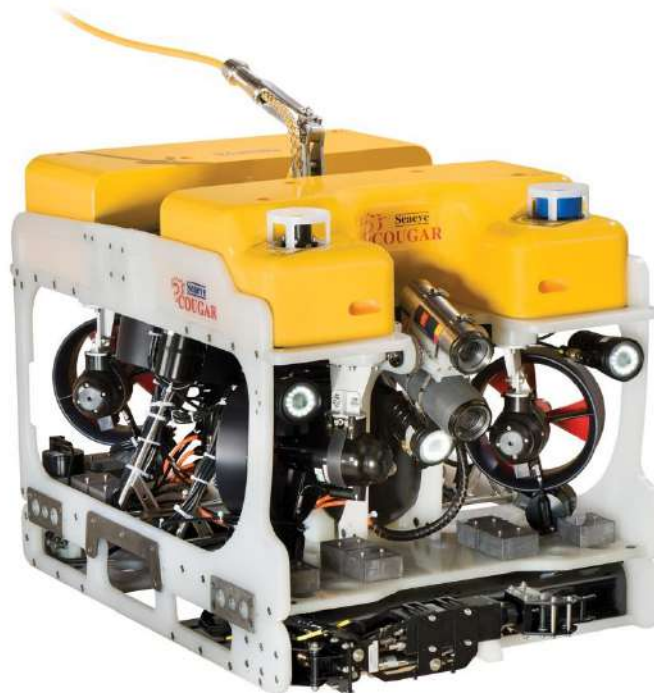


The shallow water inspection vehicle with outstanding current handling capability

The Cougar-XT Compact, depth rated to 300m, is the shallow water version of the Cougar-XT. An extremely powerful vehicle, the Cougar-XT Compact is ideal for inspection applications where strong tidal currents are experienced.

The smaller chassis significantly reduces drag which, in combination with a high-performance thruster arrangement and a small diameter tether, offers unrivalled performance for its size and class.



Outstanding Performance

Shallow water inspection vehicle with proven handling capabilities in strong currents and in tight spaces.

Compact

Low profile and lightweight designed to reduce drag and minimise the effect of current.

Wide choice of tooling

Selection of tooling options designed for easy integration and to deliver results for any shallow water project.

System Overview

- Surface Power Supply Unit and Surface Control Unit supplied as free standing units or fitted inside an air conditioned control container. An additional tooling power supply option is available.
- Surface Equipment includes Hand Control Unit, keyboard and two colour monitors. An additional hand control unit is available for systems fitted with a manipulator skid.
- Cabin Junction Box for connections between the surface and subsea. Including Twisted Pair connection for data and video transmission. Fibre Optic MUX upgrades available.
- Operated as a free swimming ROV for depths up to 300 m.
- ROV rated to 300 m fitted with four horizontal thrusters and two vertical thrusters supplied with 500 Volts DC, electronics pod, four LED lights, two high resolution cameras, a compass and a depth sensor for vehicle auto heading and auto depth. Auto altitude is available as an option when an altimeter is fitted.



Technical Specifications

Specifications	Cougar XTC
System Power Requirements	3-phase, 380-480 VAC at 50/60Hz
Depth Rating	300m
Length	1300 mm
Height	784 mm
Width	900 mm
Launch Weight	Approximately 270 kg
Forward Speed	3.5 knots
Thrust Forward	170 kgf
Thrust Lateral	120 kgf
Thrust Vertical	110 kgf
Payload	60 kg



Options, Tools and Accessories



High resolution colour or monochrome cameras



High Definition (HD) cameras



Altimeter used to measure the altitude of the ROV above the sea floor. Auto Altitude option available.



Bathymetric system with depth sensor and altimeter fitted.



Scanning Sonar options with an integration kit and surface equipment.



Multibeam Sonar options with an integration kit and surface equipment.



Additional three phase power supply unit used to power tooling options.



Four-function manipulator system fitted with quick disconnects to switch between the cleaning brush and the anvil cutter. Manipulator camera options available.



Compact Cutter for cutting 25 mm diameter steel wire rope or 12 mm diameter steel bar.



Cleaning brush incorporating a heavy duty brush and a thruster motor fitted.



Water Jet System using a high power water pump.



Holmatro Cutter with jaws opening to 144mm. Requires deep wall tooling skid, additional buoyancy, tooling selector valve, a 3-phase tooling PSU and a 4kW HPU.



Cathode Potential Probe with either contact or proximity probe options available.



Ultrasonic thickness system available to determine the level of corrosion present in a structure.



Laser options for video survey.



Battery-operated Xenon emergency strobe used to locate the ROV.



Acoustic tracking system to calculate the position of the vehicle with an acoustic beacon.



Control cabin options include video recording units, video matrix switcher, communications systems, and high-back pilot seat.

Deployment Systems and Control Cabins



Electric Winch with variable speed and direction controls.



Running Lock Latch system used for launch and recovery to reduce the strain on the umbilical. Includes a latch release line to free the vehicle from the lock latch.



A-Frame Safe Area Launch and Recovery System (LARS) with Lock Latch or Snubber options. A Zone II upgrade option is available.



Safe Area Control Cabin (16 ft) fitted with electric power distribution panels, lighting, and air conditioning. A Zone II upgrade option is available.



Safe Area 20ft split Control Cabin with a Pilot Control section and a separate high voltage PSU section. Fitted with electric power distribution panels, lighting, air conditioning, heating and 19 inch racks. An optional installed escape hatch is available as is a Zone II upgrade.

world leader in electric underwater robotics