

VESSEL SPECIFICATION

SHARK 1

Survey · ROV · Light Geotechnical | +A1 AMS ABCU DPS-1

43.87 m	ABS DPS-1	22	2014 / 2025	5 t	Steel
LENGTH O.A.	DP CLASS	PERSONNEL	BUILT / REFIT	A-FRAME	CONSTRUCTION

THE VESSEL

Shark 1 is a 44 m European-built, DP1 survey/ROV vessel that was built in 2014 and extensively refitted in 2025. The vessel has Schottel twin azimuth stern thrusters and a bow tunnel thruster to deliver stable DP1 station-keeping.

The vessel accommodates 22 persons, with Starlink connectivity via Wi-Fi and LAN access points in every cabin, plus mess and recreation room.

The Shark 1 can utilise its 5-tonne A-frame for the deployment of towed equipment, AUVs and light geotechnical gear including CPT, grab sampler, vibracore, piston corer and gravity corer.

Shark 1 is permanently mobilised with hull-mounted deep- and shallow-water multibeam sonar (EM 2040D 0.7° and EM 304 MkII 2×2), HiPAP subsea positioning and a 900 mm moonpool.

Deck mounts allow a modular geophysical winch or an inspection-class ROV to be lifted aboard.







Contact

Peter Batri – +61 (0)492 506 853
pbatri@egssurvey.com.au

Roger Middlebrook - +61 (0)458 276 464
Rmiddlebrook@egssurvey.com.au

VESSEL SPECIFICATION

SPECIFICATIONS

Shark 1 · Survey / ROV vessel

PRINCIPAL PARTICULARS

Vessel name	SHARK 1
Built	2014, Romania / refit 2025
Length	43.87 m
Beam	9.0m
Draft	3.40 m
GT	477
NT	143
Deadweight	229.3 t

CLASS & NOTATIONS

Class	American Bureau of Shipping
Notation	+A1, E, +AMS, +ABCU, +DPS1
Register ID	ABS YY 185087
Vessel type	Special Purpose Vessel
Operating code	Unrestricted Service
Flag State	Tuvalu
IMO No.	9637478
Call sign	T2DT6
MMSI	572-762-220

CAPACITIES

Fresh water	45.3 m³
Fuel capacity	100 m³
R/O unit (freshwater)	6.0 m³/day
Deck load capacity	2.5 t/m²
Work deck dimension	Abt. 105 m²

ESTIMATED CONSUMPTION

Alongside	1.5m3/day
At Sea/DP	2.4m3/day
Survey speed	2.9 t/day @ 5-6 knots
Transit	3.2 t/day @ 9 knots
Max speed	10-11 knots
Endurance	30 days

CONSTRUCTION

Hull	Single, steel
Superstructure	Steel
Wheelhouse	Steel

PROPULSION SYSTEM

Main propulsion	2 × Schottel Rudder-Propellers, Plant SRP 330FP, 375 kW
Bow thruster	1 × 125 kW, Schottel tunnel

GENERATORS

Main generators	2 × 475 kW, Leroy Somer / Guascor
Emergency genset	1 × 70 kW, Leroy Somer / Caterpillar

DP SYSTEM

DP type/class	ABS DPS-1
Manufacturer	Navis Engineering OY
Modes	Bridge and joystick control · auto heading and position · track control · target and ROV following
Reference sensors	2 × DGPS · 2 × heading/gyro · 2 × MRU/VRU · 2 × wind sensors · 1 × USBL

ACCOMMODATION

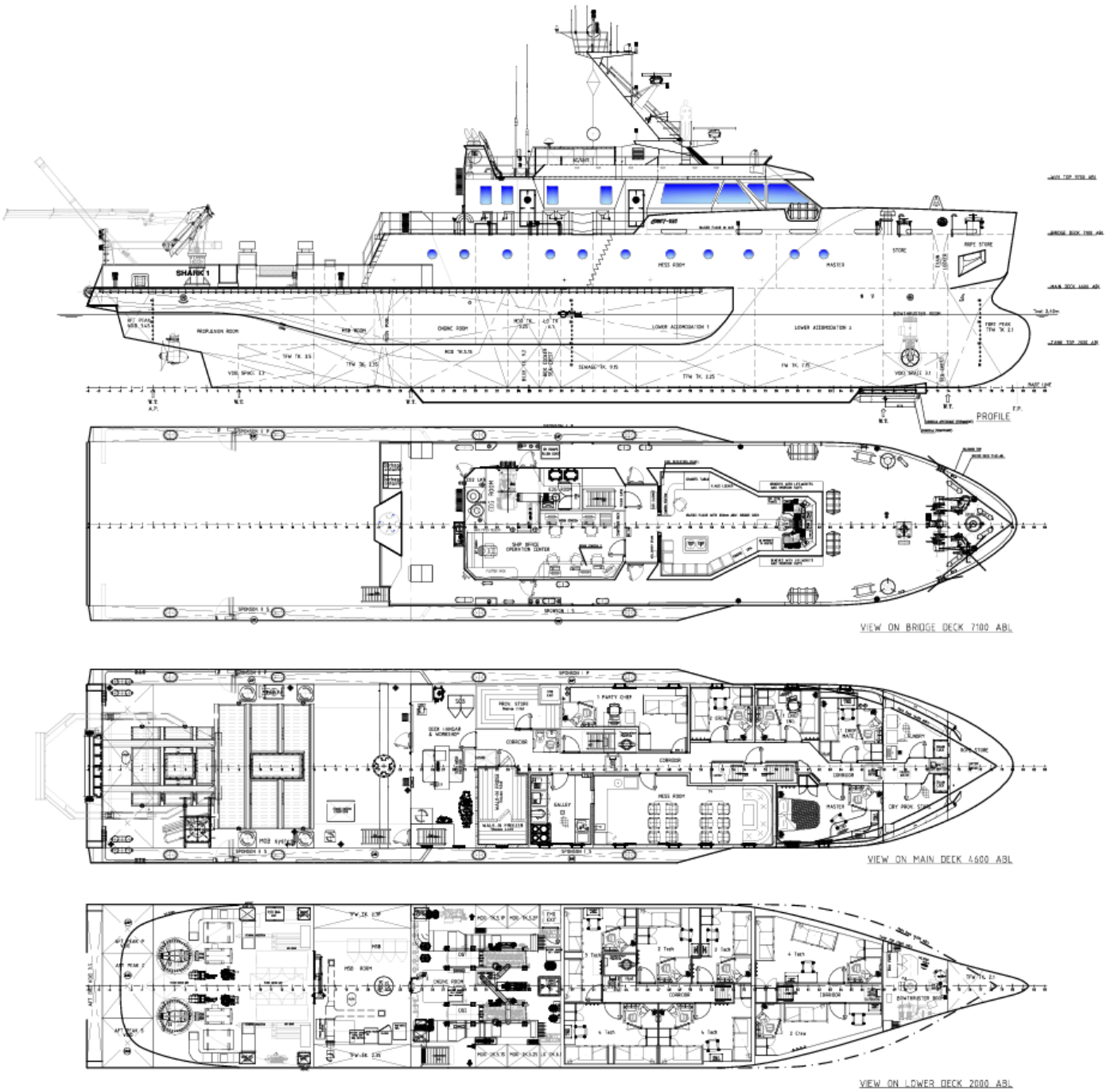
Crew	6 -10
Charterers	Up to 12 (22 POB max)
Cabins	4 × 1 bed, 9 × 2 bed
Offices	Set up for 4 to 5 workstations

DECK EQUIPMENT

A-frame	Capacity 5 tonne
Deck crane	4.65t @ 2.78 m 1.30t @ 8.99 m
Moonpool	900mm Diameter
Gondola	Located Forward
Hull hydraulic transceiver	Sonardyne Through Hull Pole 300mm Gate Valve

GENERAL ARRANGEMENT

Shark 1 · Survey / ROV vessel



EGS AUSTRALIA

22 Mews Road, South Fremantle, WA 6162, Australia

egssurvey.com.au · info@egssurvey.com.au