

AC-ROV Concept Vehicle

Ac-cess and their engineering partners at All Oceans (UK) have been researching, developing and testing materials and components leading to development of the AC-ROV concept video camera and sensor platform. This has six thrusters, all identical, to give the operator all the viewing control that will ever be needed. Four full-bore vectored horizontal thruster units give equal forward, sideways and pan control, whilst two vertical units give powerful up, down and pitch control. A one handed (left or right) 5-axis controller makes for a very simple and versatile operator interface. Flight Freeze is a further feature that may be selected, refreshed or terminated with the press of a button. The concept AC-ROV has been tested and all moving parts have been endurance tested to failure at continuous full speed at full pressure load (100 per cent duty). All drives are externally accessible, as are the lights and camera. It is even possible to connect the tether to the top, back or bottom of the vehicle.

<https://www.hydro-international.com/content/article/ac-rov-concept-vehicle>
