



KLAIPĖDA UNIVERSITY

Research Vessel MINTIS



INTRODUCTION

R/V MINTIS is a multipurpose research vessel operated by Klaipėda University. A modern and compact catamaran type vessel is built to carry on the oceanographic research and applied marine science, provide marine engineering related services as well as train students of Klaipėda University to operate, maintain the state of the art machinery and scientific equipment. The vessel is equipped with modern hydrographic, geological, geophysical, biological equipment, high accuracy positioning and advanced-integrated communication systems.

OWNERSHIP AND IDENTIFICATION

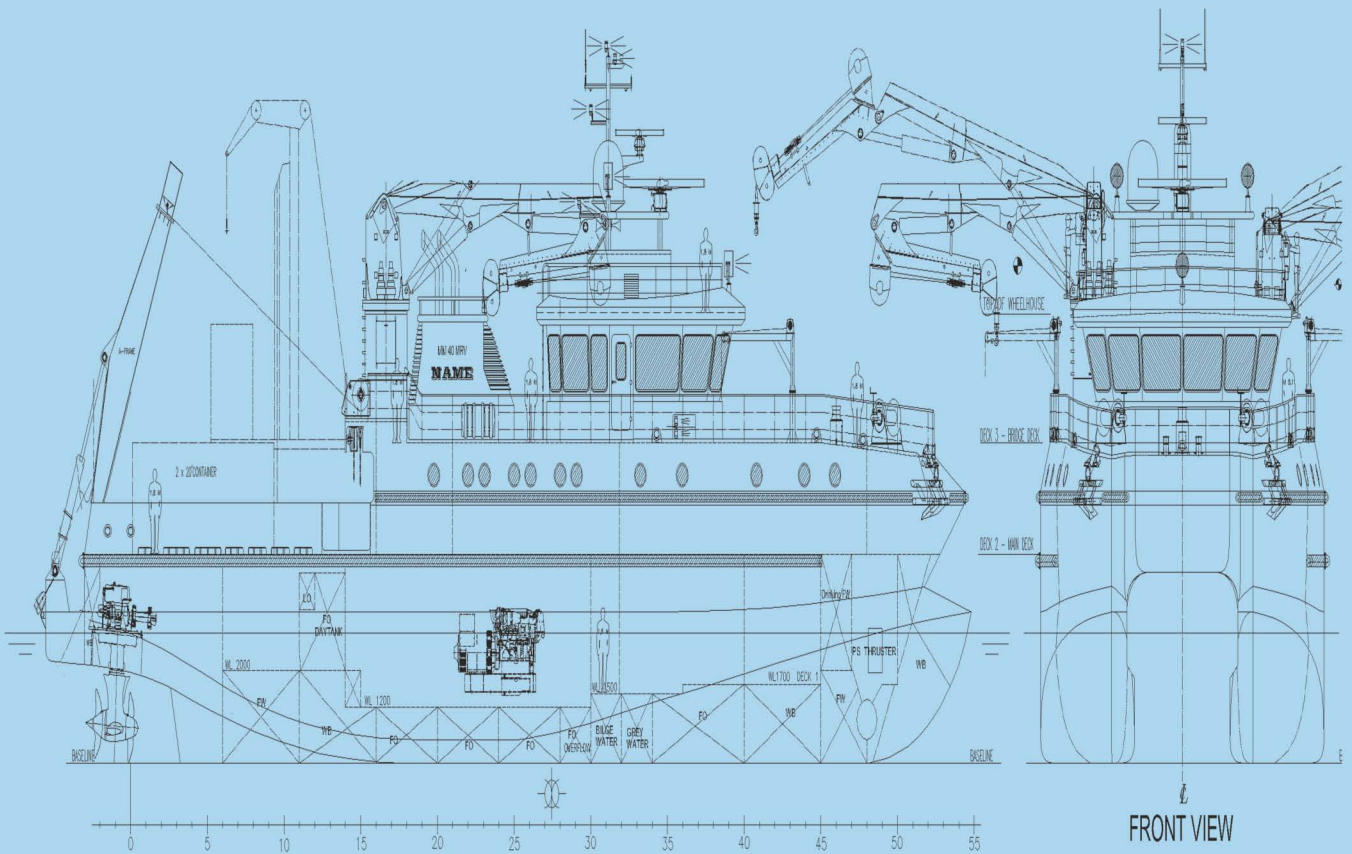
Registered Owner : Klaipėda University
Managers : Klaipėda University
Builder : Western Baltija
Shipbuilding Yard
Year Completed : 2014
Port of Registration : Klaipėda
Classification : Bureau Veritas

CONTACT DETAILS

IMO No. : 9713636
Call Sign : LYAP
Radio Licence No. : (12.16)-3R-10027

VESSEL DATA

Length Overall	: 39.22 m
Length Waterline	: 34.25 m
Breadth Moulded	: 12.00 m
Depth Moulded	: 4.50 m
Draught	: 3.00 m
Deadweight	: 185 t
Gross Tonnage	: < 500 t
Service Speed	: 11.3 kts
Economic Speed	: 10.0 kts
Min. Operation Speed	: 0.9 kts
Operation Range	: 2500 nm
Ice Class	: ICE 1C
Positioning	: Dynamic positioning class 1



Propulsion

Propulsion (electric)	: 2 x Schottel STP550 700 kW
Side Forward	: 2 x Variable Speed
Thrusters	: STT 100 FPT 150 kW

Electrical Power

Main Generators	: 2 x Caterpillar C32ACERT 803 ekW
Auxiliary / Harbour Generator	: 1 x Caterpillar C6.6ACERT 143 ekW
Total Power	: 1749 ekW

Crew

6 persons

Accommodation

- 2 x Crew Single Cabins
- 2 x Crew Double Cabins
- 6 x Research Staff Double Cabins

Research Staff Autonomy

12 researchers
21 day

All cabins are equipped with toilet, shower, air-conditioning and internal heating.

VESSEL FACILITIES

Decks

- Deck 2 Space: 120 m²
- Deck 2 Load: 2 t/m²
- Deck 3 Space: 40 m²
- Deck 3 Load: 1.5 t/m²

Deck Cranes

- 1 x A-Frame SWL 14 t/7 m, H = 8 m
- 1 x A-Frame SWL 1.5 t/2 m, H = 3 m PS
- 1 x Telescopic crane SB 1.2 t /2.5 m
- 1 x Crane PS, SWL 12 t/14 m
- 1 x Crane SB, SWL 6 t/12 m
- 2 x Derricks 0.15 t/3 m 150 m-30 m/min



Winches

- 2 x 3 t cargo winches (500 m steel wire)
- 1 x 7 t cargo winch (350 m steel wire)
- 1 x 7 t cargo winch (500 m steel wire)
- 2 x 6.5 t anchor winches (300 m steel wire)
- 2 x 4.5 t anchor winches (250 m steel wire)



Capability to Accommodate Containers

- 2 x 20 ft, 10 t
- 3 x 10 ft, 5 t



RESEARCH FACILITIES

Labs

Biological Laboratory
Geological (Wet) Laboratory
Computer Laboratory

Services

Bathymetry measurements
Side Scan Sonar imagery
Underwater ROV inspection
Vibro-coring (up to 6 m)
Sediment sampling
Geophysical investigations
Magnetic field measurements
Multi-layer water sampling
Plankton collection
Fish trawling

Equipment

MBES Reson Seabat 7125
SSS Klein 3000; Klein 3900
Cz Magnetometer/Gradio G-882TVG
Vibro core VKG 3-6
Hydrobios Van Veen grabs
SIG Milles: Sparker and Boomer
GeoEel Streamer
Electric Tomography: SuperSting™ R8/IP/SP
Multiwatersampler Hydrobios PRS
with integrated Sea&Sun CTD115
Hydrobios Sediment traps (3)
Light weight Mariscope ROV
Teledyne WorkHorse ADCP
Set of Apstein plankton nets



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