

Standard Falcon ROV System



Standard Falcon ROV – 300m depth rated

The Falcon ROV system is configured to be free swimming. It is adaptable, reliable and can perform varied inspection tasks from CVI to CP surveys. Various tooling packages can be integrated with the Falcon (listed below).

The Falcon ROV can be supplied in three options.

Option one: Falcon ROV complete with surface control units packed into transit cases and can be mobilized via air freight

Option two: Falcon ROV complete with surface control units fitted out in an offshore safe area control container

Option three: Falcon ROV complete with surface control units fitted out in an offshore safe area control container and capstan winch unit



The standard Falcon ROV is supplied with the following

ROV

- 5 x MCT1 thrusters
- 1 x Colour Camera
- 1 x Monochrome camera
- 1 x Mini King Sonar
- 1 x 300mtr low drag umbilical
- Tooling packages on request (additional cost)

Standard surface equipment

- 1 x Power supply unit
- 1 x System keyboard
- 1 x Pilot monitor
- 1 x Survey monitor
- 1 x VGA monitor
- 1 x Laptop PC for sonar and system paperwork
- 2 x DVD recorders
- 1 x Remote spares package including spare umbilical

Specifications of the Standard Falcon ROV

Size, Weight and Thrust

- Length 1000 mm
- Height 575 mm
- Width 600 mm
- Thrust Fwd 48 kg
- Thrust Lateral 28 kg
- Thrust Vertical 12 kg
- Weight 65kg
- Payload 10 - 15 kg

Video Overlay includes as standard

- Compass Heading
- Depth in metres or feet
- Camera tilt platform position
- Auto function status
- CP reading (optional)
- Odometer Count (optional)
- Date and Time
- Facility to export data to survey

Power requirements

- 220-240Vac single phase 16amp

Optional Tooling packages

- Contact or Proximity CP
- Innovatum Pipe / cable tracking system
- Ultra thickness measurements
- Mechanical cleaning
- Scaling cameras
- Single or 5 function manipulator
- Dye injection system

**Optional 3.6m x 2.42m x 2.66m – Safe area ROV control Cabin
BS EN 12079 DNV 2.7-1 standard**

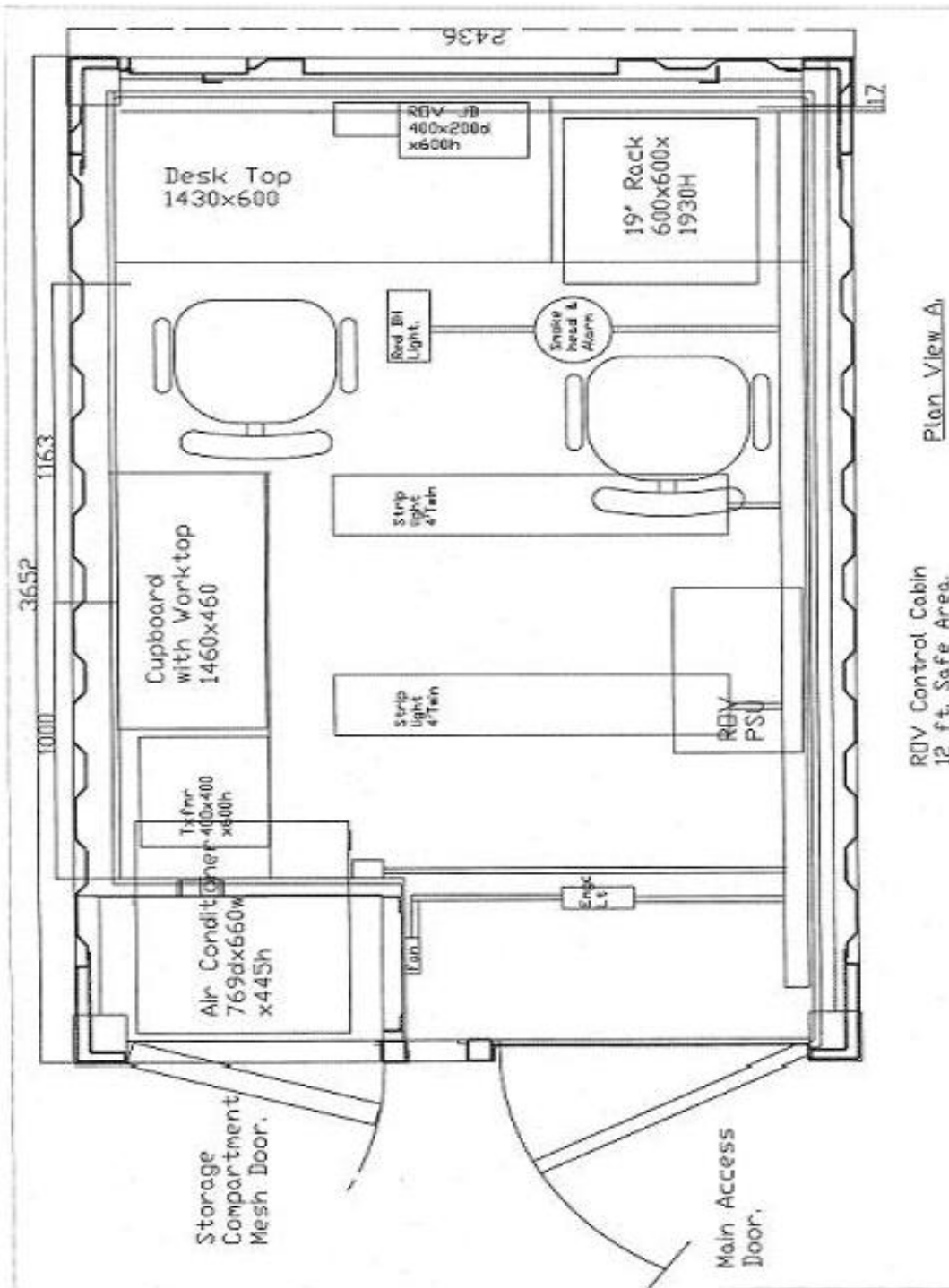
- 3 Phase 380Vac to 460Vac and single phase 220Vac power
- ROV 19" control racking with supporting equipment
- Heating and air conditioning
- Storage cupboards
- COSHH Cabinet

Ancillary Equipment fitted within the 19" control racking

- 2 x Pilot pal monitors
- 1 x Pilot Sonar VGA monitor
- 1 x Diagnostics VGA monitor
- 1 x ROV PSU 220Vac to 500Vdc
- 1 x Surface electronics
- 2 x DVD recorders
- 1 x Netmc Marine DVRi (optional)
- 1 x Netmc Marine Overlay system (optional)
- 1 x Panasonic AG-7350 SVHS recorder (Blackbox recording only)
- 2 x Survey pal monitors
- 1 x Canford communication master station
- 1 x Sonar PC
- 1 x General PC
- 1 x Printer



Internal layout of the Falcon control cabin



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