

PRODUCT INFORMATION SHEET

The **Anguila High Power Changeover Switch (HPCS)** is developed to *enable the operator to direct high power from a topside supply between two subsea consumers without the need for a costly and time consuming intervention.*

The switch has been subjected to a vigorous qualification program.

The design is such that it will withstand the rugged handling it may receive during the transport and deployment stages, and give a trouble-free life during normal operations. The switch can be installed both in a horizontal or vertical position as well as at any other preferred angle.

The switch can be supplied with vibration damper if it is supposed to be installed on subsea equipment where it may be exposed to extreme vibrations.

The switch is a self-contained dielectric oil-filled pressure compensated unit with three high power subsea mateable connectors (not part of the switch scope) specified by the client for connection to the source and consumers. The subsea ROV mateable connectors are attached to flexible oil-filled hoses.

There are two low-pressure (207bar) hydraulic lines with quick connectors to the hydraulic power for activating the switch. These can either be direct or via a subsea control module. The quick connectors are to be free issued by client.

The switch is bi-stable, meaning; it will stay in its last position in the event of loss of hydraulic power. The switching is virtually instantaneous in that it takes less than 0.5 second to activate from one position to the other, and there is no intermediate position possible.

The switch position can be remotely indicated for ROV observation by means of an indicator connected in parallel to the switch. This indicator can typically be mounted on a ROV panel for easy ROV access.

The switch fitted with high power connectors and hydraulic "Hot stab connectors" as a complete assembly will be subjected to FAT prior to shipment.

