

SUBSEA
CRAFT

VICTA

DIVER DELIVERY UNIT

OUR MISSION

Throughout history, Commanders have dreamed of a craft able to travel on the surface before diving to approach a target unseen. That dream is now a reality.

The revolutionary VICTA Class Diver Delivery Unit (DDU) VICTA 02 represents advanced maritime technology – a vessel combining the speed, range and capacity of a Long-Range Insertion Craft (LRIC) with the stealth and versatility of a Swimmer Delivery Vehicle (SDV). Specifically designed around the operator, its 30 kt+ speed, 250 nm endurance and 2-minute transition between surface and sub-surface, enables delivery of 8 operators and their equipment to their objective 'mission-ready' before recovering them. VICTA provides unique capability, suitable for a range of missions.

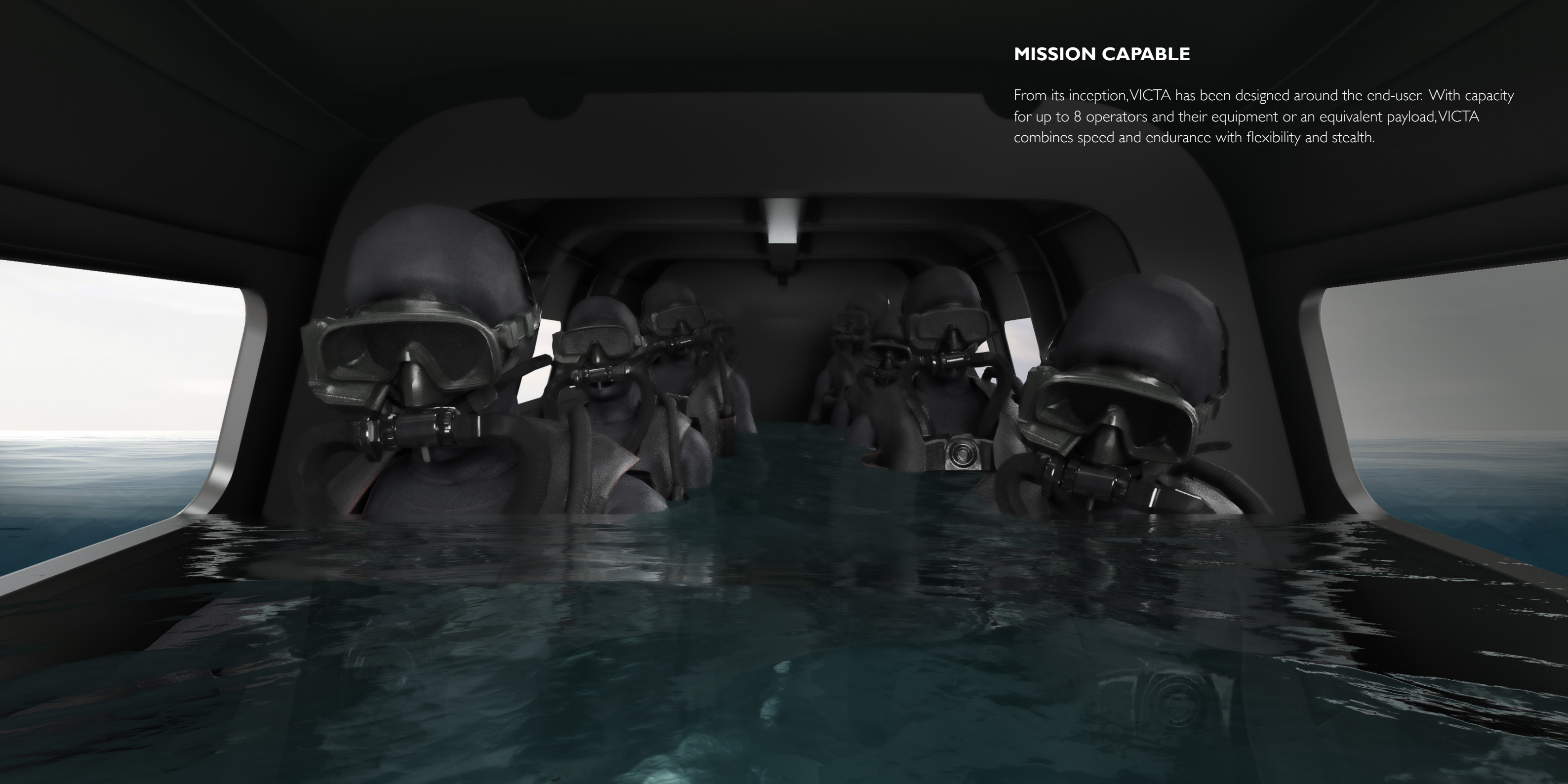
Offering leading-edge design and manufacture, and providing truly formidable operational flexibility, VICTA is suited to deployment from platforms as diverse as a standard shipping container through road-trailer and helicopter to surface vessel or air transport – without recourse to costly strategic assets. It opens up potentially game-changing tactical and strategic choices in maritime, joint and special operations.



VICTA adds a unique new dimension to maritime operations.

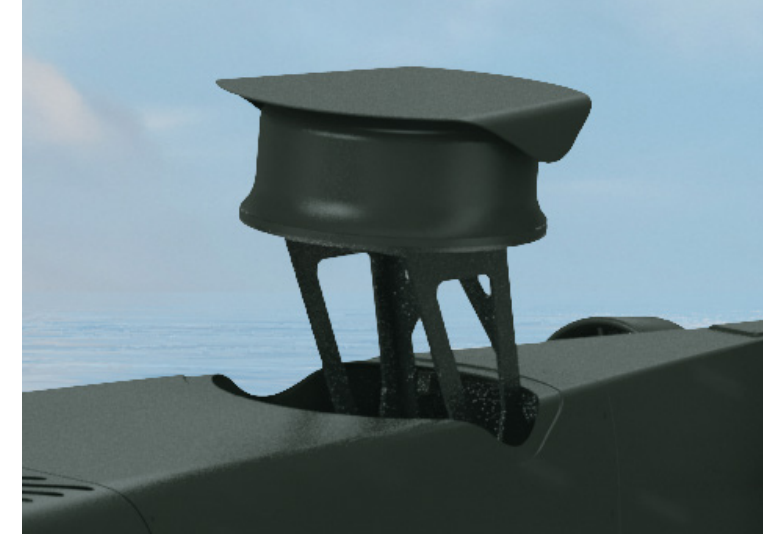
MISSION CAPABLE

From its inception, VICTA has been designed around the end-user. With capacity for up to 8 operators and their equipment or an equivalent payload, VICTA combines speed and endurance with flexibility and stealth.



MISSION READY

VICTA delivers operators to their objective mission-ready. The patented Ullman Dynamics moulded seats and advanced shock-absorbing systems provide a comfortable ride even at high surface speed and can be easily reconfigured or removed to suit the mission requirements.



VICTA's life support system provides air for four hours' submerged operation.

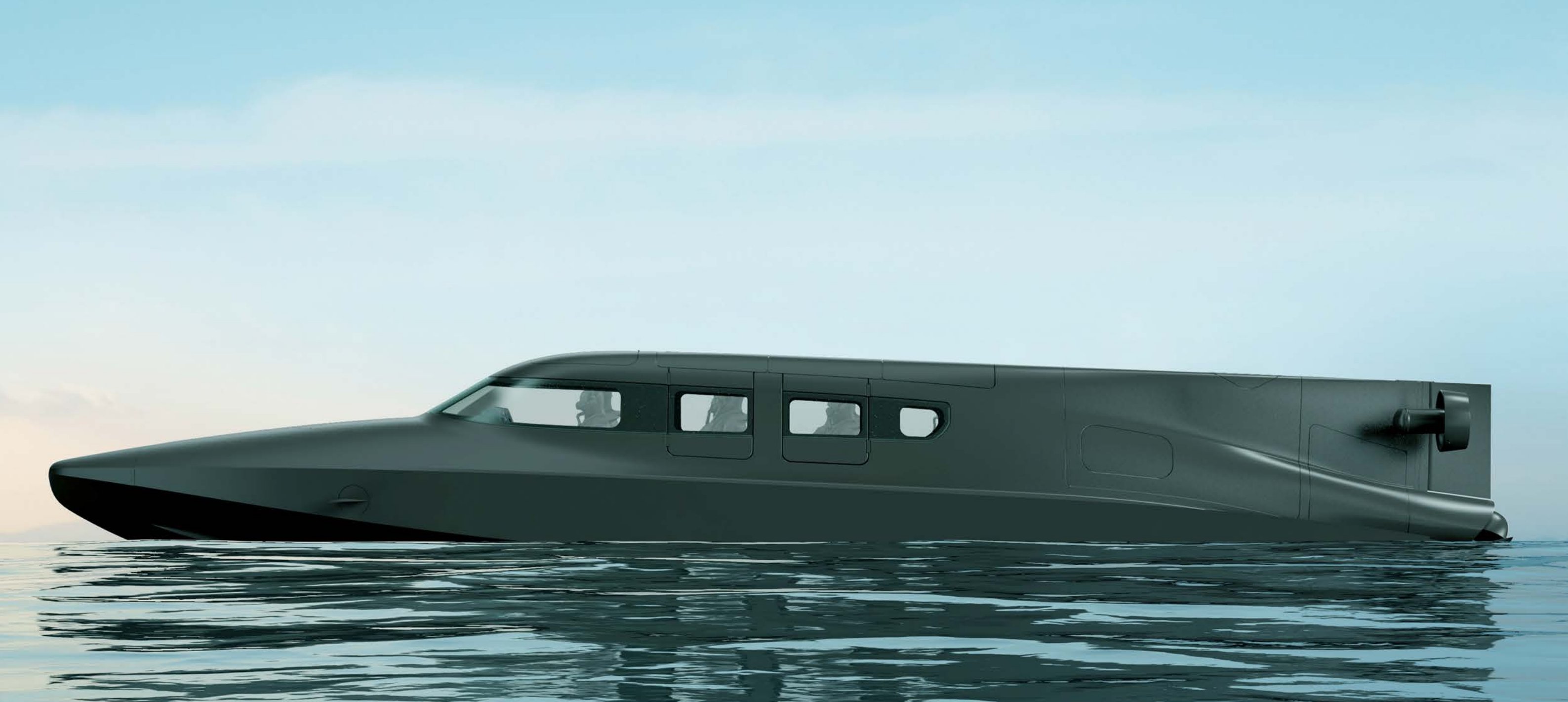


The user-friendly human-machine interface (HMI) incorporates features developed for systems used by the RNLI.

MISSION CONTROL

VICTA is fully fly-by-wire, allowing intuitive operation, simple system upgrade and enabling potential future autonomous operation, if desired. The unique multiplex controller, developed in-house and drawing on experience gained from America's Cup and Princess Yachts projects, is designed around proven Controller Area Network (CAN) technologies allowing common architecture and integration. The specially-designed helm and dashboard provide vital performance, diagnostic and crew status information at a glance.





EXTERIOR

Advanced Composite Materials
combine high strength-to-weight ratio
with great design flexibility to meet
bespoke requirements

Operator-Centric Design
Operators arrive 'mission ready'
with all equipment in place

**High-Capacity Li-ion
Battery Technology**
range of up to 25 nm or
four hours submerged

**Industry-Leading Transition
from Surface to Subsurface:**
2 minutes

**Configurable Seating
and Cargo Space**
precisely match payload
and diver combinations to
mission requirements

Flooded Hull Technology
ensures stability and predictable,
responsive handling when submerged



INTERIOR DETAILS

MISSION PROFILE

With a hull constructed from carbon fibre and Diab core to maximise strength-to-weight ratio and withstand a wide range of surface and sub-surface loads, VICTA is optimised to achieve surface speeds in excess of 30 kts. Propulsion is provided by a 725 bhp Seatek diesel engine powering Kongsberg Kamewa waterjets. Twin 20 kW electric thrusters give a maximum submerged speed of 8 kts; four vertically-mounted Copenhagen thrusters provide accurate slow-speed depth control.





A range of delivery options, including heavy-lift helicopter, provide for exceptional tactical and strategic flexibility.

MISSION FLEXIBILITY

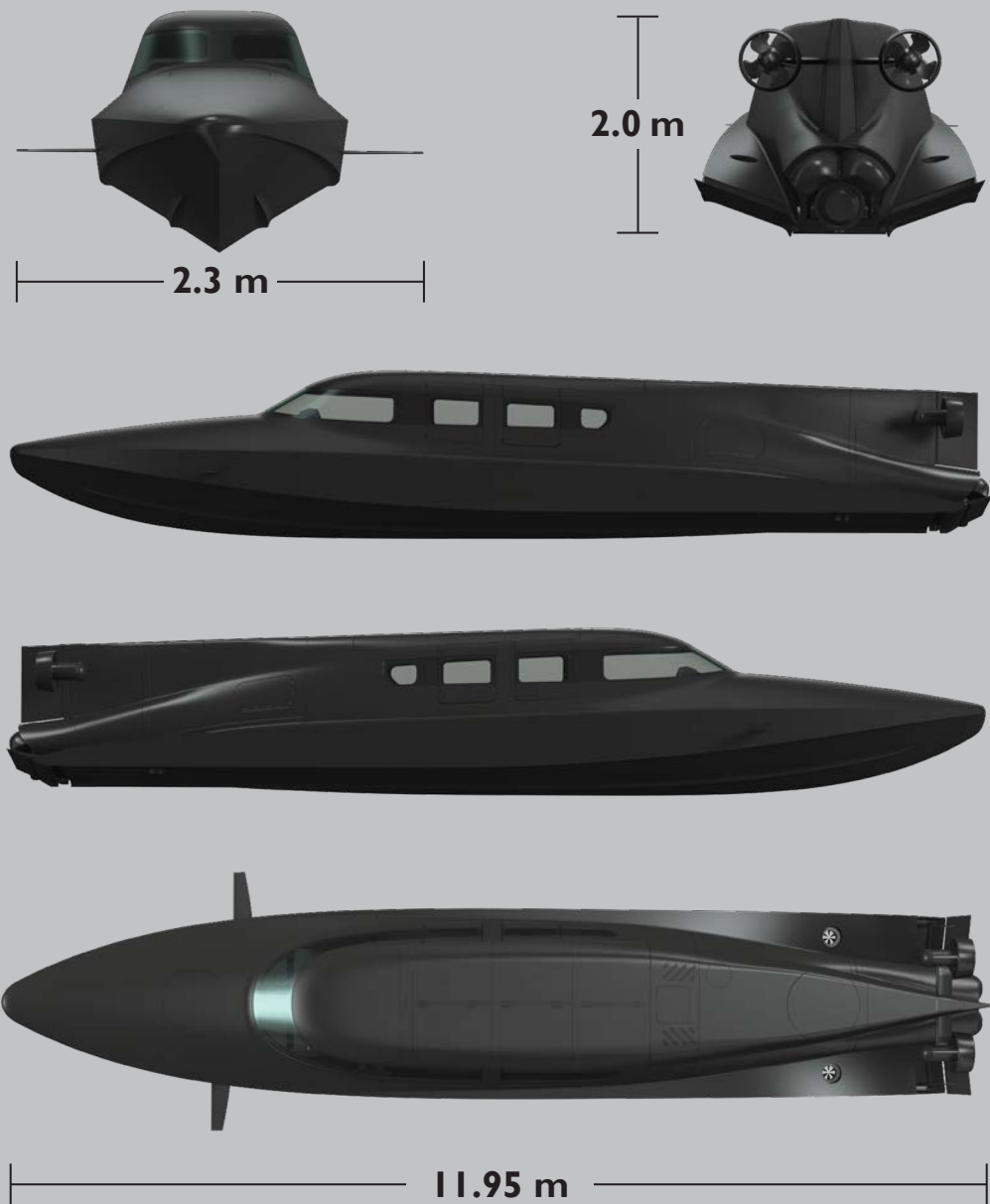
VICTA is designed for flexible deployment into and within an operational theatre. It can be carried within a standard ISO shipping container and so is easily transportable by road or surface vessel. Its composite construction gives a dry displacement of just 6,900 kg, enabling its carriage to be underslung by heavy-lift helicopter (e.g. Boeing CH-47 Chinook) or within the cargo bay of air transport aircraft (e.g. Lockheed C-130 Hercules). Combined with its 250 nm endurance, these options contribute to a global reach and truly flexible capability.

VICTA can be configured to meet the individual customer requirement. At our testing, development and product support facility at Portland in Dorset, we can develop bespoke variants to suit end-user need, configuring the vessel to provide the customer's optimum combination of divers, equipment and cargo. An exacting end-to-end support package will ensure that, in service, VICTA meets your precise requirements.



Compact dimensions make VICTA easy to transport by land, sea or air.





SPECIFICATIONS

Principal Particulars

Length overall	11.95 m
Beam overall	2.3 m
Draught	0.6 m
Full fuel and 2 crew	0.64 m
Height (excluding aerials)	2.0 m
Crew (pilot and navigator)	2
Swimmers	6

Surface Particulars

Displacement – dry	6,919 kg
Full load displacement	9,315 kg
Fuel tank (fitted)	900 l (2 × 450 l)
Speed	30/40 kts
Full load condition	(Sea state dependent)
Endurance	250 nm (expandable)
Engine	Seatek 725 Plus diesel (533 kW)
Gearbox	ZF 220 (with neutral position)
Waterjet	Rolls-Royce Kamewa FF37

Subsurface Particulars

Dive depth	30 m
Cruise speed (opps)	6 kts
Sprint speed	8 kts
Range	25 nm
Battery power	140 kWh
Battery type	Li-ion
Main thrusters	2 × 20 kW
Trim thrusters	2 × 3.5 kW 2 × 2 kW
Transition dive time	120 seconds



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