Perry Slingsby designed and built a pipeline clamp and retrieval tool for a subsea jumper that required two tools. One tool clamped the pipe section to pick it up off the seabed and an additional tool to secure all sections of the jumper for bringing the section up to the surface. Internal bore grabbing tools were previously used but due to the weight, outer layers would peel away from the inner layers of the pipe.
Perry Slingsby recently developed and built an ROV tool for the purpose of venting and clamping damaged sheath sections of riser pipe, subsea. The tool is designed to be operated with an ROV to help alleviate the “ballooning” effect of outer riser sheath sections of pipe where gas build up has occurred. Perry’s riser clamp repair system was installed over the damaged area of pipe by first drilling a small hole in the outer sheath to vent the gas. Once the gas was vented the clamp was installed along with a small pressure relief valve to release any further gas.
Perry Slingsby is designing a portable subsea winch frame for an FPSO buoy to be deployed in the GOM. The winch will be operated by an ROV subsea using a hot stab to pump hydraulic fluid through a receptacle to operate the winch. The winch is designed to pull up several umbilical's through the buoy for installation purposes. By using this system the operator will reduce the amount of support vessels to perform this type of operation.

The frame is of modular design and will be removed once the pull-in operations are complete. This gives the operator a pull-in system they can re-use for future projects.
Perry Slingsby design and build several size Suction Vent pile plugs and receptacles utilized in the installation of mooring piles. 12” and 24” diameter plugs are designed to be easily installed by ROV’s and withstand internal as well as external pressures.

12” plug and mating receptacle

24” plug and receptacle assembly during testing
Perry Slingsby recently designed and built two styles of ROV panels for use on an FPSO buoy. Both panel designs utilize our standard ROV ball valve assemblies, hot stabs and receptacles. We also designed specialty spring return ball valve to act as a fail safe open or closed once released by the ROV manipulator arm.

Panels installed on FPSO Buoy to control floatation

Spring return “Fail safe”

Panels being tested along with solid model view.