

BIG SHIP STABILITY | LOW EMISSIONS | SMALL CREW | WIDE WEATHER WINDOWS | CLEAN DATA



# R/V PRICUS

**TURNKEY HYDROGRAPHIC/GEOPHYSICAL PLATFORM**

**Small Waterplane Area Twin Hull (SWATH)  
designed to minimize the effects of the sea surface.**



**FOR PRICING & AVAILABILITY:  
(850) 375-8400 OR [PRICUSMARINE.COM](http://PRICUSMARINE.COM)**



# R/V PRICUS SPECIFICATIONS

Pricus Marine owns and operates a fleet of vessels and equipment in order to support our clients in the acquisition of ocean data.

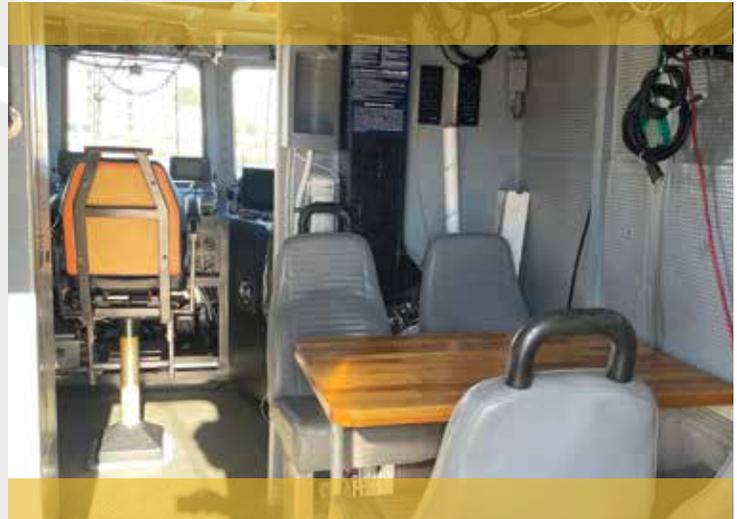
Prior to joining Pricus Marine's fleet in 2019, the former MHS (mine-hunter SWATH) platforms were operated by the U.S. Navy as mine-hunting and search and recovery platforms. These vessels were equipped with advanced mine detection equipment, including sonar, acoustic, magnetic anomaly detection systems, and remotely operated vehicles (ROVs).

In addition to being used for mine countermeasure operations, Mine Hunter SWATHs have been used in search and salvage operations. In December 2001, a B-1 Bomber was lost in the Indian Ocean near Diego Garcia. The 40-foot SWATH was operating for five days around the clock in gale-force conditions with 10-12-foot seas when other larger assets were forced into safe harbor. Additionally, MHS-1 was instrumental in the search and salvage of Alaska Airlines Flight 261 near Anacapa Island in Southern California. The Navy developed the SWATH design as a strategic enabling technology that proved invaluable and was only replaced because of the advent of modern unmanned systems. Today, these platforms continue to perform the same missions for the private sector.

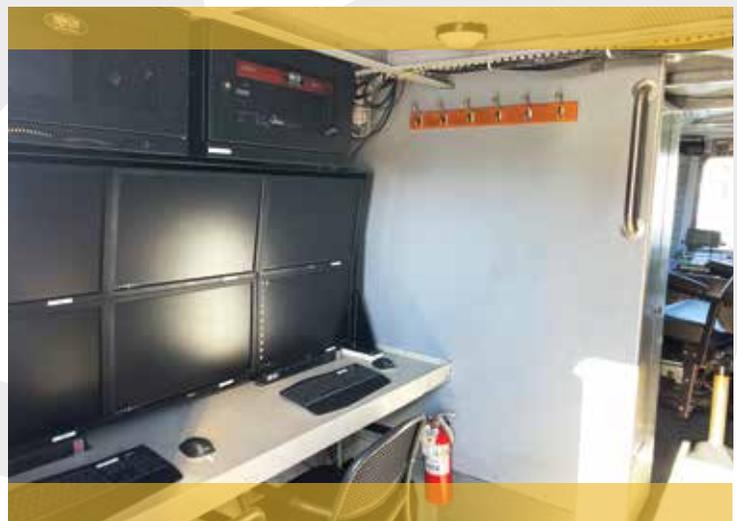
As part of their recent refit, the Pricus Marine SWATHs were fitted with new equipment to enhance their capabilities further. With the addition of optimized sonar deployment poles, multiple survey winches, and a larger a-frame, these platforms can support large single-pass high-resolution geophysical/hydrographic spreads. The winches, deployment poles, and a-frame are all controlled by wireless remote for safety and efficiency.

The cabin has been reconfigured to support commercial workflows and associated personnel requirements with up to ten mission personnel and two crew.

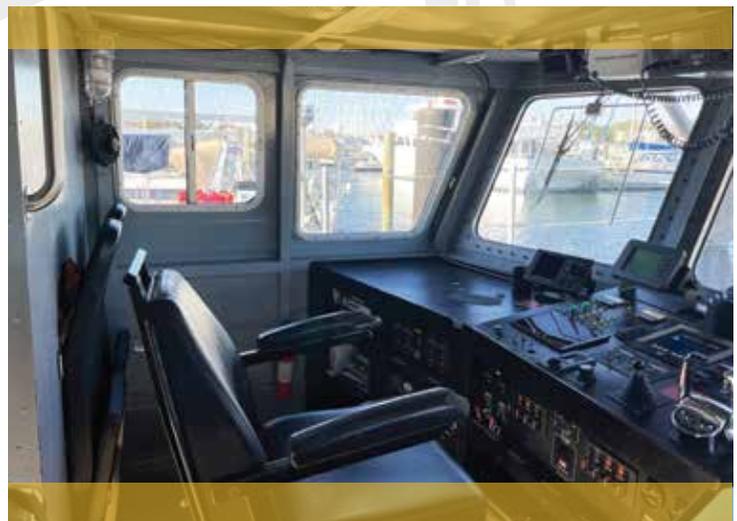
More than \$7 million in today's dollars went into the design and construction of each of our SWATH vessels, and we are excited to be able to provide our clients with access to these highly optimized seagoing data acquisition machines.



Pricus Marine's SWATH interior is spacious with table seating for four, a head with a shower, four jump seats, and a filtered hot/cold water bottle filler.



Designed with research in mind, Pricus offers a six-monitor survey station that can accommodate up to three people.



The cockpit is well equipped, including a Furuno Class A DSC VHF, Furuno Class A AIS, Furuno MFD, Furuno Depth Sounder, Simrad AP70/AD80 Autopilot, and loudhailer/intercom.



# R/V PRICUS SPECIFICATIONS

## DIMENSIONS

LENGTH	40 ft
BEAM	18 ft
GROSS	24 GT
CERTIFICATIONS	USCG Oceanographic Research Vessel

O.N.	1301746
MAX SPEED	19 kts
CRUISE SPEED:	16 kts

## PROPULSION, MACHINERY & STEERING

MAIN ENGINES	(2) Cummins C-9
PROPELLERS	(2) FPP, 5-Blade
PRIMARY GENERATORS	(2) Northern Lights 20KW
RUDDER	Independent Steering
GEAR	Twin Discs with Troll Valves

TOTAL HORSEPOWER	1,006 hp
PROPELLER DIAMETER	28 in
TOTAL RATING	40 kw
POWER GENERATION	240V/60 Hz/1(Φ)

## CAPACITIES AND EQUIPMENT

FUEL CAPACITY	900 gal
POTABLE WATER	50 gal
BLACK/GRAY WATER	50 gal
RANGE	700 km
BURN @ CRUISE	30 gph
BURN @ SURVEY	10 gph
CREW	2
SCIENTIFIC PARTY	10

AFT DECK AREA	15ft x 16ft
SURVEY WINCHES	(2) Hydraulic Slip Ring 300m/1000m
AFRAME	16 ft wide 13ft tall 2,000lb SWL
TRANSDUCER MOUNTS	(2) Hydraulically deployed side poles
POSITIONING	POS MV Oceanmaster V5
COUNTING SHEAVES	24" Ocean Instruments (2)
MOB RECOVERY	Fiberlight Rescue Cradle
AFRAME, WINCH, POLE CONTROLS	Wireless Remote



## TURNKEY HYDROGRAPHIC/GEOPHYSICAL PLATFORM:

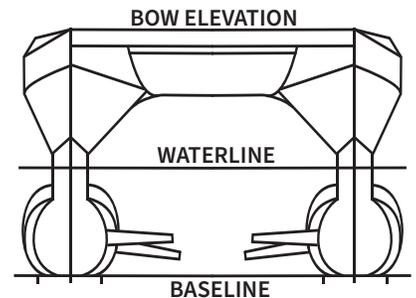
- Capable of simultaneous collection of data from many sensors
- Example Spread: Multibeam Echosounder, Sub-bottom Profiler, Side-scan Sonar, Transverse Gradiometer/Magnetometer, Seismic Boomer

## RAPID MOBILIZATION SAVES YOU TIME:

- Vessel 3D laser scanned for 1mm offset accuracy between all points
- All mounts, cables, sheaves, winches, slings, positioning, network, etc. are in place and plug and play for your transducers and tow-fish.

## SWATH HULL FORM – ENABLING TECHNOLOGY:

- Less than 2° roll or pitch even in a 6' sea.
- No tow-fish surge
- No narrow beam angles
- Cleaner data means less processing
- Wider operational weather windows enable condensed periods of performance
- Safer, happier, more productive surveyors
- Smaller, more efficient vessel
- 4.5' draft permits shallow water surveying



## ELECTRONICS

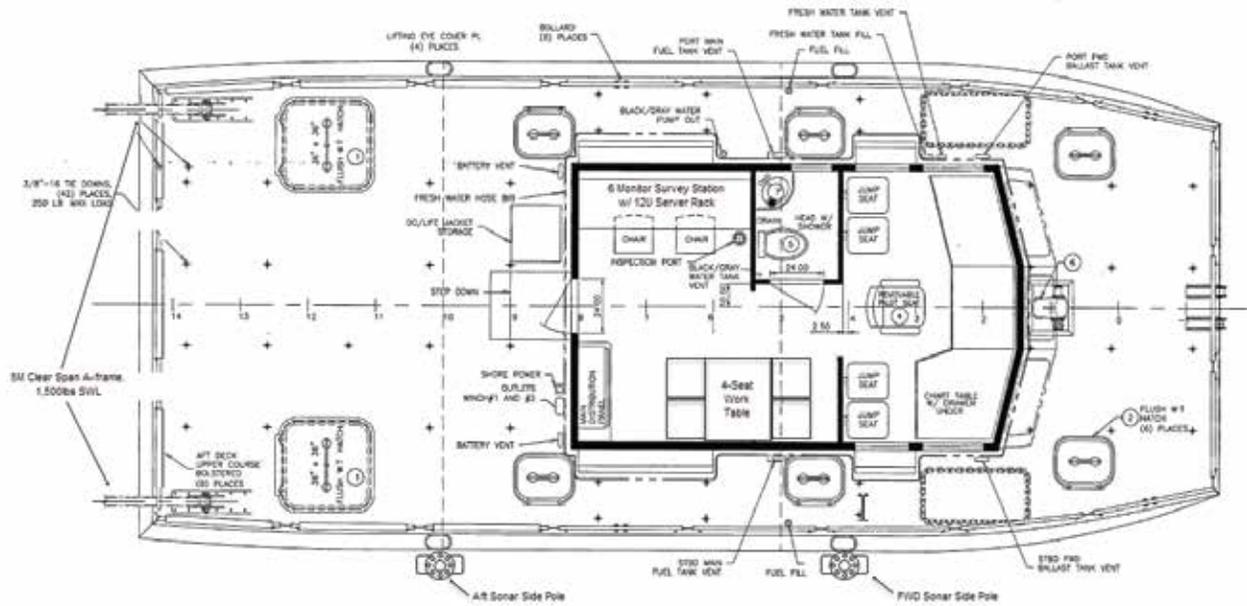
Furuno Class A DSC VHF, Furuno Class A AIS, Furuno MFD, Furuno Depth Sounder, Simrad AP70/AD80 Autopilot, Multi-station loudhailer/intercom

## ACCOMMODATIONS

Six-monitor Survey Station (2-3), Table Seating (4), Jump Seats (4), Head with shower (1), Filtered Hot/Cold bottle filler



# R/V PRICUS SPECIFICATIONS



CERTIFIED  
**SWaM** Small, Women and Minority-Owned  
 Supplier Diversity Strengthens the Commonwealth  
 by the Virginia Department of Small Business & Supplier Diversity



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