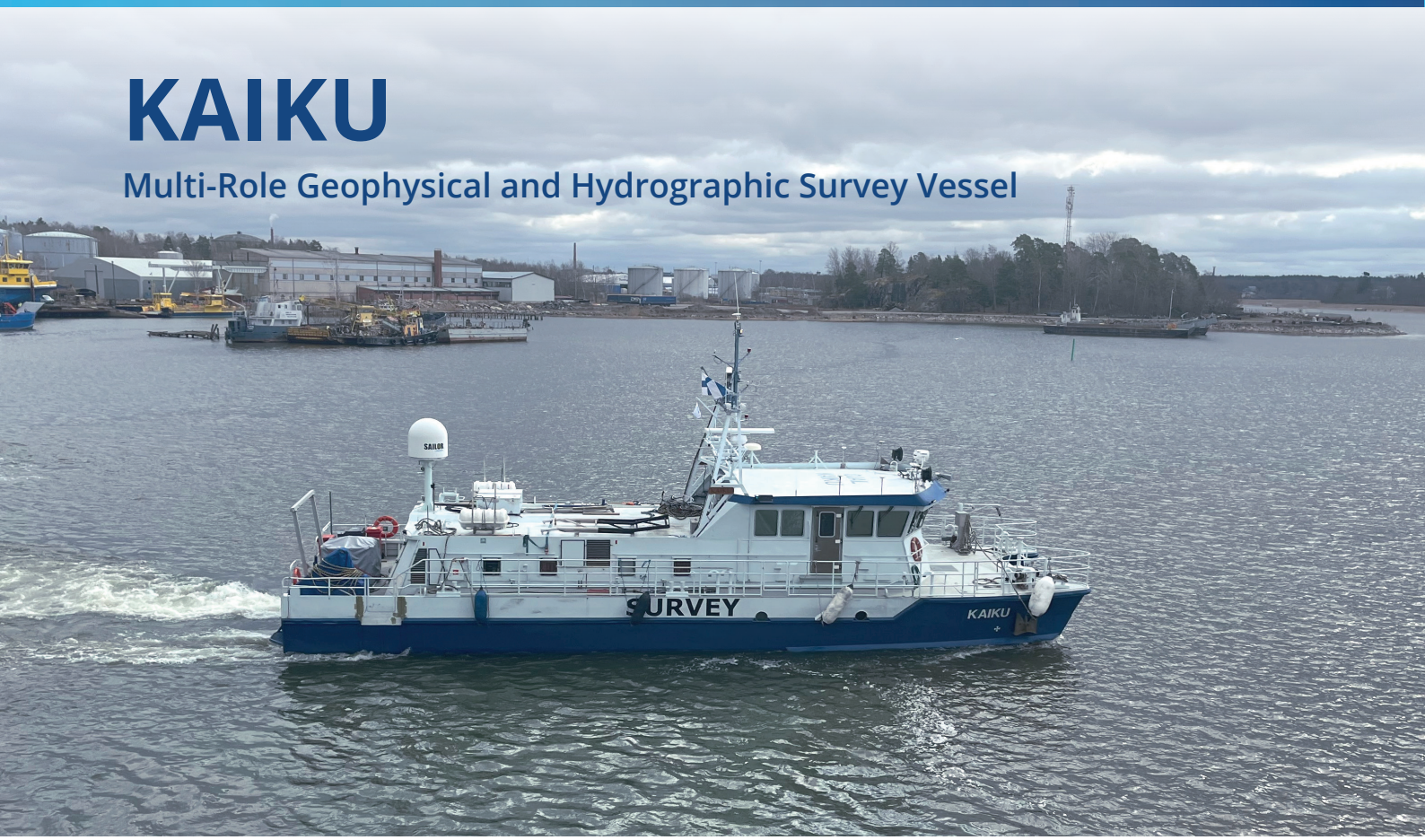
KAIKU

Multi-Role Geophysical and Hydrographic Survey Vessel



SPECIFICATIONS

Year of construction	2003
Flag	Finnish
Port of Registry	Helsinki
LOA	22.5 m
Breadth	7.0 m
Operational draught	1.3 m
Min. overhead clearance	6.5 m
Gross tonnage	105 t
Actual weight	50 t
Fuel tank	2 x 4000 l
Freshwater	3 x 1500 l
Lavatory water	1500 l

PERFORMANCE

Max speed	13 knt
Service speed	2 - 11 knt

MACHINERY

Main Engine 2 x 368 kW Scania DSI 14
Auxiliary Engine 2 x 25 kW Westerbeke
Two hydraulic controlled propeller
Two rudders

ACCOMMODATION

5 x 1 person cabin
Galley/mess
Office corner at the bridge
Sauna, shower, 2 x lavatory

ARCTIA

SURVEY EQUIPMENT

Multibeam:
- Reson T50-R 200-400kHz

Positioning equipment:
- Applanix POS MV Wavemaster RTK
- Javad Legacy LGGD

Motion sensor:
- Applanix POS MV Wavemaster RTK

Sound velocity:
- Reson SVP-70 probe
- Valeport profilers

Sidescan:
- Edgetech 4205 230/540kHz MPMT

Sub bottom profiler:
- MD Chirp 2-9 & 12-18kHz
- SIG Boomer 500-1400Hz (optionals)

Magnetometer:
- Geometrics G-882 (optionals)

SOFTWARE

QINSy
Fledermaus
Qimera

NAVIGATION AND COMMUNICATION EQUIPMENT

Furuno X-Band Radar
Simrad MX575D satellite compass
AIS Jotron TR-2500
Furuno GP-33 GPS receiver
2 x probe echo sounder
Sailor 6222 VHF DSC
Shipmate VHF GMDSS
Simrad Maris ECDIS 900 MK15
Sailor 800 VSAT

FURTHER INFORMATION

Arctia Meritaito Ltd
tel. + 358 30 620 7000
firstname.lastname(at)arctia.fi
www.arctia.fi/en