Deck Layout</b>	<b>Deck crane fwd</b>	72 ton/m; max outreach 19 m with remote
	<b>Deck crane aft</b>	30 ton/m; max outreach 16 m
	<b>Main winch</b>	15 ton
	<b>Tugger winch</b>	4 ton
	<b>Anchor windlass</b>	2 ton
	<b>Capstan winch</b>	3 x 5 ton
	<b>Deck area/dimensions</b>	136 m <sup>2</sup> ; 19 m x 8.3 m
	<b>Dry hold</b>	30 m <sup>3</sup>
	<b>Deck cargo</b>	90 ton
	<b>Container capacity</b>	2 x 20 ft & 1 x 10 ft container
	<b>Bow door</b>	Hydraulic bow loading ramp
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<b>Accommodation:</b>	4 persons	Heated living space
	1 x 2 berth cabins	Shower/toilet
	2 x 1 berth cabin	
	Changing/drying area with toilet	
	Separate galley / mess room	