

OFFSHORE SURVEY VESSEL

# OSV NG SURVEYOR



Owned and operated by Next Geosolutions (NextGeo), the NG SURVEYOR (formerly Deep Helder) is an offshore DP2 survey and ROV vessel, providing integrated geoscience survey and construction support services worldwide.

She is equipped with most advanced survey equipment, including hull-mounted full ocean depth multibeam and sub-bottom profiler systems as well as high-spec surface and underwater positioning systems.

Acquired by NextGeo in 2024, the NG SURVEYOR delivers a wide range of services, including Marine Geophysical, Geotechnical, Archaeological, Environmental and UXO Surveys, as well as ROV Operations.

## MAIN CHARACTERISTICS

- Kongsberg class DP2 system
- Sonardyne Ranger 2 USBL system
- Full ocean depth multibeam echosounder
- Full ocean depth sub-bottom profiler
- Stern A-frame
- SubSea Man-Riding 20t offshore crane
- Accommodation for 48 persons
- 500 m<sup>2</sup> deck area with 5t/m<sup>2</sup> deck strength
- Advanced towed/ROV/ROTV-mounted survey systems





## VESSEL SPECIFICATIONS

### GENERAL INFO

<b>Vessel Name</b>	NG SURVEYOR
<b>Builder</b>	De Hoop Foxhol Netherlands
<b>Year of Build</b>	2014
<b>Flag</b>	Italian
<b>Port of registry</b>	Naples
<b>IMO</b>	9690872
<b>Call sign</b>	I B E G
<b>Class Notation</b>	RINA+HULL+MACH OFFSHORE SERVICE SHIP+DYNAPOS AM/AT-R+AUT-UMS CLEANSHIP, GREEN PASSPORT COMF-VIB-1 /COMF-NOISE-1

### MACHINERY

<b>Main engines</b>	4x Caterpillar C32 diesel engines 995 kW
<b>Electric power</b>	480 V AC-60 Hz
<b>Fuel type</b>	Gas oil
<b>Thrusters aft</b>	2x VETH 968kW each
<b>Thrusters fwd</b>	1x VETH 400kW Retractable 1x VETH 600kW Tunnel

### MAIN DIMENSIONS

<b>Length Overall</b>	64.80 m
<b>Length b.p.</b>	61.40 m
<b>Breadth mid</b>	15.77 m
<b>Depth mid</b>	6 m
<b>Draft summer</b>	4.5 m
<b>Draft min</b>	3.5 m
<b>Gross tonnage:</b>	1856 t
<b>Net Tonnage</b>	556 t
<b>Deck space:</b>	500 m <sup>2</sup>
<b>Deck loading</b>	5 t/m <sup>2</sup>

### MOONPOOLS & CRANAGE

<b>Main moonpool</b>	4m x 4m on main deck
<b>Moon tubes</b>	1.2 m diameter (Port/Starboard)
<b>Offshore crane</b>	SubSea/Mannriding 20t @ 10m, 5t @ 21.5m, hook travel 500m, max hook height above water line 25m
<b>Provision Crane</b>	1,5t @ 8.8m, hook travel 50m
<b>Stern A-Frame</b>	4x4 m 6t (optional 10m 20t)



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### DP2 SYSTEM

<b>DP System</b>	Kongsberg type K-POS-DP-21 Green DP
<b>DP References</b>	Sonardyne Ranger 2 Pro USBL, 3x DGPS, CyScan Laser, 2x Wind, 3x Gyro, 2x MRU 5, D

### TANK CAPACITIES

<b>Fuel oil</b>	350 m <sup>3</sup>
<b>Potable water</b>	350 m <sup>3</sup>
<b>Ballast water</b>	350 m <sup>3</sup>

### CONSUMPTION

<b>Max speed</b>	13 m <sup>3</sup> /24 hrs
<b>Service speed</b>	7 m <sup>3</sup> /24 hrs
<b>DP mode</b>	4 m <sup>3</sup> /24 hrs
<b>Harbour mode</b>	1 m <sup>3</sup> /24 hrs

### 4-POINT MOORING

<b>Anchors</b>	4x Flipper Delta 2500kg (40te Holding)
<b>Wire aft</b>	2x 1300m diameter 36mm
<b>Wire fwd</b>	2x 1000m diameter 36mm

### ACCOMMODATION

48x Total bunks
10x 1 man cabins
19x 2 men cabins
1x Survey room
1x Server room
1x Online room
1x Offline room
1x Client office
1x Ships office
1x Changing room





## KEY SURVEY EQUIPMENT

### HEADING, ATTITUDE & POSITIONING

<b>Primary POS</b>	Kongsberg Seapath 385 w. MGC-R3
<b>Secondary POS</b>	2x C-NavX3 GNSS Receiver
<b>Heading/MRU</b>	2x Exail Octans Surface
<b>INS</b>	Kongsberg Seapath 385 w. MGC-R3
<b>USBL</b>	Sonardyne Ranger 2
<b>Nav System</b>	QPS QINSy

### HULL-MOUNTED SURVEY SYSTEMS

<b>MBES</b>	Kongsberg EM304 MKII Kongsberg EM712 Kongsberg EM 2040 MKII
<b>SBES</b>	Kongsberg EA400
<b>SBP</b>	Kongsberg TOPAS PS18
<b>SVS</b>	Valeport MiniSVS
<b>Draft</b>	Valeport IPS

### ADDITIONAL EQUIPMENT (AS REQUIRED)

Inspection ROV and WROV  
 ROTV MacArtney Focus 2E  
 ROTVs Eiva Katria Scanfish  
 Vibrocorers, Gravity/Piston/Box Corers, Grab Samplers  
 PCPTs / TRT  
 Geophysical Survey Systems ROV/ROTV-mounted or towed  
 Gradiometer Survey Systems ROV/ROTV-mounted or towed  
 2D/3D UHRS Seismic Spread  
 Environmental Survey Systems  
 Geophysical & Geotechnical winches  
 Off-line Software Packages  
 Other project-related survey equipment, as required

