



HSP

PROVIDING THE RELIABILITY NEEDED FOR PUMPING SUBSEA WELLS

In challenging subsea applications it is important that performance and revenue are assured and operating costs controlled. In other words, no matter how variable the well conditions are, oil lift pumps have to work right the first time, every time, and for a long time.

From the beginning, the oil industry has relied on the proven power of hydraulics to assist in drilling wells. ClydeUnion Pumps, an SPX Brand, has utilised this approach in the application of hydraulic turbine driven multiphase submersible pump (HSP) technology to provide you with the ultimate solution in uptime and reliability.

Since 2000, ClydeUnion Pumps HSP technology has been successfully producing heavy, gassy crude through multiple subsea wells in the North Sea with exceptional performance and availability.

- **Unequalled operating envelope** = optimised reservoir drainage without worrying about pump operation
- **Truly multiphase capable** = unrivalled ability to continuously pump gassy fluids with no risk to the pump
- **Plug and Play design** = reduce time and eliminate problems at the point of installation
- **Fluid commingling** = enhanced functionality for improved production path flow assurance
- **Turbine drive** = electric free for maximum operability and reliability

Over 13 years of multiphase subsea well operations have demonstrated that HSPs can typically achieve run lives at least 3 times longer than the industry average for ESP systems.

HSP – the “Life of Well” pumping solution that takes care of itself

