

## iBOAT ZERO EMISSION WORKBOAT



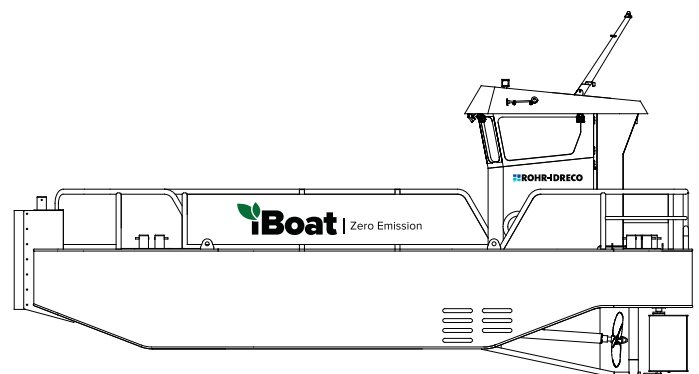
### INNOVATIVE – SUSTAINABLE – ROBUST

ROHR-IDRECO has been designing and manufacturing fully-electric driven dredgers since the 1960s and has more than 600 vessels in use at mining and dredging operations worldwide. ROHR-IDRECO vessels are often deployed in “water protection areas” and environmentally sensitive mining locations as well as urban centers, where zero emission, maximum energy efficiency, and reduced noise pollution are key factors in both permit-approval processes and subsequent operation.

#### Zero emission support operations

To complement our portfolio of zero emission dredge systems, we are excited to announce the introduction of a 100% electric driven, high-end workboat, proudly named the “iBoat”. Developed in collaboration with Groeneveldt Marine Constructions and built in the Netherlands to the highest standards, the workboat is equipped with a 200 kW propulsion battery pack that can either be charged from onshore or the dredger, a deck crane and a quality cabin. It can be further customized and upgraded from an extensive range of options.

As like many dredgers in the ROHR-IDRECO portfolio, the workboat is designed to be “containerized”, allowing it to be conveniently transported worldwide in 40-foot containers and reassembled quickly and easily on-site.





## TECHNICAL SPECIFICATIONS

### GENERAL

<b>Basic functions:</b>	Anchor handling, mooring, support
<b>Classification:</b>	CE

### DIMENSIONS

<b>Length o.a.:</b>	11.55	mtr
<b>Beam o.a.:</b>	5.30	mtr
<b>Depth at sides:</b>	1.90	mtr
<b>Draught AFT (empty):</b>	1.25	mtr

### TANK CAPACITIES

<b>Fresh water:</b>	1.5	m3
<b>Hydraulic oil:</b>	0.8	m3

### PROPULSION SYSTEM

<b>Main engines electric:</b>	2 x Electric engine 100 kW each
<b>Total power:</b>	200 kW
<b>Propellers:</b>	850 mm
<b>Nozzles:</b>	No
<b>Steering gear:</b>	Hand hydraulic
<b>Total batteries:</b>	min. 2 x 132 kWh

### DECK LAYOUT

<b>Anchor:</b>	1 x 40 KG
<b>Deck crane:</b>	Fassi F 225
<b>Towing hook:</b>	option
<b>Bow roller:</b>	Yes
<b>Anchor handling winch:</b>	7 ton

### PERFORMANCES

<b>Bollard pull ahead:</b>	4.2 ton
<b>Speed:</b>	7.0 knots

### AUXILIARY EQUIPMENT

<b>Hydraulic system:</b>	E-driven 15 kW
<b>Alarm system:</b>	Yes
<b>Bilge pump/GS pump:</b>	Yes
<b>Freshwater system:</b>	Option
<b>Spuds:</b>	Option

### NAUTICAL AND COMMUNICATION EQUIPMENT

<b>Searchlight:</b>	Yes, 1000 Watt
<b>Compass:</b>	Handheld
<b>GPS:</b>	Yes
<b>Echo sounder:</b>	Yes
<b>VHF:</b>	Sailor RT 6248
<b>Hand held VHF:</b>	Yes
<b>Autopilot:</b>	Option
<b>Intercom:</b>	Option
<b>Radar system:</b>	Option
<b>NAVTEX:</b>	Option
<b>SART:</b>	Option
<b>AIS:</b>	Option
<b>EPRIB:</b>	Option

### ACCOMMODATION

Wheelhouse for 2 persons