



# COUGAR XT ROV SYSTEM



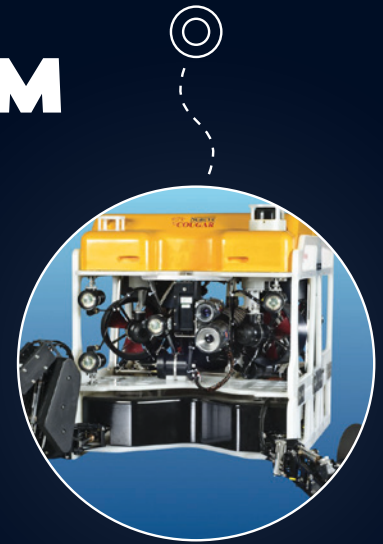
## **Class II Remotely Operated Vehicle**

The Cougar XT is highly flexible and powerful electric ROV that offer the ability to undertake a wider range of demanding tasks at low operating costs.

# COUGAR XT ROV SYSTEM

## SYSTEM MAIN APPLICATIONS

- Mobile and fixed offshore structure inspections
- NDT inspections
- Cables and pipelines surveys: pre-lay, touch-down monitoring, as-laid and as-built
- Pipeline instrumental inspections
- Multibeam surveys
- Deep-water light maintenance and repair



## GENERAL SPECIFICATIONS

Depth rating (msw):	2000
Dimensions (L x W x H - m):	1.5 x 1.0 x 1.1
Weight in air (Kg):	500
Payload (Kg):	80

## PERFORMANCE

Thrusters (horizontal):	4 x Saab Seaeeye SM7
Thruster (vertical):	2 x Saab Seaeeye SM7
Forward bollard (Kgf):	170
Lateral bollard (Kgf):	120
Vertical bollard (Kgf):	110
Maximum speed (knots):	3.2

## AUTO FUNCTION CONTROL

Auto heading:	Available
Auto depth:	Available

## SENSORS

Compass:	Saab Seaeeye 10CP / 4 ± 1 deg accuracy
Depth Sensor:	Saab Seaeeye 10DP / 2 ± 0.1% FSD accuracy
Sonar:	Tritech Super Seaking

## CAMERAS AND LIGHTS

Tilt unit:	1 x electric Saab Seaeeye
Low light B/W camera:	1
Color CCD fixed focus camera:	1
Incandescent lights camera:	4 (on 2 separate channels)

## HYDRAULIC SPECIFICATIONS

90130 power pack pressure and flow (bar@lpm):	140@1.25
90150 power pack pressure and flow (bar@lpm):	140@15
7-F valve packs*:	2 x HLK-73000

\*Functions are shared with manipulators

## MANIPULATORS

5 functions:	2 x Hydrolek HLK-HD5
3 functions grabber*:	Optional

\*Replaces a 5 functions manipulator when installed

## TELEMETRY SYSTEM

Standard channel types:	3 x RS232 / 485 / 422*, 1 x CP twisted pair, 3 x fixed focus PAL video, 1 x zoom focus PAL video
Subsea power outputs:	110VAC, 24VDC

\*2 x RS 232 / 485 / 422 + 1 x 10/100 ethernet channels available depending on ROV unit

## GARAGE TETHER MANAGEMENT SYSTEM

Dimensions (L x W x H - m):	1.7 x 1.4 x 2.3
Weight in air (Ton):	1.3
Tether length maximum capacity (m)*:	200
Depth Sensor:	1
Color CCD fixed focus camera:	1
Incandescent lights:	1

\*Optional 400m capacity TMS available upon request

## CONTROL VAN, WORKSHOP AND STORAGE

1 x ISO 20' container or 1 x 10' + 1 x 14' containers\*

\*Additional storage container may be required by scope of work

## LAUNCH & RECOVERY SYSTEM

Shipping configuration (L x W x H - m):	6.1 x 2.6 x 2.6
Weight (incl. ROV and TMS - Ton):	16
Winch main lift umbilical capacity (m):	1900

## STANDARD OPERATIONAL LIMITS

Beaufort:	6
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## ELECTRICAL REQUIREMENTS

ROV and LARS:	380 / 475 VAC, 50 / 60Hz, 3PH, 75KVA
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## ROAD TRANSPORTATION

Number of trucks:	2
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