



CLASSIFICATION / FLAG / REGISTRATION

Vessel name	N-Sea Pathfinder
Owner	Hanzevast Shipping 5 B.V.
Flag	Dutch
Call sign	PBYN
IMO number	9545663
Port of registry	Zierikzee
Built	2010
Builder	De Hoop Shipyard, Foxhol, the Netherlands
Range / Endurance	28 days
Classification	Lloyds Register \star 100A1, \star LMC, DP(AA) / Class II

GENERAL DIMENSIONS

Length overall	61.87 m
Length between perpendiculars	57.27 m
Air draft (mast down)	27.50 m
Breadth overall	12.80 m
Depth (to main deck)	5.50 m
Draft (summer)	4.65 m
Gross tonnage	1659 t
Light ship weight	1024 t

DYNAMIC POSITIONING

Dynamic positioning <i>General Description</i>	Navis, Trimble DGPS, CNAV 3050 DGPS, Tautwire system, 3x Gyro compasses, Sonardyne Ranger 2 USBL, 2x Vertical Reference, 2x Wind sensor, Cyscan (Interface only)
Dynamic positioning <i>Full Description</i>	DP System Navis IVCS-22 DP Classification LR DP (AA) Class II 1x Trimble MPS865 GNSS Receiver 1x CNAV 3050 GNSS Receiver 1x Tautwire System DPS Offshore Gyro Compasses 2x Alphatron Minicourse 1x TSS Meridian Surveyor 1x Sonardyne Ranger 2 USBL 2x Vertical Reference Units Navis 1x Motion Reference Unit Kongsberg MRU-H 2x Wind Sensors Observator instruments OMC-118 1x Cyscan (Interface only)

ACCOMMODATION

Single cabins	3 pax
Double cabins	22 pax
Triple Cabins	3 pax
Quadruple cabins	12 pax
Total accommodation	40 pax
Comfort cabins / Cabin outfitting	High standard accommodation for 40 people.
Crew facilities	Ship's office; Surveyor's Work space; Client office; 2x Project office; Recreation Area; Messroom.

DECK

Deck space	360 m ²
Deck strength (UDL)	5 t/m ²
Deck crane(s)	Sormec Marine Crane, Type M650/1S 25 mT @ 10 m 14 mT @ 14 m 25,0 t @ 8,0 m
Moonpool	1 x 3000 x 3600; 2 x ø 1000
Provided (deck) power	480 V/440 V/230 V/60 Hz
Facilities	80 m ² under deck hold. Main deck fitted with container fittings.

MACHINERY / PROPULSION

Main engine(s)	2x 910 kW (Caterpillar C32) EPA Tier 3, IMO II 2x 550 kW (Caterpillar C18) EPA Tier 3, IMO II
Gearboxes / DieselElectric propulsion	2x 900 kW Veth VZ-1250 Azimuth Thruster
Bow thruster	2x 350 kW Veth VZ-400 Tunnel Thruster
Generator(s) + inverter	1x 105 kW (Caterpillar C4.4)

SPEED / CONSUMPTIONS

Speed (max.)	12 knots
Transit speed	10 knots (9m ³ /day)
Survey speed (hybrid)	4 knots (4m ³ /day)
DPI	3 m ³ /day
DPII	4 m ³ /day

CAPACITIES

Fuel	589 m ³
Fresh water	217 m ³

SURVEY EQUIPMENT

Multibeam	1x Reson 7125 Multibeam
Singlebeam	1x Echosounder (200 kHz / 50 kHz) JRC JFE-830
USBL positioning	USBL - Sonardyne Ranger 2
Gyro / motion reference	1x IXBlue ROVINS 1x POSMV Inertial MRU + Backup
Survey positioning	1x Veripos Ultra DGPS 1x CNAV 5000 GNSS Receiver
Sound velocity probe	Valetport monitor
Current porfiler	Valetport current meter