





MAIN DIMENSIONS	
LENGTH OVER ALL:	APPR. 39.25 m
BREADTH MOULDED:	12.00 m
DEPTH MOULDED:	4.50 m
DRAFT, SUMMER:	MAX 3.00 m
CREW:	6
SPECIAL PERSONEL:	12
NUMBER OF CABINS:	10
NUMBER OF BEDS:	18
GROSS TONNAGE:	BELOW 500
SPEED:	12.5 knots
CLASS:	
BY 1 - Hull -A-Mech. Special service - Research Ship.	
Unrestricted Navigation - 100 nm for winter zone, 200 nm for summer zone	
ICE IC, +AUT - UMS, +DYNAPOS AMAT, +SYSNEQ-1	
FLAG:	
LITHUANIAN	

A compact catamaran-type vessel for oceanographic research. The vessel is equipped with modern hydrographic, geological, geophysical, biological equipment and integrated with high quality positioning precision advanced communication systems.

Geological and hydrographic investigations

- ▶ Sea bottom inspection & morphology
- ▶ High resolution bathymetry measurements is shallow (up to 40 m) and deep (up to 600 m) waters
- ▶ Marine biodiversity
- ▶ Soil and water sampling
- ▶ Shallow coring

Geophysical investigation

- ▶ Shallow and deep seismics
- ▶ Identification of buried objects

Hydrological investigation

- ▶ Content of suspended matter
- ▶ Current velocity
- ▶ Turbidity
- ▶ Salinity
- ▶ Pressure
- ▶ Conductivity
- ▶ Temperature
- ▶ Oxygen and other

Vessel specifications

Multibeam	Reson Seabat 7125, Monpool	Tomography	
Echosounder	Mount MRU Octans 3000, Hemisphere RTK GPS	Current profiler	Teledyne WorkHorse ADCP
Sidescan	Klein 3000, Klein 3900, Edge Tech 272TD	ROV	Mariscope Inspection class ROV
Interferometric	Geoswath Compact 500 kHz	CTD	2 x Sea&Sun CTM48M CTD90M with Inductive Curent meter ISM 2001 Teledyne NXIC CTD
Cz	2 x Geometrics G882	Water sampling	Hydrobios PRS with integrante Sea&Sun CTD - 115
Magnetometer USBL	Evologics underwater modems with USBL	Suspension sampling	3 x Multi Sediment Trap MST24
Gradiometer	TVG frame geomatrix G882	Plankton sampling	Set of Apstein plankton nets
Seismics	GeoEel Digital Streamer	Seabed sampling	Hydrobios Van Veen Grabs Vibro core VKG 3 - 3 core up to 6 m Gravity cores up to 3 m
Energy source	SIG Mille Sparker and Boomer up to 1000 J	Software	Hypack 2015 QPS QUINSy, Fledermaus, Quimera
Sub Bottom	Inomar Ses 2000 Light	Workstation	2 x HP Z820, 18 x rs232 ports, 128GB RAM, CPU Intel Xenon E5- 2680 v2, NVIDIA K5000, NVIDIA
Electric	SuperStingTM R8/IP/SP		

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