

# 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

Operational 24 h / 7 days / max. of 14 days at sea

<b>Owner</b>	<b>Geo Tender IV BV</b>
Name	Geo Focus
Port of registry	Eemshaven
Flag	The Netherlands
Building Year	2011
Builder	De Haas Maassluis, Netherlands
LOA	34.50 m
LPP	32.20 m
Gross Tonnage	160 t
Moulded Breadth	7.83 m
Draught with complete stores max.	2.00 m
Height with mast down	10.60 m
Deckspace	55 m <sup>2</sup>
Engines	Caterpillar C18 ACERT
No. of Engines / Props	2 pcs
Engine power	2 x 651 kW
Bow thruster	2 x
Maximum Speed	17.0 kts
Maximum Speed	9 kts in DP/hybrid
Generator + inverter	John Deere 2x 170 kVA 1x emergency generator
Diesel-Electric/Hybrid propulsion	2x 50kW Hybrid drive
Boardnet	24 V/ 220 V/ 380 V/ 450V
Bedspace	10x double cabins
Fuel Tank Capacity	2x 5500 ltrs 2x 2600 ltrs
Fresh Water generator	Evaporator
Fresh Water tank Capacity	2.6 m <sup>3</sup>
Grey Water /Black Water tank Capacity	2x 2.6 m <sup>3</sup> / 1x 2.6 m <sup>3</sup>
Waste Compactor	



Accommodation deck: Cabins, lounge, mess room, galley (HACCP), electrical room, dry/cold stores, changing room, fitness room, freshwater unit (R/O); Wheelhouse Crew seats; Airco and heating in all compartments; window heating; deck heating

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 (9m) suitable for lifting 3 t on the aft deck
- Knuckle boom marine crane (11 m, winch SVL: 1.2 t)
- Winch max 20t
- MOB boat
- storage containers
- workshop (ER)
- wet laboratory
- moon pool Ø 60cm
- observation post

All illumination: LED

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

**Survey room** – optimal panorama visibility on work deck; ROV control room, hydrographic control, DP control, 46" smart screen

### Hydrographic Equipment (to be installed if contract requires)

Multibeam (hull mounted)	Kongsberg	EM 2040	200/ 300/ 400 kHz	0.5x1° Dual Head
		True wide band high resolution multibeam echosounder		
Single Beam (hull mounted)	Kongsberg	EA 400	38/200 kHz	
Side Scan Sonar				
AUV				
Inertial Navigation System	IXSEA	Hydrins III		
Hydrographic Positioning	Trimble			RTK-/D-GPS
Sound Velocity Probe	Reson	Sound velocity profiler SVP 15		
Sound Velocity Sensor	Valeport	mini SVS		
Hydrographic Software	QPS/Reson	QINSy 8/PDS2000		
USBL positioning system	HIPAP	501		
Bathymetric, seismic and geotechnical surveys				
Computer systems for online and offline purposes				

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