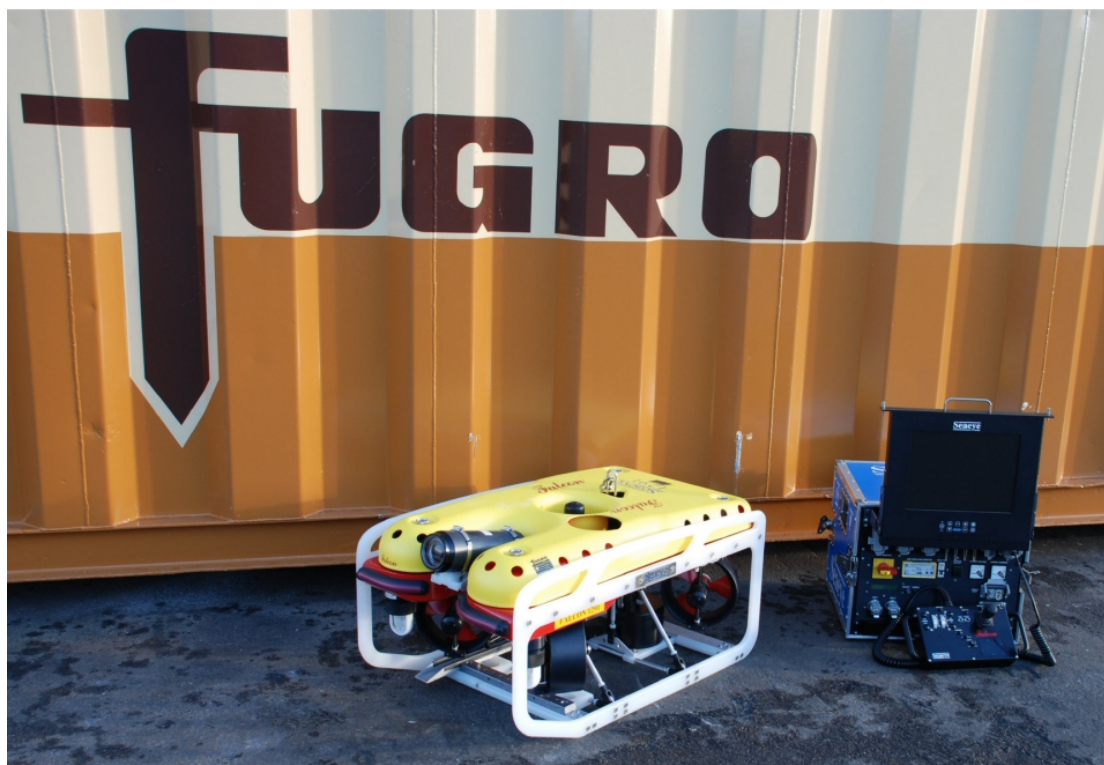


# Seaeye Falcon



## Inspection Class Remotely Operated Vehicle

The Seaeye Falcon ROV is suitable for all Inspection and light drill support projects. It can be utilised either as a powerful "Portable" ROV for fast and cost effective mobilisation via air transport or as a fully containerised unit complete with davit launch arrangement and umbilical winch.

Fugro's containerised system provides both a comfortable working environment for the Pilot and a spares storage/workshop facility.

The arrangement is supplied in a 2-lift package specifically designed for ease of mobilisation onto offshore drilling rigs & platforms, is easy to set-up and requires no installation welding or cutting :

- The winch attaches to the side of the container to provide a "Gravity-based" Launch & Recovery arrangement
- The davit design allows the vehicle to pass over the top of any existing hand rails

### Standard Features

- 300m depth rating 16kg Payload
- Brushless DC Thrusters. (4 vectored, 1 vertical)
- 50kg of Thrust
- High Power to Weight ratio
- Variable Intensity Lighting (150W)
- High resolution Colour Camera on 180° tilt unit.

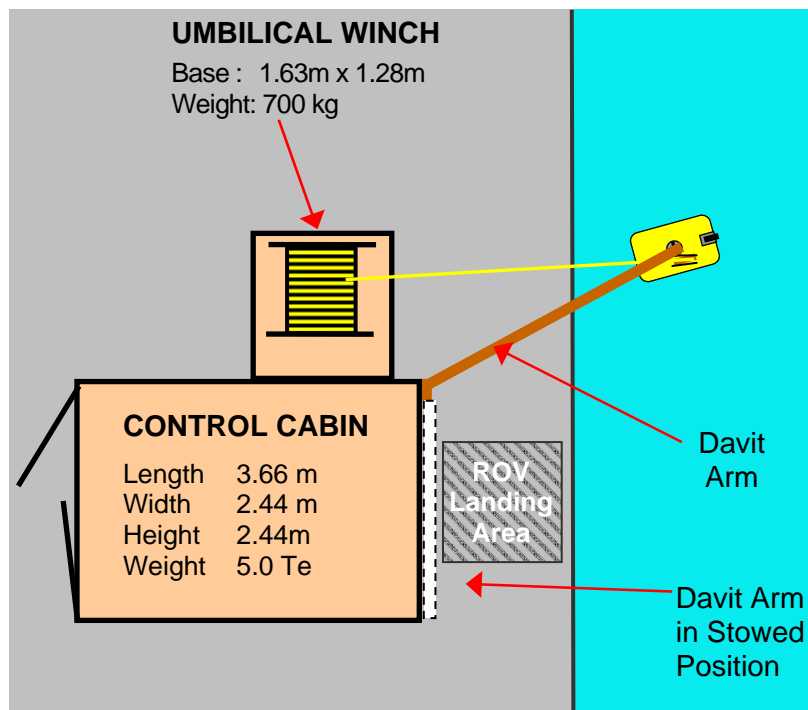


# Seaeye Falcon

## Inspection Class Remotely Operated Vehicle

<b>Vehicle Dimensions</b>		<b>Standard Equipment Fit</b>		<b>Umbilical Winch (Containerised mode)</b>	
Length	1000mm	1 x CCD Colour Camera ( 480TVL, 0.2Lux) on Tilt Unit $\pm 90^\circ$		Dimensions :	Length: 1.63 m    Width: 1.28 m
Width	600mm	1 x High Resolution Scanning Sonar			Height: 1.32 m
Height	500mm	2 x Variable Intensity Lights (150W in total)		Weight	700 kg
Weight:	50kg/62kg with additional buoyancy	<b>Optional Equipment</b>		<b>Control Container (optional)</b>	
<b>Vehicle Construction</b>		<ul style="list-style-type: none"> <li>- Single Function Manipulator/Rope Cutter</li> <li>- C.P. Contact and proximity</li> <li>- Marine Growth Thickness probe</li> <li>- USBL Positioning Transponder</li> <li>- Additional camera (switchable with main camera)</li> </ul> Additional options are possible including hydraulic tools, with an electro-hydraulic underslung skid fitted		Dimensions :	
Frame Type:	Open solid frame manufactured from polypropylene with anodised aluminium electronic pod			Length: 3.66 m*    Width : 2.44 m	
Buoyancy:	Syntactic PVC foam			Height : 2.44 m	
Depth Rating:	300msw			Weight	
Payload:	16Kg			5,000kg*	
Thrusters:	5x Seaeye MCT01 High Efficiency, Low maintenance, Brushless DC Motors Magnetically coupled, each giving thrust of 13kgf			Classification:	
				Either <i>Zone 2</i> or <i>Safe Area</i> rated.	
				Standard Equipment	
				1 x DVD & 1 x VCR's , 1 x 14" Monitor 1 x Sonar Control PC	
				Control System	
				19" Rack Mounted. Joystick Pilot Controls on Hand Controller with Flying lead. Pull-Out keyboard System Control Diagnostics Video Overlay (fully Integrated into system with free text entry) Auxiliary Functions (incl manipulator).	
<b>Performance</b>		<b>Umbilical</b>		Davit launch arm is swung out and winch is attached to container during operations. Davit is stowed and Winch disconnected for ease of transport.	
Forward Thrust	50 kgf	Type:	Seaeye Type 5810 lightweight cable with high abrasion resistance Elastomer sleeving and embedded Vertran Strength members giving 530kg MBL	<b>Power Requirements :</b>	
Lateral Thrust	28 kgf	Conductors :	4 x Power, 4 x screened twisted pairs 1 x Discrete CP Reference	Vehicle & Surface Unit only : single phase, 100-270Vac, 3kW	
Vertical Thrust	13 kgf	Diameter :	17mm	Full System with Umbilical Winch : 3phase, 380-480Vac, 15kVA	
<b>Standard Features</b>		Length :	250-350m		
Auto Heading & Auto Depth functions.		Weight :	approx 0.1kg/m in water		
Compass & Rate Gyro $\pm 0.5^\circ$					
Depth Sensor $\pm 0.5\%$ of FSD					

\* **N.B.** Control Container Lengths vary between systems up to 15' (4.6m) and gross weight varies up to 6Te. If available space on the installation cannot accommodate this length, then size of actual system to be mobilised should be confirmed.



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