



CONTACT DETAILS

Contact person	Mark van der Star	e-mail	mark@mark-offshore.com
		phone number	+316 18518126

MARK OFFSHORE

Hornweg 20
1721CV Broek op Langedijk
Netherlands

mark-offshore.com

Special Purpose DP1 Research Support ship

MINTIS

TECHNICAL
SPECIFICATION



r/v MINTIS

GENERAL

Year Built, Builder	2014, Western Baltija Shipbuilding
Registered Owner	Klaipeda University
Classification	PRS - Polish Register of Shipping
Class Notation	KM SPECIAL PURPOSE SHIP I L3 AUT NAV 1 DP1
Flag	Lithuanian
Port of Registry	Klaipėda
IMO Number	9713636
GMDSS Area	A1+A2+A3

CARGO GEAR CAPACITIES

Deck crane PS	6 tons/3 tons
Deck Crane SB	12 tons/6 tons
Aft A-frame	14 tons
Deck winches	2x7 tons (350 m), 2x3 tons (350 m)
Side A-frame	0.9 tone (200 m)
Telescopic crane	0.9 tone (300 m)

LIFE SAVING EQUIPMENT

Life Rafts	2 x 20 person SOLAS approved
MOB boat	1 x RIB boat for 6 pers, 40 HP engine
Rescue Suits	For 18 persons + 2 kids
All other life saving appliances as per SOLAS requirements	

PERFORMANCE

Max Speed	11.6 knots (consumpt.-310 l/h)
Cruise Speed	8.6 knots (consumpt.-110 l/h)
Minimum Speed	0.1 knots (DP), 2.5 knots (Autopilot)

POSITION KEEPING SYSTEMS

DP System	NAVIS NavDP4000
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4 Point Anchoring System

on bottom type

PROPULSION SYSTEM

Type	Diesel Electric
Main DG's	CATERPILLAR C32 Accert 2x804 ekW
Harbour DG	CATERPILLAR C6.6 Accert 1x143 ekW
Stern Thrusters	2 x SCHOTTEL STP 550, 700 kW each
Bow Thrusters	2 x SCHOTTEL STT 110, 150 kW each

ACCOMMODATION

Cabins for Scientists	5 double cabins
Cabins Crew	2 single and 3 double
Total	10 scientists and 7-8 crew
Comfort	Each cabin has WC/Shower and individual control of cabin heating
Other facilities	Messroom, Galey, Laundry, Workshop, Equipment store, TV

CAPACITIES

Deck Cargo	Max 40 tons
Container Capac.	2x20' and 3x10' or 5x10'
Fuel Oil	104 m ³
Fresh Water	72 m ³

NAV & COM EQUIPMENT

VHF	2 x JRC NCM-1770
SSB	JRC NCM2150
RADAR's	X-band JRC JMR-9225-6X S-band JRC JMR-9230-S
ECDIS	JRC JAN-9201
Echo sounder	JRC JFE-380
Gyro Compass	YOKOGAWA CMZ 900 / JRC JLR-31
Mag.Compass	Lilley & Gillie MK2000S
Auto Pilot	Simrad AP70
Navtex Receiver	JRC NCR-333
Main Pos. System	JRC JLR-7800
Sec. Pos. System	JRC JLR-31
DP Pos. System	FUGRO 9205
Speed Log	JRC JLN-550
AIS	JRC JHS-183

Immarsat C	JRC JUE-87
Portable VHF radio	2 x ACR SR203

SART 2 x McMURDO AIS SART

EPIRB 1 x GME MT603FG



DIMENTIONS

Length Over All	39.25 m
Breadth	12 m
Draft (max)	3.0 m (Without retracted equipm.)
Draft (shallow)	2.8 m
Air Draft	16.2 m
GRT/NRT	499/149
Deadweight	161 ton
Clear Deck Area	120 m ²

RESEARCH CAPACITIES

Geo Laboratory (Stationary)
Area - 15.3 m², Core sampling table length - 6 meters, Fume Hood, dryers and freezers.

Bio Laboratory (Stationary)
Area - 10 m², Fume Hood, water sampler containers service facility.

Mobile laboratories

Lashing points, electricity, LAN network and water supply for portable 2x20' container laboratories.

Survey Workplace

3 x Stationary Scientific work places on the Bridge; LAN and RS232 network including outer decks.

RESEARCH EQUIPMENT

Primary GPS	Septentrio AsteRx-U-Fg
Secondary GPS	Fugro SeaStar 9205
INS positioning	iXblue Rovins
Primary MRU, Gyro	iXblue Rovins
Secondary MRU	iXsea Octans 3000
Multibeam	Reson Seabat T51-R, Moonpool mounted
Echosounder	
Sidescan Sonars	Klein 3000
Cz Magnetometer	2 x Geometrics G882
Gradiometer	TVG frame geomatrix G882
Streamer	GeoEel Digital Streamer
Energy source	SIG Mille Sparker and Boomer up to 1000 Joules
Sub Bottom	Inomar Ses 2000 Light
Current profiler	Teledyne WorkHorse ADCP
Water sampling	Multiwatersampler Hydrobios PRS with integrate Sea&Sun CTD115 3 x Multi Sediment Trap MST24
Plankton sampling	Set of Apstein plankton nets
Seabed sampling	Hydrobios Van Veen Grabs Vibro core VKG 3-6 core up to 5.5 m
Software	QPS Qinsy, Qimera, Fledermaus, SonarWiz
Side pole	For temporary equip. mounting, SWL up to 200 kg.
SSS/Equipment towing winch	EIVA OceanEnviro 8.6, 6 pins cable (2 x coaxial, 2 x conductors)

USBL Sonardyne Mini-Ranger 2 USBL