MultiROV

“Flexible, Adaptable and Configurable”

The MultiROV has been designed to offer the operator a flexible solution to subsea remote operations and can be configured to meet changing and demanding operational requirements.

MultiROV configurations:

- **ROV Mode:**
  - 300HP (Dual HPU) deep water Work Class ROV with TMS
  - Free flying ROV with ultra-high thrust for high current operations

- **AuxROV Mode:**
  - 300Hp Power Pack for Boulder Clearance / Subsea Power Pack for Flushing / Pigging
  - Mass Flow Excavator operations

- **TrackROV Mode:**
  - A tracked skid for cable burial surveys, dredging and seabed mapping

The MultiROV design focus has been to make the vehicle simple to operate with an advanced control system and 4k video wall display together with class leading performance, reliability and ease of maintenance.

The MultiROV is fully compatible with all ROVQUIP Tooling including the API53 compliant BOP Skid.
**MultiROV Basic Specifications**

**Power:** 300Hp  
**Through Frame Lift:** 30,000kg  
**Dimensions:**  
  - Length: 3,000mm  
  - Width: 1,900mm  
  - Height: 2,100mm  
**Weight in Air:** 4,500kg (Variable on spec)  
**Payload:** 250-300Kg (Variable on spec)

**Hydraulics and Tooling**

**HPU 1:** 150Hp  
**Pump:** Kawasaki 140cc pump  
**HPU 2:** 150Hp  
**Pump:** Kawasaki 140cc pump  
**Total Flow:** 490 Lpm @ 250Bar  
**Manifolds:** 2 x 10Stn. Proportional NG3  
**Manipulators:**  
  - Schilling T4 (7P)  
  - Atlas (7R & 7P)  
  - Rigmaster

**Performance**

**Standard configuration (7 Thrusters)**  
**Thrust figures:**  
  - 1,145kgf Lateral  
  - 1,174kgf Vertical  
**Speed:**  
  - Fwd speed: >3.5 Knots  
  - Lateral speed: >2.5 Knots  
  - Vertical speed: 3 Knots

**Enhanced configuration (11 Thrusters)**  
**Thrust figures:**  
  - 2,290kgf Lateral  
  - 1,174kgf Vertical  
  - Fwd speed: >5 Knots  
  - Lateral speed: 4 Knots  
  - Vertical speed: 3 Knots
| Auto Functions:                        | Auto depth                                      |
|                                     | Auto Altitude                                   |
|                                     | Auto Heading                                    |
|                                     | Dynamic Positioning                             |
|                                     | Cruise control                                  |

**Control System**  
Gladiator 2 Control System  
Aleron proprietary fibre optic multiplexer

**Video and Lighting:**  
2 x 4k UHD Video channels  
8 x SD Video channels  
IP Streaming video (H.264)  
24V LED & 120VAC LED Flood

**Survey/Data channels:**  
8 x 10/100/1000Base Ethernet  
2 x 1000Base Ethernet  
Multiple RS232/485 Serial channels

**Power:**  
24/48VDC: 1,600Watts  
120VAC: 3,600Watts

**Operator Interface:**  
Dual 24” Touchscreens  
Ergonomic Operator Console and Chairs  
7 x 40” Video Wall Display

**Additional Options**

**Remote Diagnostics & Status**  
System status (Operational, Standby etc)  
Allows remote viewing and diagnostic analysis in real time.  
System health & Trend monitoring.

**Integrated Navigation suite**  
Displays multiple Vessel & ROV positions with seabed data.  
Allows ‘Click’ n Go’ navigation, Waypoint Manoeuvring & Offset Manoeuvring. Calculate and Display Ranges & Bearings.

**Remote Piloting**  
Vehicle control from a remote station

**T4 Manipulator Controller**  
Uses OLIS Master Controller for advanced manipulator control remote and resident

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“Transforming ROV Technology”

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