

# RV Novus

**German-built SWATH vessel with incredible stability and maneuverability.**

Novus is a 23-metre aluminum Small-waterplane-area Twin Hull (SWATH) vessel designed and constructed by Abeking & Rasmussen of Germany, acquired by Leeway Marine in 2021. The vessel can travel at a top speed of 16 knots and can support near-to-mid shore survey operations. Novus underwent a refit in 2021 and is equipped with a Kongsberg 2040-04 multi-beam sonar and an EK80 echo-sounder which make it an ideal fit for hydrographic and fish stock surveys. The twin hull design optimizes stability, even in harsh Eastern Canadian environments.

## Unique design benefits:



**Stability:** Constructed with a SWATH hull, Novus has extraordinary sea-keeping abilities, providing ideal conditions for surveying.



**Speed:** With a top speed of 16 knots, a typical cruising speed of 10 knots and a survey speed of 3-10 knots, Novus is remarkably adaptable and can maintain high speeds during increased sea states.



**Maneuverability:** The vessel's twin prop and hull design allow for turning within its own length and near instant reaction to steering and thrust commands. An integrated autopilot system ensures accurate following of survey transects.



**Integrated Electronics:** Both a Kongsberg 2040-04 multi-beam sonar and an EK80 echo-sounder were installed in 2021. The state-of-the-art electronics, combined with unique stability, allow for high quality data acquisition in remote areas.

# General Specifications

**Registry:** Halifax, Nova Scotia 🇨🇦

**Built:** Lemwerder, Germany

**IMO Number:** 9514119

**Length:** 23 metres

**Beam:** 13 metres

**GRT:** 222 tonnes

**Top Speed:** 16 knots

**Cruising Speed:** 8-12 knots

**Survey Speed:** 3-10 knots

**Fuel Capacity:** 12,000 litres

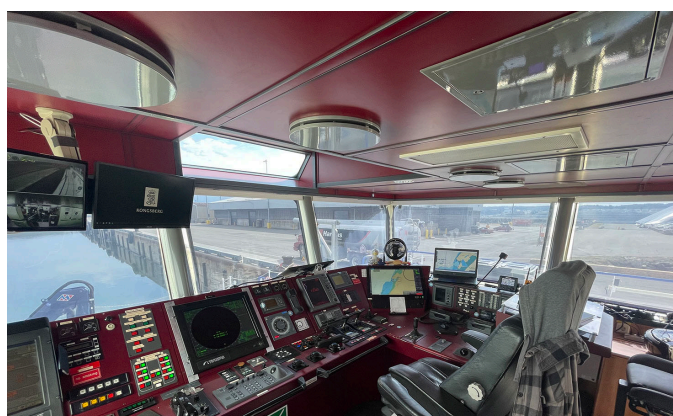
**Construction:** Aluminum

**Propulsion:** Diesel Electric, Twin Screw

**Crew:** 4

**POB w/o Crew:** 4-6

**Accommodations:** Cabins, heads, showers, galley/mess, dry lab



## Inquiries



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## Safety & Certifications

Transport Canada - Near Coastal 2 Safety Management System Preventative Maintenance System

Firefighting Plan  
Two 8-person liferafts  
SART, EPIRB, PLBs

## Working Deck

63 m<sup>2</sup> aft working deck  
225 kg WLL davit  
450 kg WLL knuckle crane  
Teledyne rapidCAST winch with AML SVP

Open transom for equipment deployment  
Winch pedestal on forward working deck  
Seawater and freshwater connections

