



GARANT
Diving 

PART OF GARANT GROUP

80%
of all the projects
are carried out outside
the Baltic Sea region

250
employees and
specialists

14 850
projects
worldwide

1 570
ships served
annually

8 000
m² warehouse and
workshop facilities

5M
EUR value of various
goods in stock

GARANT GROUP is founded following our passion for sea, love for people and a genuine desire to help.

Service is in our DNA. No matter who we're dealing with, no matter which solution, and no matter which division, we're determined to provide a level of service that will inspire maximum confidence among our customers. We have always been an extraordinary combination of business acumen and rule-makers and rule-breakers.

GARANT DIVING is a part of GARANT GROUP - international group of companies which offers custom solutions for port infrastructure, shipping, oil & gas industry as well as offshore wind farms in the Baltics and Northern Europe.

By operating modern research vessels, we provide high quality oceanographic research with relevant hydrographic and geophysical services to support international offshore wind farms' development projects.

Having a long-term expertise, we are also engaged in complex hydro construction works of the port infrastructure and seabed dredging projects. Experienced divers supported by fully equipped mobile diving stations carry out underwater services at the most convenient location.

Together with our reliable international partners we have established GUSPA - Global Underwater Services Provider's Alliance – in order to assist your vessels around the world.

Exceeding expectations and adding value with an open heart and mind.

Fleet and Equipment

We are dedicated to providing exceptional support for a wide range of marine activities through our specialized fleet of vessels and modern equipment.

Our fleet includes the research vessels MINTIS and BALTIC EXPLORER, alongside mobile diving stations designed for diverse operations at sea and in port.

These versatile vessels play a crucial role in numerous international projects, offering a comprehensive array of services tailored to meet various marine needs.

- ▶ Cable lay
- ▶ Remotely Operated Vehicle (ROV) support and maintenance
- ▶ CPT/ Vibrocoring campaigns
- ▶ Cable burial and remedial burial
- ▶ Seismic support
- ▶ Geotechnical activities
- ▶ Backfilling of trenches in shallow waters
- ▶ Implementation of survey activities
- ▶ Assistance during port operations and offshore wind farm construction
- ▶ Dredging activities
- ▶ Anchor handling

Ship maintenance & commercial diving services

At Garant Diving, we recognize the unique needs of the marine industry. Our team of internationally certified divers adheres strictly to safety standards, ensuring the highest level of protection during all operations.

Our underwater works division, comprised of skilled divers, has extensive experience in hydro construction and is equipped to handle a variety of challenging tasks.

We are actively engaged in the following activities:

- ▶ Vessel class inspection
(In-water survey/UWILD)
- ▶ Damage survey
- ▶ Hull cleaning & propeller polishing
- ▶ Hull repair (class approved)
- ▶ Rudder repair
- ▶ Wet welding & cutting
- ▶ Propeller repair & re-balancing
- ▶ Propeller replacement / installation PBCF
- ▶ Azimuth thruster replacement
- ▶ Tail shaft / rudder clearance measurements
- ▶ Search and recovery of lost chains, anchors and steel objects
- ▶ Blanking of sea chest
- ▶ Emergency ships salvage
- ▶ Photo and video reporting
- ▶ Port and dock underwater structures repair & maintenance
- ▶ Underwater cables installation
- ▶ SPM buoy maintenance (oil)
- ▶ LNG terminal maintenance (gas)
- ▶ Stones & wrecks removal works



Baltic Explorer

A compact research vessel designed to carry out complex oceanographic research and to support marine business with high quality hydrographic and geophysical services. The vessel provides an efficient and stable working platform to assist in survey, engineering, salvage, and diving operations.

Equipped with dynamic positioning system (DP1) and advanced integrated communication systems, she is ready to accommodate modern research equipment to provide.

Geological and hydrographic investigations of the sea floor

- ▶ Sea bottom inspection & morphology
- ▶ Soil and water sampling
- ▶ Vibro-coring and CPT testing
- ▶ ROV services

Geophysical investigation

- ▶ Shallow and deep seismics
- ▶ UXO and other buried objects

For your convenient stay onboard the vessel

- ▶ 24h accommodation facilities for 23 PAX (including crew)
- ▶ Comfortable and economical cruise at 12 knots
- ▶ Air-conditioned mess room and accommodation area
- ▶ Comfortable PC lab for surveyors
- ▶ Wi-Fi and Satellite internet facilities



Vessel specifications

General Characteristics
 Building year: 1991
 Call sign / IMO: LYBW / 8917663
 Classification BV 1 HULL • MACH (Dynapsos AM / AT)
 Type: Special service / Support vessel
 Flag: Lithuania
 MMSI n°: 277199040
 DP: 1
 VSAT: +441346490607

Power Supply

Generator set: Mitsubishi 2 x 230 KVA S6BMPTA
 Port generator: 1 -100 KVA 6D16T
 Electric system: 24 / 220 / 380 V
 Air compressor: ATLAS COPCO IP: 55, 7,25 KW 10 BAR / Capacity 250 LTR
 Nu AIR Type: NB7-14 bsa
 Hydrovane: HV 02 Model 502C 10-201-11bar

Principal Dimensions
 Length O.A: 45,6 m
 Beam O.A: 11,5 m
 Draft: 3,1 m
 Tonnage: GRT 498 / NRT 153
 Clear deck area: 300 m² (total load max 40 t)
 Length (m) x Breadth (m): 12x11 wooden area, 7x6 metal framed area
 Load Bearing Capacity: 0,2 t/m², (1 t/m² on the metal frame)

Consumption (depends on the weather)

Max speed cons: 150 L/h
 Cruising speed cons: 125 L/h
 Stand by cons: At Sea 50 L/h
 Stand by cons. In Port 20 L/h
 DP mode cons: 100 L/h

Machinery
 Main engine: Mitsubishi V16: 2x 625kW Type S16 R MPTA / Schottel AZIMUT 360° / Twin propellers Type / Schottel STP 550
 Maximum speed: 12 knots
 Cruising speed: 10 knots
 Main thrusters: Schottel AZIMUT 360° / Twin propellers Type Schottel STP 550
 Bow thruster: 1,5 T Thwart. FP thruster (f)

Control, Navigation & Communication Systems

Sounder: Furuno FE700
 Set Radar: Furuno FR 2120 X
 BAND 9 GHZ with ARPA
 Autopilot: SIMRAD AP70MK2
 GPS: MLR Valsat 2008 / MLR FX 312
 DGPS: Furuno GP-150D / GP-32
 Gyrocompass: ANSCHUTZ STD22
 SAT compass: SIMRAD MX575D
 SART: Jotron Tron Sart 20 / S100
 VHF: Furuno FM-8500 / COM-IC M330
 AIS: Furuno FA-150

Deck Machinery
 Hydraulic crane FWD: Viscovo 14T/m (800 kg @ 10,5 m)
 Hydraulic crane AFT: Hydro Armor 40T/m (2300 kg @ 11,8 m)
 Tugger winch: 10T
 Moonpool: Yes
 A-FRAME: Max SWL-12t (10t, 2t, 2t)

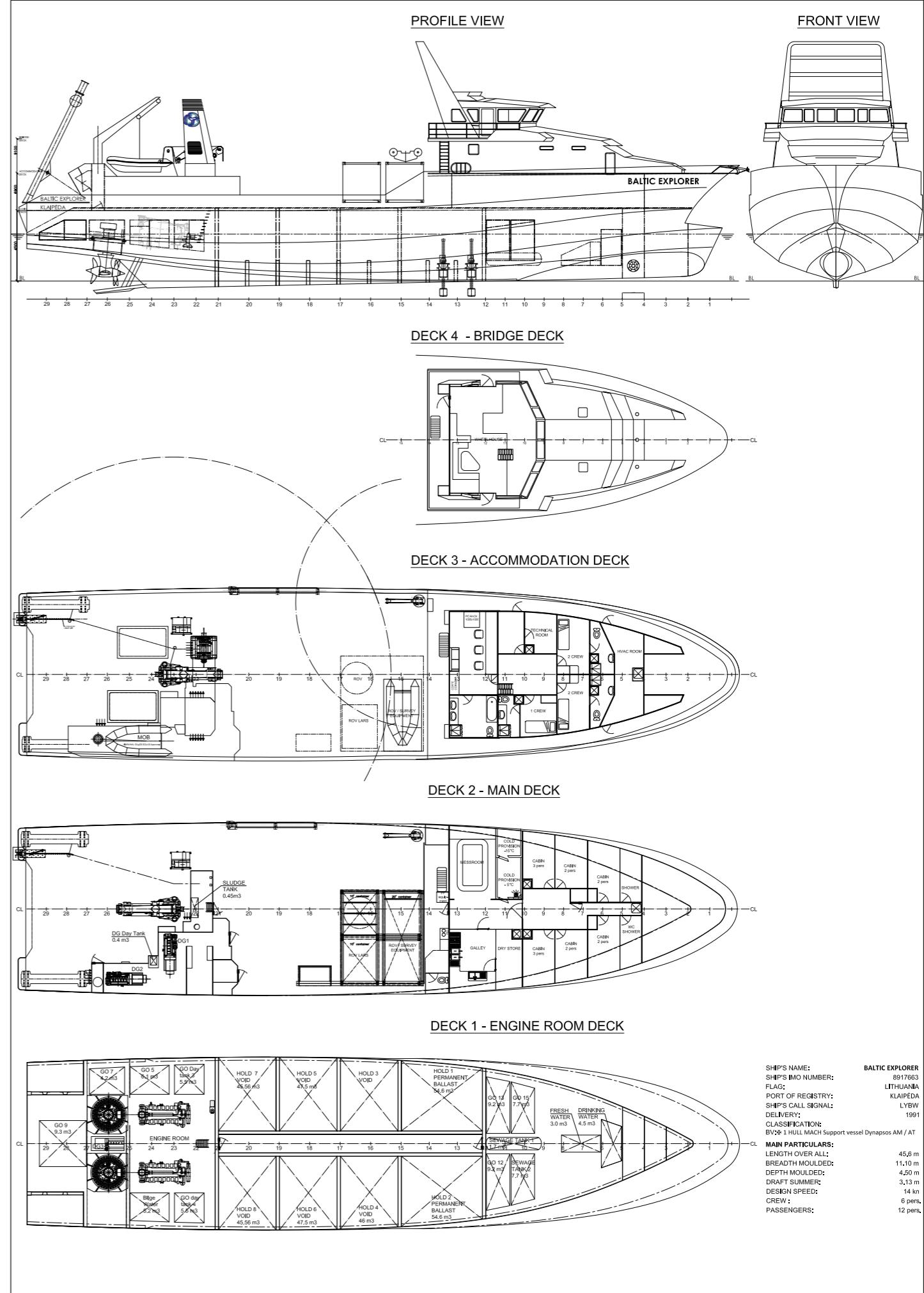
Accommodation

POB: 23
 Cabins: 1 Single / 6 Double / 2 Triple / 4 passengers in 1 TLQ (for 23 persons)

Capacities
 Fuel capacity: 56,7 m³
 Fresh water: 4,5 m³ (0,2 m³/h) with AQUA-BASE watermakers YC2-4320-07/12
 Sewage tank capacity: 9,4 m³

Various

Air-conditioning system, SPLIT-Type air conditioners MSZ-SF50VE2 electric heating in each compartment



Mintis

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 in 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

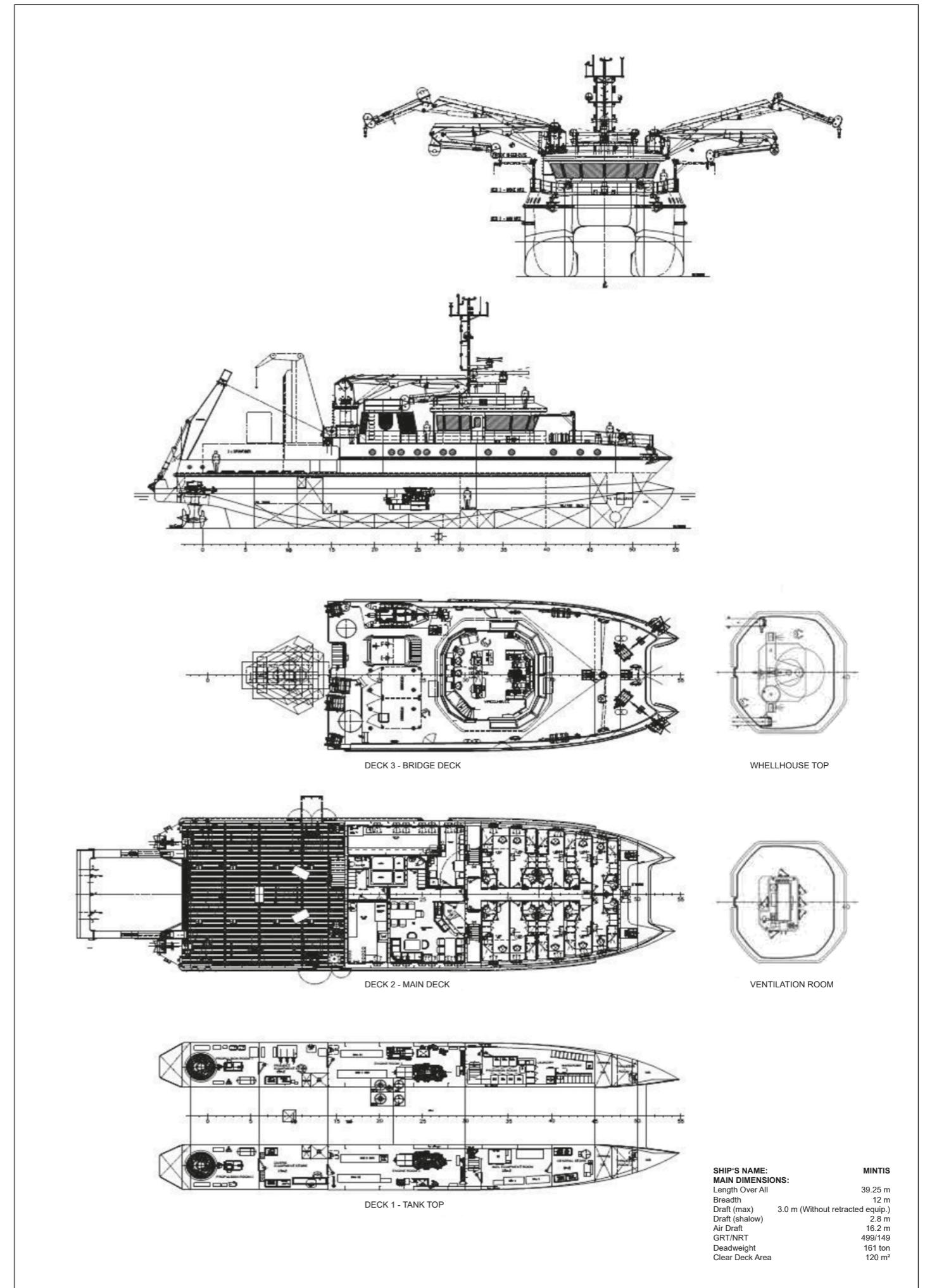
Hydrological investigation

- ▶ 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 Current meter ISM 2001 Teledyne NXIC CTD
Cz	2 x Geometrics G882	Water sampling Hydrobios PRS with integrante Sea&Sun CTD – 115
Magnetometer	Evologics underwater modems with USBL 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	



Customers who trust us



Contact us to find out more

+370 614 50149
offshore@garant.eu
v.valancius@garant.eu

Head Office
Dubysos st. 27A
LT-91181 Klaipėda
Lithuania

