

# VIGILANT IUSV

INDEPENDENT UNMANNED SURFACE VESSEL



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# INDEPENDENT UNMANNED SURFACE VESSEL

## LONG ENDURANCE

Built from lightweight but extremely strong carbon fibre, the Vigilant IUSV uses smaller engines and higher fuel payload to achieve long endurance of at least 3000 nautical miles at loiter speed.

## STABILIZED VESSEL

The USV is equipped with the Seakeeper™ stabilisation system that provides high stability anti-roll capability. This enables operations in high sea states while allowing visual and electronic sensors to work optimally to provide the best information to a shore base.

## AUTONOMOUS COLLISION AVOIDANCE

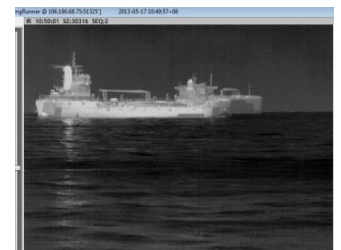
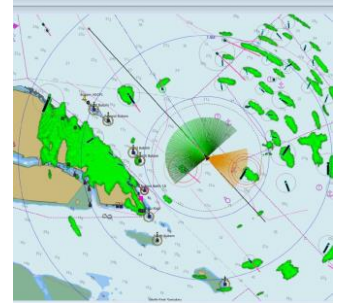
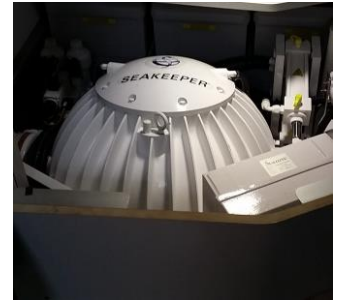
Proprietary collision avoidance software ensures the USV operates safely even in congested waterways.

## HIGH PAYLOAD

The USV has a large payload bay allowing for a variety of payloads in terms of volume and weight.

## SPECIFICATIONS

Length	16.6 m
Breadth	3.6 m
Draft	1.0 m
Max Speed	30 kn *
Cruising Speed	6 kn
Range	3000 nm nominal at 6 kn
Nominal Endurance	25 days at 6 knots
Fuel capacity	6400 litres
Full load	16 tons
Light ship	8.5 tons
Stabilisation	Seakeeper anti roll system
Engines	2 x Yanmar 6LY3-ETP 480 hp
Drives	2 x Konrad 680 stern drives with contra rotating propellers
Electrical	Main Fischer Panda 8kW Geny Aux NextGen 5 kW Geny
Communications	Inmarsat FBB500 Satcom AIS Class B
Sensor	1 Simrad Radar 24 km 1 day/night electro-optic system



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