Subsea & Offshore Support Vessel

HBC SUPPORTER

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HYPERBARIC CONSULT
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HBC Group is a dynamic group with broad and diverse experience within the field of diving support for offshore construction, hyperbaric management, underwater and topside engineering and inspection.

HBC has participated in several different wind farm projects in Europe and is a very experienced company within all subsea aspects of wind farm development, IMR (Inspection, maintenance, and repair) and NDT testing.

The Diving System

Modern diving systems including IMCA standard twin lock Decompression Chamber along with professional underwater hydraulic tools, ROV Support, long reach crane, subsea tracking, and surveying, ensures efficient and safe operations during completion of the project.

HBC SUPPORTER uses a four-point mooring system, Wartsila/Transas chart plotter, ARPA Radar, AIS, DGPS, Autopilot, Echo sounder and QINSy Survey System to provide an accurate, safe, and stable working platform for subsea projects. HBC SUPPORTER offers diving to a maximum depth of 50 meters. Substantial bottom times can also be achieved at this depth using the latest equipment available in the industry.

The Survey System

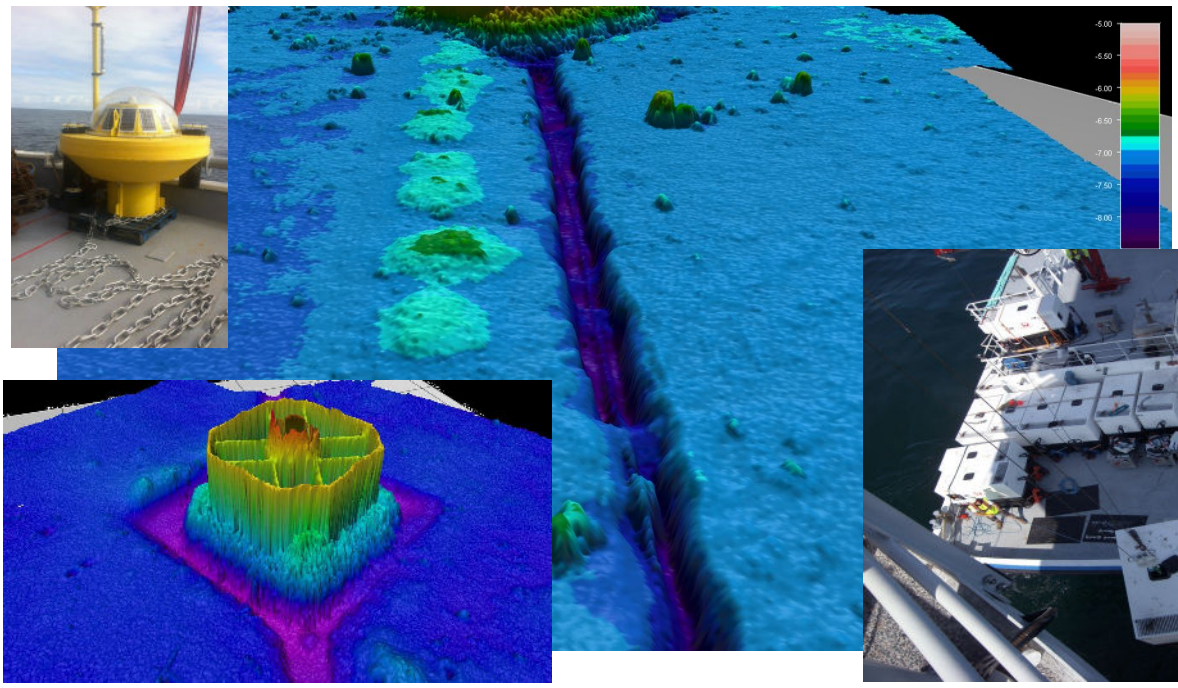
The vessel can be equipped with a pole-mounted Multibeam Echosounder (MBES) and an A-frame for deploying the Side Scan Sonar (SSS). The MBES pole is mounted on the port side using custom-made brackets, while the SSS is deployed via a stern-mounted A-frame, which can also be utilized for bottom profiling.

Additionally, a USBL transducer compatible with the onboard QINSy system can be mounted on the ship's side, further enhancing survey capabilities

The work

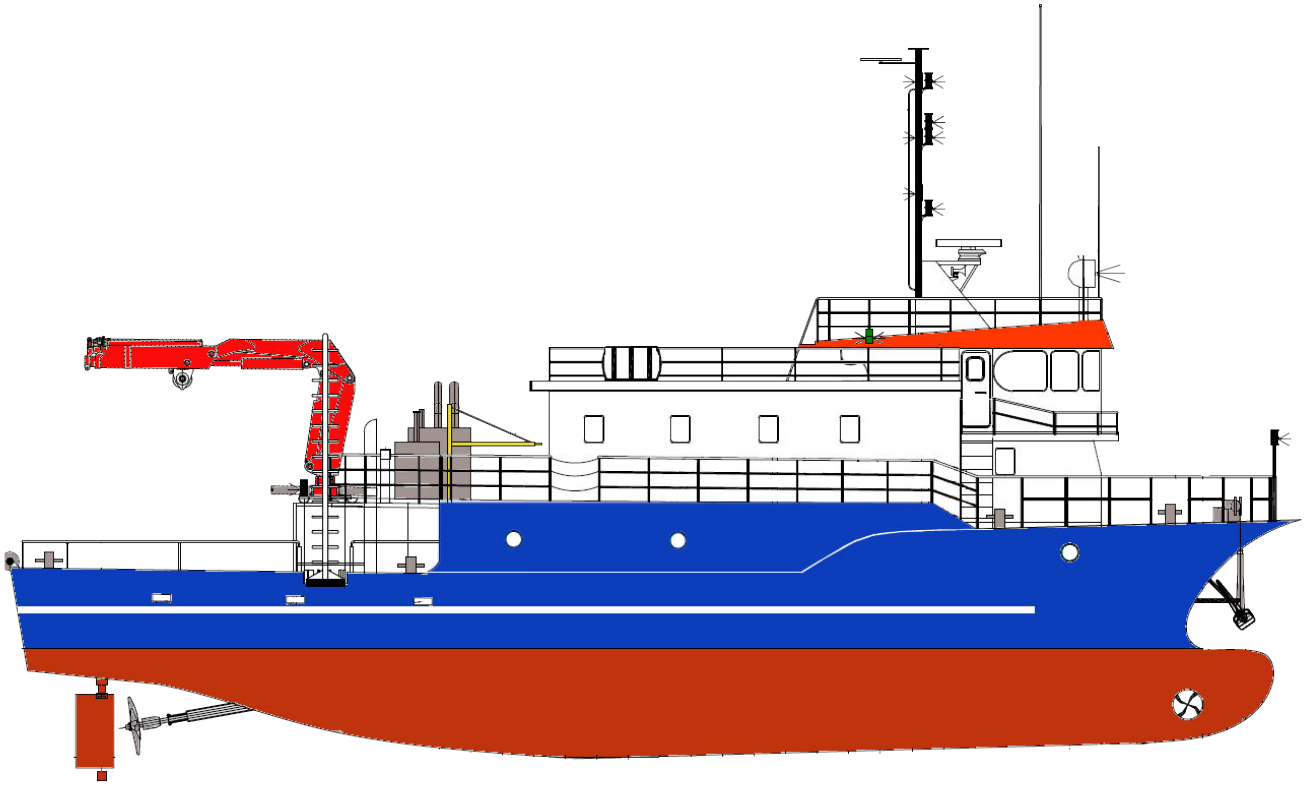
HBC SUPPORTER can conduct offshore surveys, trenching and conducting ROV operations. The vessel has wide experience in offshore construction and maintenance. The capability of HBC SUPPORTER's services can additionally be extended to include transporting fuel, oil, freshwater, general cargo, and personnel. The vessel is also capable of deploying and recovering wave buoys, cardinal buoys, recovery of field debris and markers.

HBC SUPPORTER has been used as a service vessel and diving platform during inspection campaigns on the majority of the UK and European windfarms. HBC SUPPORTER has fueled, serviced, and maintained the generators used during the construction phase on various windfarms. Once the generators were no longer required, HBC removed them form each location at a cost-effective solution.



The ship

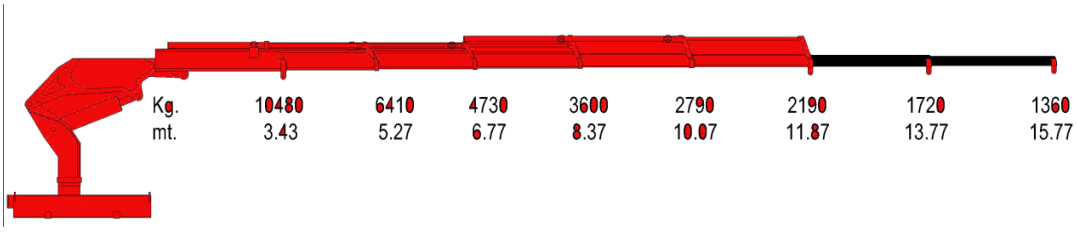
Subsea Support Vessel HBC SUPPORTER is a 25-meter long, four-point mooring vessel built in 2008. She has been specifically set up and equipped for providing diving support for offshore construction, Inspection, Repair and Maintenance and adopted for hydrographic surveys.



DECK CRANE

Hydraulic knuckle boom
Wire length 60 m

Max reach and load:
1,4 mt @ 15,8 m
10,5 mt @ 3,4 m



● Diving support ● ROV support ● Inspection
● Repair & Maintenance ● Survey● Offshore support
Cargo transport (fuel, oil or fresh water) ● Guard Vessel

HBC SUPPORTER can deliver 30 m3 of fuel offshore for refueling generators

GENERAL SPECIFICATIONS

Type	Diving Support Vessel
Flag State Authority	Denmark
Port of Registry	Gilleleje
Classification Authority	RINA
IMO Number	8741325
Call Sign	OUZB2

MAIN PARTICULARS

Overall Length	28,65 m
Beam	9,27 m
Summer Draught	2,47 m
Air Draught	13,30 m
Gross Tonnage	264 GT
Net Tonnage	79 NT

ENGINE POWER & PROPULSION

Engine 1	381 kW
Engine 2	368 kW
Generator 1	89 kW
Generator 2	89 kW
Bow Thruster	90 kW

SPEED

Economical Speed	10 knots
Full Speed	12 knots

CONSUMPTION

In port	0,1 m3 / 24 hrs
Transit & diving operations	1,5 m3 / 24 hrs

TANK CAPACITIES (100%)

Fuel Oil	38,0 m^3
Fresh Water	33,9 m^3

CARGO DECK

Main Deck Area	80 m^2
Upper Deck Area	8 m^2
Bridge Deck Area	58 m^2

DECK CRANE

Type	Hydraulic knuckle boom
Wire length	60 m
Main Crane max reach and load:	1,4 mt @ 15,8 m
	10,5 mt @ 3,4 m

PERSONNEL

Crew	5 pers
Project team	8 pers

DIVE SYSTEM

IMCA D023 Dive system in palace
Twin lock dive chamber on board
Diving depths up to 50m

SURVEY SYSTEM QINSy

ROV N/A

NAVIGATION AIDS

Furuno Integrated Navigation System:

ECDIS Map	Wartsila Navi-Sailor 4000
Radar ARPA	Furuno NavNet
AIS	Furuno AIS FA-150
GPS/Compass	Furuno Satellite compass SC-50
GPS	FURUNO 0175
DGPS	C-NAV 3050
Auto pilot	Navtron NT 921 Mk 2
Echosounder	JRC 7FC-130/130HP
Windmeter	Windex System - Clipper
Crew Finder	MOB Precision Direction Finder RT202

COMMUNICATION SYSTEMS

Satellite Internet	Starlink Mobile
GSM Internet (5G)	Sputnik GSM
Marine Satellite Phone	LT-3100 Iridium
VHF Sailor	RT5022 DSC short range
VHF ICOM	IC-M505
UHF Motorola	CM140

IMCA

CMID	M 149 & M 189 compliant
Diving Services and Systems	compliant