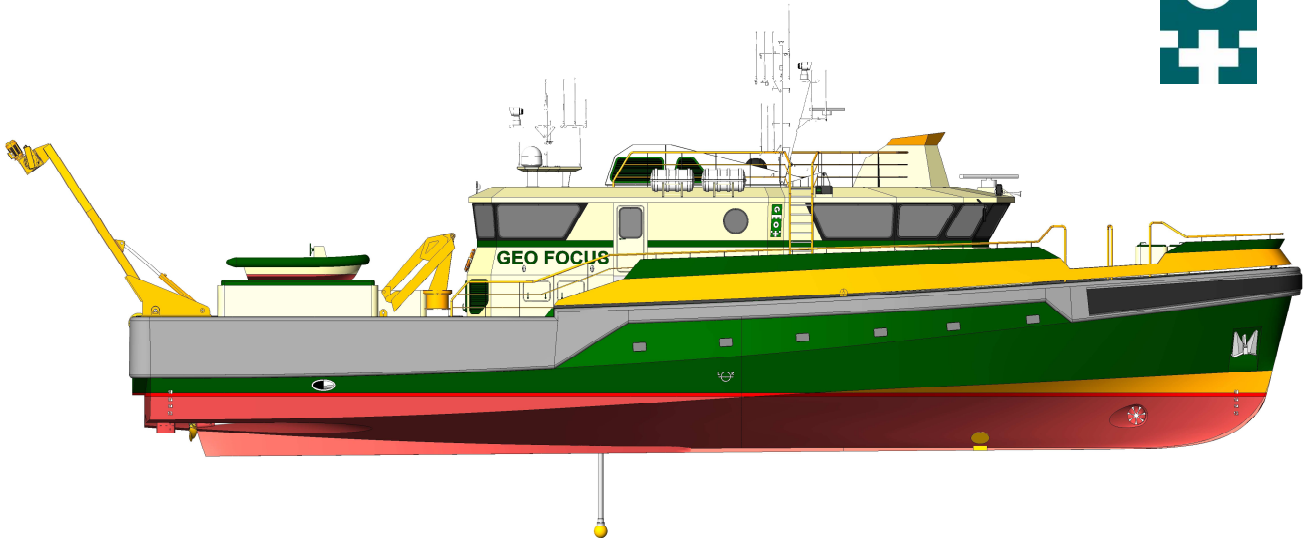


Geo Focus

35 m Hybrid Survey / ROV support Vessel
✠100 A1, SSC, Workboat Mono, G3, [✠] LMC, UMS, EP, LR Green Passport
LR Class up to 200 nm; DP class 1

Range 650nm; Operational 24 h / 7 days / 10 - 14 days full operations



Owner	Geo Tender IV BV
Name	Geo Focus
Port of registry	Eemshaven
Flag	The Netherlands
Building Year	2011
Builder	De Haas Maassluis, Netherlands
LOA	34.50 m
LPP	32.07 m
LWL	32.84 m
Gross Tonnage	160 t
Moulded Breadth	7.83 m
BOA	8.33 m
Depth	4.23 m
CWL	2.00 m
Freeboard @ CWL	2.43 m
Draft	1.90 m
Displacement (Design) ΔD	183 t
Displacement (CWL) ΔCWL	203 t
Height with mast down	10.60 m
Deckspace	55 m ²
Engines	2x Caterpillar C18 ACERT 651 kW @ 2200 rpm (6 Cil. In-line)
Engine power	2x 651 kW
Bow thruster	2x Voith Inline Thruster VIT 380-50
Maximum Speed	max. 17 knots
Maximum Speed (Hybrid)	max. 9 knots
Generator + inverter	2x John Deere Genset 209 kW @ 1500 rpm 1x emergency generator
Gearboxes/ Diesel-Electric propulsion	Reintjes 344 RHS (Hybrid drive)
Boardnet	24 V/ 230 V/ 400 V
Bedspace	10x double cabins
Fuel Tank Capacity	17.5 m ³
Fresh Water generator	Evaporator
Fresh Water tank Capacity	2.6 m ³
Grey Water/ Black Water tank Capacity	2x 2.6 m ³ / 1x 2.6 m ³
Waste Compactor	
Dynamic position system	Alphatron/ NAVIS 4000 – DP-1 (AM)

Connectivity – 1 x VSAT; 1 x Immarsat FBB;
 3 x UMTS; on board WIFI system

HVAC systems – Electrical air conditioning
 and heating; frost protection; electric deck
 heating; window heating

Ambient conditions: min. temperature -15°C
 max. temperature van +35°C
 water temperature of -2 to + 30°C

LED Lighting systems:
 Navigation lighting, floodlights,
 intelligent interior lighting



Heavy duty deck covering
 Lifting Eyes are available and vessel can be lifted on board of a barge for e.g. transport to project site
 Aft deck – special designed grid for fitting containers, skids, etc.
 A-frame (9 m) suitable for lifting 3,5 t on the aft deck
 Knuckle boom marine crane (Heila HLMR 16-3S: 1200 kg @ 10.97 m, winch SVL: 1.2 t)
 Winch max. 20 t
 ROV skid
 MOB boat
 Storage containers
 Electrical power supply
 Working air supply
 Workshop (ER)
 Wet laboratory
 Stern roll
 Moon pool Ø 60 cm
 Observation post

Accommodation deck – 8x double-, 2x single cabins with toilet and shower each; lounge with smartscreen 46"; mess room; galley (HACCP compliant); electrical room; dry/cold stores; changing room; fitness room; freshwater unit (R/O unit); Wheelhouse Crew seats; Airco and heating in all compartments; window heating; deck heating

Wheelhouse deck – wheelhouse; survey room; lounge; toilet; desk area
Bridge – 2 online/offline survey workplaces; smartscreen 46"

Survey room – optimal panorama visibility on work deck; 4 online/offline survey workplaces; ROV control station; hydrographic control; DP control; smartscreen 46"; 19" racks. Accommodation can be set up for different operations, for instance ROV/AUV, geotechnical and geophysical activities.

Technical room – dedicated climate controlled room for technical installations and survey equipment; 19" racks

Hydrographic Equipment

Multibeam (hull mounted)	Kongsberg	EM 2040	200/300/400 kHz	0.5x1° Dual Head
		True wide band high resolution multibeam echosounder, full coverage		
Single Beam (hull mounted)	Kongsberg	EA 400	38/200 kHz	
Side Scan Sonar (prepared)				
AUV (prepared)				
Gyro/Motion reference	IXSEA	Hydrins III		
Hydrographic Positioning	C-NAV	3050		PPP/RTG/RTK/DGPS
	Trimble	SPS852		RTK/DGPS
Sound Velocity Probe	Reson	SVP 14/15		
Sound Velocity Sensor	Valeport	mini SVS		
Hydrographic Software	QPS/Reson	QINSy 8/PDS2000		
USBL positioning system	HIPAP	501		

Crew	2x 3 persons
Passengers	max. 12 persons
Rescue Boat + David	suitable for 6 persons

