



## Gladiator Control System

Designed around the need for the ability to replace aging electronics with a cost effective, easy to use, highly capable ROV control system Aleron Subsea have developed their own Gladiator control system. Developed in house we have a range of subsea and surface PCB boards which are used to upgrade and operate any ROV system.



The Gladiator control system is designed to be user friendly with minimal complexity and minimal components. The same PCB board is used throughout our system, including in our valve packs therefore spares are kept as minimal as possible.

With an easy to use touch screen and joystick the controls for the system are easy to learn and can be customised in house.

## Software

Our software has been designed to be user friendly and simplistic with 3 main screens.

- The main options screen which displays your various control and settings options.
- The operations page which has all of your key commands on a touch screen.
- The flying screen. Displayed separately on the system monitors shows all of the key system equipment feedback and sensor warnings.

The software is controlled, edited and updated in house, therefore customisation to specific client requirements is not a problem.



## General Specification

### Electronic

- Link Fibre Optic MUX system
- 3 Ethernet outputs (1 Gigabit per channel)
- Option to add additional Ethernet modules
- 6 analogue video (upgradable to 8)
- Option to add 4 HD video channels
- Up to 36 Serial Channels
- Option to add dual PECL multi-beam sonar interface
- Option to add a 4 channel Tritech ArcNet Board
- Option to add a 9 channel RS232, RS485 trigger board
- 32 Digital Out
- 8 Digital In (HV isolated)
- Auto Depth
- Auto Altitude
- Auto Heading
- Up to 16 Analogue Inputs (each can be individually switched between voltage & 4-20 mA)
- 8 Analogue outputs
- 4 Tristate Camera Outputs
- 2 PT100 Inputs (HV isolated)
- Low Voltage Ground Fault Detection
- Custom Flying/Control Chair
- Touch Screen for the control page
- Pilots chair (optional)

### Hydraulic

- 4 Station High Flow Thruster Control Valve Pack, Port and Starboard (Various Options Available ask for more details)
- 5, 10, 12, 16 Station General Function Valve packs (Various Options Available ask for more details)
- Hydraulic Locking Pin for securing the underslung tools

