

Hector ROVs



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HECTOR is a powerful and full customized work class ROV dedicated for cable works. These products have demonstrated their functions over 15 years of experience all around the world. During this period SIMEC, built 7 units of HECTOR and keep on upgrading them to increase their efficiency and maintainability.

Work capabilities

Operations : Burial, Inspection, Survey,
Gripping & Cutting
Power : 300kw
Operating depth : 3000m
Burial depth : Up to 2m
Speed Trenching : Up to 300m/h
Speed free swimming : Forward 2.5 Knots
Speed on tracks : 2500 m/h

Characteristics

Typical characteristics

Dimensions : length 5.5m / breadth 3.5m on tracks
Height : 2.3m
Weight on tracks : 10 tons in air
Weight on skids : 9 tons in air
Structure : Tubular stainless steel 316L
Piping and fittings : Stainless steel
Payload : 250kg

Power propulsion

Power : 225 kW / 300 kW
Operating voltage : 440V/60hz
Propulsion : 8 thrusters (4 vertical and 4 horizontal)
Bollard : Up to 500 kg each
Auxiliary power : One HPU auxiliary unit

Shipboard Support

Deployment system : Crane or dedicated winch & L.A.R.S available
Ship work deck : 300m²
Operating team : 1 team leader and 6 technicians



Instrumentation and tools

Video & cameras : Up to 8 cameras (3 pan & tilt units and 1 wide angle HD)
Data : 4x485 : 2x232 : Ethernet link (up to 6 data link in spare)
Lighting : 6 spot lights (250w) & HIT or LED light 1000w
Instrumentation : Sonar, profiler, altimeter, cable sensor...
Piloting : Auto modes: altitude, heading, tracks, depth
Navigation : Acoustic positioning system / 2 x compass
Tracking : 440 & 350 TSS Cable tracker
manipulators : 2 x 7 functions Conan (shilling)
Tools : 1 Cutter & 1 Gripper (up to 80mm cable diameter)
Jetting : HP and BP pumps / front and rear tools

All characteristics are adjustable; we customize our products in order to meet our customer's needs. Five HECTOR ROVs are currently operated on maintenance contract (ACMA, MECMA, SEAIOCMA...) avoiding KPI on all these contracts. These ROVs can also easily be used on opportunity works around the world (HECTOR 6).