



# hydronaut

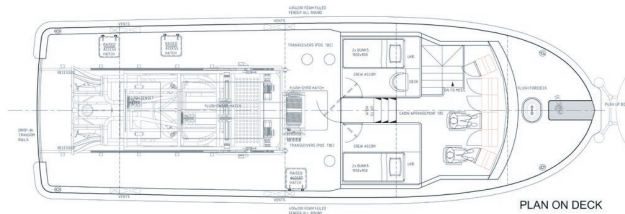
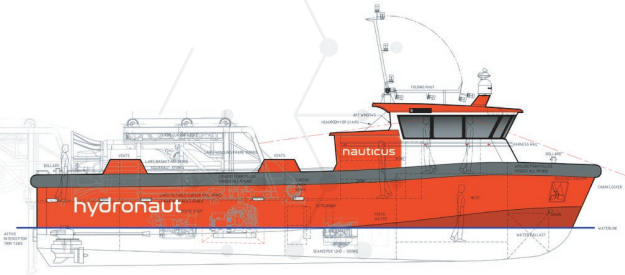
Net-zero transport — with or without a crew.

[NAUTICUSROBOTICS.COM](https://www.nauticusrobotics.com)

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GREEN ROBOTICS FOR A BLUE ECONOMY

# Specifications



Maritime movement reimagined.

## REMOTE & AUTONOMOUS CONTROL

Pilot Hydronaut to its destination remotely or pre-plan a route for the craft to travel on its own. No captain is necessary. The crew is optional, as well.

## SAFE SAILING

Hydronaut instantly makes any mission safer through remote operation and automated deployment of cargo.

## REDUCED EMISSIONS

The engines utilized by Hydronaut emit less carbon into the atmosphere than gasoline-fueled alternatives.

### GENERAL SPECIFICATIONS

Construction Material:	Aluminum	Flag:	UK
Classification:	DNV-GL 1A HSLC R1 Service, MCA Workboat Code Category 1		

### DIMENSIONS

Length Overall:	17.95 meters (58.89 feet)	Beam Overall:	5.90 meters (19.36 feet)
Draft Overall:	1.20 meters (3.94 feet)	Maximum Displacement:	36.5 tonnes (80469 pounds)

### TANK CAPACITIES

Marine Gas Oil:	5000 liters (1320.86 gallons)	Fresh Water:	250 liters (66.04 gallons)
Gray Water:	250 liters (66.04 gallons)	Ballast Water:	2600 liters (686.85 gallons)

### PROPULSION

Main Engines:	2 x Volvo Penta DI3-900	Sprint Speed:	21.0 knots
Service Speed:	18.0 knots		

### ELECTRICAL EQUIPMENT

Network:	24-volt DC, 400/230-volt 50-hertz AC	Generator Sets:	1 x NANNI QLS 65T 52kW 1 x NANNI QLS 32T 23.4kW
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### RIDE CONTROL & COMFORT

Roll Reduction:	SMART Gyro SG80	Trim Control:	Humphree Interceptors
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### AUTONOMY/REMOTE PILOTING

Provider:	Marine AI	Type:	Guardian AI Autonomy Suite
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### DECK EQUIPMENT

UAV Deployment:	Kongsberg Subsea UAV LARS	UAV Equipment:	Nauticus Robotics Aquanaut
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### ACCOMMODATION

Main Deck:	2 twin cabins	Below Deck:	Mess seating / table galley / shower compartment
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### NAVIGATION & COMMUNICATION:

Main Radar:	Furuno FAR2218BB 12 kilowatt	AIS:	Furuno FA170
Echo Sounder:	Furuno FE800	GPS:	Furuno GPS170
Speed Log:	Walker 7070	Weather Station:	Airmar 200WX / RD33
VHF Radio:	2 x Icom GM600 DSC VHF	GMDSS:	Iridium LT3100S 4G system 2 x Wi-Fi mesh radio
Satellite Communication:	2 x VSAT - KVH V3 HTS	CCTV:	8 x Hikvision IP cameras Hikvision 16-channel NVR Furuno MU190 19-inch display
Environmental Awareness:	8 x Hikvision IP cameras 4 x FLIR Boson cameras 1 x FOV 90-degree camera Ouster OSI-128 Gen2 LIDAR		