



## R/V PROTEUS

The R/V Proteus is a multi-use vessel suited for a wide variety of oceanographic research duties. The Proteus is available for projects in Mexico, Northern South America (NSA) and West Africa . The Proteus is outfitted with TDI-Brooks' complete geotechnical tool kit including 20m Jumbo Piston Core (JPC), 40m CPT-Stinger/Sampler along with our standard SGE, HF and EBS survey gear. The Proteus has a Kongsberg EM-710 (1x1) hull-mounted MBES for surveys to ~2,500m water depth.

The vessel is particularly well suited for the following:

- Deepwater Surface Geochemical Exploration (SGE)  
    "Hydrocarbon Seep Hunting"
- Seabed Heatflow Surveys (HF)
- Environmental Baseline Surveys (EBS)
- Deepwater MBES Technology
- Seabed Geotechnical Surveys
- 2DHR Seismic Multi Channel & Site Surveys
- Hazard Surveys
- Platform Siting Feasibility Studies
- Tow Route Clearances
- Platform and Pipeline Damage Assessments and Inspection
- Pipeline/Cable Route Surveys
- Offshore Wind Farm Assessments



TDI-Brooks CPT Stinger

TDI-Brooks International, Inc. specializes in conducting offshore surface geochemical exploration (SGE) and heat flow programs for the world's leading petroleum producers, and has a large collection of SGE and heat flow program data from around the world available for sale.

# R/V PROTEUS VESSEL SPECIFICATIONS

The R/V Proteus is equipped with satellite communications (phone and internet access), differential GPS, geophysical survey gear and large a-frames with high-speed winches for coring or geotechnical work. The Proteus is in ABS class and had an extensive technical refit in 2009 and 2014 making her ready for extended voyages. Our field services are supplemented by high quality environmental, geochemical and geotechnical laboratories with a staff of nearly one-hundred individuals including fourteen Ph.D. level oceanographers, geochemists, biologists and geologists.

## Technical Specifications

General	
Name	R/V Proteus
Owner	TDI-Brooks International, Inc.
Built	Rysco Shipyard 20 July 1976
Port/Flag	Vanuatu, Port Vila
MMSI No.	577207000
Call Sign	YJTP5
IMO No	634290

Classification	ABS #A1, #AMS, Ice Class C; Intl. Load Line
Statutory Certifications by	Isthmus Bureau of Shipping
SOLAS/MARPOL Classification	Research Vessel, Cargo ship under 500 tons

## Dimensions

Length Overall	49.37m
Molded Breadth	11.58m
Depth to Main Deck (Molded)	3.96m
Regulatory Tonnage	298 GRTM
Deadweight Tonnage	830 DWT
Max Draft	3.39m
Minimum Operational WD	4.5m

## Machinery

Main Engines	(2) – Cat D-398
Max Continuous Power	(2) x 634 kW each
Generators	1) – Cat 3406 , 210 kW; (1) Cat C-9, 175 kW
Emergency generator	Not true emergency, survey/generator John Deere – 165 kW, 440 v. 60 Hz used to power survey equipment, provide hotel service in port, or emergency power at sea as needed.
Sewage Treatment Plant	Headhunter, TW HMX 524LP
Bilge Oil Water Separator	Model 1000 – OCD CM, 4.4 GPM
Fuel Purifier/Centrifuge	Alpha Laval

## Deck Machinery

A-frames	2 articulating, one port, one on stern
Crane	SBG, EHSC-80 knuckle boom, 5000 # SWL 6 M reach
Winches	2 electric/hydraulic; line pull; speed; plasma 12 synthetic rope.
Transducer Mount	One over side pole mount, starboard for variety of transducers

## Capacities

Fuel	285 Cu M
Potable Water	72.6 Cu M
RO Watermaker	4.2 Cu M/day
FW Ballast	136.55 Cu M
Lube Oil	4.6 Cu M
Hydraulic Oil	4.6 Cu M
Slop Tank	2.06 Cu M
Used Oil	2.06 Cu M

## Voice/Data Communications

Primary Data	Bandwidth 128k down/64k to 10Mb down/3Mb up
Internet/Email	Custom access allowed ranging from Free to \$7250/mth, or \$/MB
Sat Comm	KVH V7hts / Inmarsat Fleet Broadband Systems

Life Saving Equipment	As per CS Safety Equipment Certificate
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Type 1 PFD	200% of POB
Immersion Suits	100% of POB
Life Rafts	3 – 20 person each
SOLAS Rescue Boat and davit RHIB, w/25 hp gasoline OBM	

## Accommodations

Total Berthing (in)	40 - 9 marine crew, 31 supernumeraries
One person rooms	Four
Two person rooms	Nine
Four person rooms	Three
Six person rooms	One
Heads/Shower	10 ensuite; 2 shared public
Galley/Mess Seating	17 per seating
Laundry	One with 2 washers, 2 dryers
Lounge	One
Shop/Tool Room	One, main deck aft port side
Labs/Enclosed Work Spaces	Two; one main deck, one 02 deck



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TDI-Brooks is a privately held Texas firm incorporated in 1996 and headquartered in College Station, TX with a remote office located in Houston, TX and strategically located offices around the globe including Port Harcourt, Nigeria (TDI-Brooks Nigeria Ltd.), Rio de Janeiro, Brazil (GSI-Brooks), India and Colombia.