



# FALCON

FALCON 300 AND FALCON DR 1000  
ROV SYSTEM



MARINE SERVICES PROVIDER  
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## FALCON 300 AND FALCON DR 1000 ROV SYSTEM

The Seaeye Falcon is a powerful and versatile Observer Class ROV system, with very high power-to-weight ratio (1:1). Falcon system is suitable for a large variety of observation and inspection tasks both inshore and offshore.

Falcon is based on a distributed advanced control system, which also provides full diagnostics for improved reliability and productivity. The system offers a very good interfacing capability with latest generation survey equipment.

The system is particularly suited to support diving operations, where it sets the highest standards of performance and reliability.

Falcon system is 300msw or 1000msw rated and is provided with TMS, LARS and dedicated A60 Control Van, Store Van, various optional tools and instruments. The system is also available in free swimming and portable configuration.



## APPLICATION

- > Mobile and fixed offshore structure inspections
- > NDT inspections
- > NDT
- > Cables and pipelines lay surveys: pre-lay, touch-down monitoring, as-laid and as-built
- > Pipeline instrumental inspection
- > Diving operation support
- > Environmental survey
- > Geophysical survey

## FEATURES

Fiber Optic communications multiplexer

Auto heading, Auto depth

2 X SD video channel

1 Full HD Video Channel (optional)

1 x ETH 1000Mbps

2 x RS232 and 2 x 485 serial channels

Advanced diagnostic capability  
for improved productivity

Wide range of tools and sensor including,  
but not limited to:

- > Tritech Sea Prince imaging sonar
- > Single function gripper
- > 5 function manipulator, 10kg lifting capacity
- > Rope cutter



## SPECIFICATIONS

Depth rating (msw) Falcon / Falcon DR: 300 / 1000

Dimensions (L x W x H - mm): 1023 x 600 x 569

Weight in air (Kg): 100

Forward/Reverse/Lateral bollard (Kgf): 50/50/28

Vertical bollard (Kgf): 13

Maximum speed (knots): 2.0

Standard payload (Kg): 14

Subsea power output: 48VDC - 0.4 KW

Auxiliary Hydraulic System: 0.4 KW

Hydraulic Valve Pack: 5 station

System Power Requirements: ROV 3KW

230VAC 1PH 50/60Hz

(Control Van 10KW – 380/440 VAC 3PH 50/60Hz

LARS 22KW – 380/440 VAC 3PH 50/60Hz)

### TMS – Tether Management System

TMS garage type  
top feed tether  
200m tether capacity  
depth sensor  
2 x camera and 2 x led light

### LARS

RINA Register certified for offshore lifting  
1000msw  
Single lift ISO 10' footprint IMO A60 / DNV 2.7-1  
10' Control Van

