



TOMAHAWK

LIGHT WORK CLASS ROV SYSTEM



MARINE SERVICES PROVIDER
SINCE 2011.

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The Sub Atlantic Tomahawk is a 3000msw rated high-power electric Light Work Class ROV system suitable for a large variety of tasks, both survey and work. The Tomahawk is based on the SUB-CAN state-of-the-art control system and provides:

- > Advanced I/O and power output control
- > Advanced diagnostics for improved productivity
- > Advanced Man-Machine Interface
- > High thrust
- > Dynamic station keeping and navigation
- > Considerable payload
- > Unparalleled instrumentation interface capability
- > Considerable hydraulic tooling power
- > Large variety of dedicated tools, both hydraulic and electric

The system can be configured to effectively accomplish a wide range of demanding mission interfacing latest generation survey instrumentation and tooling.

Tomahawk has been developed for the following missions:

- > high speed survey & geophysics
- > Inspection Repair & Maintenance (IMR)
- > light Intervention & construction
- > pipe & cable pre and post lay survey, touch- down monitoring
- > diving operation support
- > Offshore Renewable Energy, civil engineering, military or scientific missions

Tomahawk system is provided with long excursion TMS, LARS (ATEX/Eexd, single lift, ISO 20' footprint) and dedicated A60 Control Van and DNV Store Van as a standard. The system is also available in free swimming configuration.

APPLICATION

- > Geophysical survey
- > Mobile and fixed offshore assets inspections
- > NDT
- > Cables and pipelines instrumental surveys
- > Cables and pipelines lay support: pre-lay, touch-down monitoring, as-laid and as-built
- > Light construction support
- > Deep-water light maintenance and repair
- > Diving operation support
- > Environmental survey

FEATURES

High speed data transmission: 2 off 1GB Ethernet Interface Card, 5 ports high speed ethernet switch

4 off simultaneous SD video channel

2 off Full HD video channel, 4k video channel (optional)

8 off led light

Up to 10 x RS232 and 2 x 485 serial channels

Paroscientific Digiquartz Depth Transducer (Standard)

DVL aided Dynamic Station keeping and Navigation (Standard)

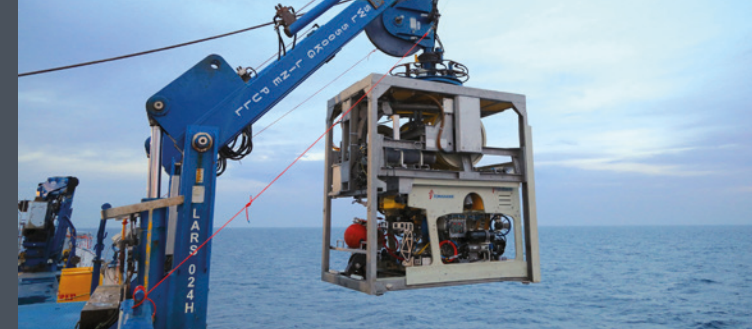
Survey Grade FOG Gyro (optional)

Advanced diagnostic capability for improved productivity

Work-class manipulator suit

Wide range of tooling including, but not limited to:

- > HP water jetting
- > Dredging package
- > Cutting/grinding disc
- > API Standard Torque tool
- > HP Fluid Injection Pump
- > AX/VX Gasket Replacement tool



SPECIFICATIONS

Depth rating (msw): 2.000 / 3.000

Dimensions (L x W x H - mm): 1860 x 1200 x 1200

Weight in air (Kg): 1.000

Forward/Reverse/Lateral bollard (Kgf): 240/240/240

Vertical bollard (Kgf): 160

Maximum speed (knots): 3.0

Standard payload (Kg): 160 (175 optional)

Subsea power output: 600VDC – 15 KW

Auxiliary Hydraulic System: 5 KW, 10 KW & 15 KW

Hydraulic Valve Pack: 12 station (standard) and 16 station (option)

System Power Requirements: 380/440 VAC 3PH
50/60Hz 110 KVA

(Control Van 15 KVA, ROV 40 KVA LARS and HPU 55 KVA)

TMS – Tether Management System

TMS garage type, top feed tether, 600m tether capacity, depth sensor, 2 x camera, 2 x led light, electro-optical slipping

LARS

Lloyd's Register certified, ATEX, 2000 and 3000 msw LARS, single lift ISO 20' footprint

Vans

IMO A60/DNV 2.7-1 20' Control Van
DNV 2.7-1 10' and 20' Store Van