

iBOAT ZERO EMISSION WORKBOAT



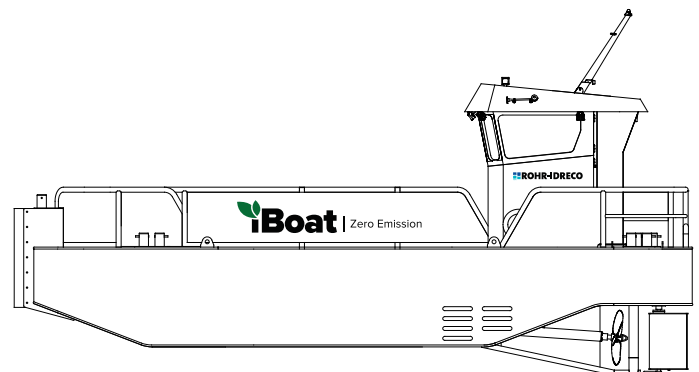
INNOVATIVE – SUSTAINABLE – ROBUST

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

Basic functions:	Anchor handling, mooring, support
Classification:	CE

DIMENSIONS

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

TANK CAPACITIES

Fresh water:	1.5	m3
Hydraulic oil:	0.8	m3

PROPULSION SYSTEM

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

DECK LAYOUT

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

PERFORMANCES

Bollard pull ahead:	4.2	ton
Speed:	7.0	knots

AUXILIARY EQUIPMENT

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

NAUTICAL AND COMMUNICATION EQUIPMENT

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

ACCOMMODATION

Wheelhouse for 2 persons