# JAN DE NUL



# BELUGA 01

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## Unmanned survey vessel



### **GENERAL SPECIFICATIONS**

6 m Length 2.05 m Width 2.6 m Height

0,5 m (excl. payload) 0.9 m Draft

with payload deployed

Inboard Yanmar LV195 with Propulsion

Hamilton HJ241 Jet BHP 195

**Electrical Torqeedo Cruise** 4.0 Backup propulsion

FisherPanda i5000 Range Extender

for Backup Propulsion

Endurance with payload

Main: 24 Hours at 4 knots Full Electric: 12 Hours at 4 knots (only batteries)

200 I Fuel capacity

Redundant

Communication links

4G (Global), WIFI (300m), Iridium (Global);

Kongsberg Maritime Broadband

Radio MBR179,

MBR 144 (Potential range up to 20 km)

Fits 20ft container **Transport** 

Integrated single point lifting slings Launch and Recovery

Special Designed LARS cradle

### **NAVIGATION FEATURES**

Navigation Lights as per maritime standards

Marine LED Bar / Survey Flash light

FURUNO DRS4D-NXT Radar

Simrad B&G V3100 Class B AIS Transponder

Remote VHF Speaker/Receiver, according to standard ETSI EN

301-929

**XEOS Tracker** 

Weather Station

Two 180 Degrees Fixed Bullet Cameras

### SURVEY PAYLOAD

Fixed moonpool with

0.52 x 0.81 m, moonpool size

payload box

Osil Winch for turbidity and SVP sensor

Multibeam Echo-

sounder

sounder

R2Sonic 2024

Singlebeam Echo-

Teledyne ECHOTRAC E20 with

Airmar M192 transducer

**DGPS** Positioning

AsteRx-U MARINE

Gyro and IMU

**SBG Navsight Apogee** 







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