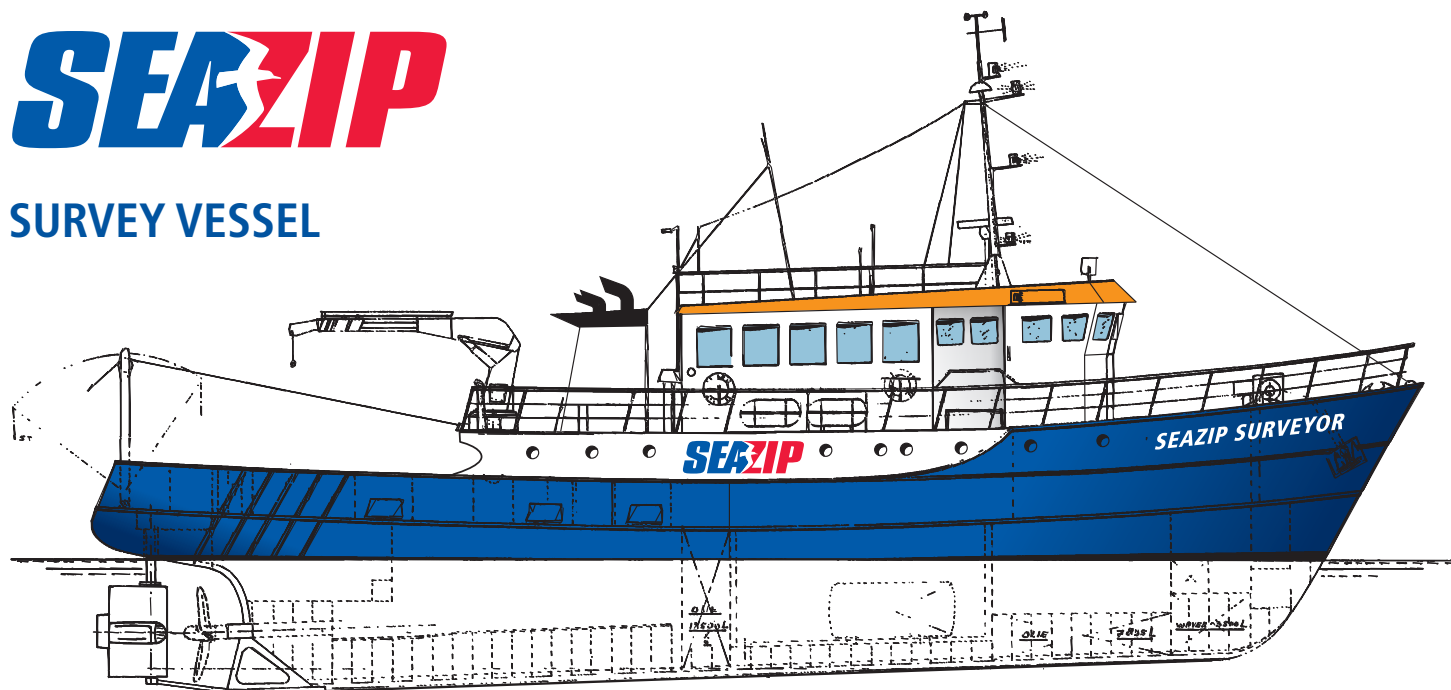




## SURVEY VESSEL



Built in 1969 by Shipyard Metz/Hoekman, Urk, The Netherlands.

Seazip Surveyor is a survey vessel tailored for 24hr hydrographic and eco survey operations.

Fully equipped to provide a flexible platform for survey teams and fitted with the latest navigational and communication electronics.

### MAIN PARTICULARS

Length b.p.p.	26.64 m
Beam max.	7.50 m
Depth	3.25 m
Max. draught	3.00 mtr.
Summer draught	2.56 m
Air draught	12.25 m
Minimum height	7.70 m
Max. speed	10 kts

### TONNAGES

Gross	174.34 tons
Nett	56.00 tons
Max. displacement	277.00 tons

### MACHINERY

Main engine	Mitsubishi S12BN
Output	584 kW at 1400rpm
Propellor	Single variable pitch
Rudder	Pleuger active rudder, 44 kW
Economical Loiterer Engine for Slow Survey	-1 to 6 Knots

### TANKS/CONSUMPTION

Fresh water	6000 ltr
Endurance	2000 miles with 10 kn
Consumption	40 ltr p/ h

### ACCOMMODATION

Berths for 8 persons, 4 crew + 4 surveyors  
Separate Galley, Mess, Showers & Toilets  
Large storage and workshop areas  
Good deck space

### SPECIAL EQUIPMENT

Multibeam/Sidescan for hydrographic surveys  
Geophysical surveys (Boomer, Sparker etc.)  
Ecological surveys (drop camera, small grabs)  
Ordnance/wreck detection surveys (magnetometer)  
Underwater acoustic surveys  
Marine traffic surveillance (AIS, radar suite)  
Harbour & wind farm radar trials  
Monitoring buoy deployment and recovery  
Navigational training

### CRANE

Palfinger PK6000ME SeaCrane  
Standard Outreach 52'  
Lift capacities at various outreaches:  
(distances from centerline) 3500 kg at 4,2 mtr  
1970 kg at 7,6 mtr  
Slewing Angle 400°

### CLASSIFICATIONS

Dutch NSI 30 miles certificate  
Flag Dutch  
MMSI 244043000  
NSI number 156  
IMO number 7013898



## ABOUT THE SHIP MANAGER



The management of SeaZip ships is carried out by the JR Shipping Group, located in Harlingen, The Netherlands, an experienced and renowned ship owning company. The shipping group operates a growing fleet of modern container feeder and multipurpose vessels sailing under Dutch flag. JR Shipping cooperates closely with experienced

maritime partners, several shipyards both in the Netherlands and abroad, and renowned shipping bankers.

JR Shipping is an efficient, flexible organisation, offering swift and effective solutions. We combine clout in ship development with well-secured quality and safety in ship management and an eye for sustainability.  
[www.jrshipping.nl](http://www.jrshipping.nl)

**SEAZIP**  
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ENERGY ACCESSIBLE



# SURVEY VESSEL BREAKER

## SPECIFICATION SHEET

DEEP BV  
Johan van Hasseltweg 39D  
1021 KN Amsterdam  
T: +31-20-6343676  
WWW.DEEPBV.NL



Multi-purpose survey vessel 'Breaker'

The Breaker is a previously Navy owned UXO detection vessel that has recently been transformed to a 24-hours multi-purpose survey platform. The vessel can be deployed for various projects related to hydrographic, geophysical and environmental surveys.

The Breaker has a very low noise emission signature thanks to the advanced hydraulic propulsion system. The vessel is fitted with the latest equipment to carry out complex surveys in remote areas. With a reinforced hull the Breaker can sail under the toughest conditions.

With her standard equipped cranes and booms the vessel fits all needs for multi-disciplinary surveys like sub-sea cable detection, offshore site-surveys, environmental surveys and UXO detection for offshore wind farms.

### Vessel Features and Capabilities

- 24-hours a day operational
- 10 day endurance on sea
- Very silent hydraulic propulsion
- Accommodation for a 7 person charter party / survey crew
- Flexible survey setup (2 moonpools)
- A-Frame (10 T)
- Various cranes, booms and winches
- Currently equipped with:
  - VRS RTK GNSS surface positioning;
  - Kongsberg HiPAP USBL sub-surface positioning;
  - Dual head R2Sonic 2014 multibeam echosounder;
  - Edgetech 4200 side scan sonar;
  - Magnetometer
  - Hi-res HF and LF seismic profilers;
  - AGO oceanographic winch.

# SURVEY VESSEL BREAKER

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### General vessel information

Ship name	Breaker
Type	Multi-purpose survey
Owner	Deep BV
Operator	Deep BV
Builder	Oskarshamn shipyard
Classification	USB 200nm
Flag	Panama

### Accommodation

Acc. total	12 berths
Acc. crew	5 berths
Acc. charter party	7 berths
Double Cabins	5
Single Cabins	5
Showers/Toilets	4 / 5
Freshwater	18.3 m3

### Main characteristics

Length O.A.	31.20 meter
Breadth	7.40 meter
Draft	2.40 meter
Gross Tonnage	245 m3
Speed max	10.6 knts
Economic speed	7 knts
Endurance	10 days between ports
Electrical systems	415, 240 V. AC 50 HZ.

### Deck Machinery

Crane # 1	Hiab 9400 KG
Crane # 2	Hiab 2000 KG
Winches	2 x 1500 kg
Booms	2

### Fuel consumption

Transit speed	50 L/hour
Survey speed	40 L/hour
Tank capacity	14 M <sup>3</sup>

