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Stellar Technology's Load Pin Designed for ROV Use



ROVs – Remotely Operated Vehicles – are instrumental in a wide range of underwater tasks including inspecting, servicing, and maintaining equipment located on the ocean floor. Today, many subsea systems are being designed so they can be installed, operated, and maintained entirely through the use of ROVs.

In this proprietary sensor application, STI engineers came up with a special design solution using a modified 60,000 lbf Model LDP990 load pin for use on an ROV built for the offshore oil industry. In this demanding application, robust cable assemblies are required to manage the strain of the 16,000 foot tether which connects the ROV to the surface, and special molded connectors are used prevent water from seeping into the sensors at extreme water depths. These load cells deliver 1.00% nominal accuracy, have an internally amplified 4-20mA output to accommodate the long cable run, and are temperature compensated to 14°F.

These robust load pins are fully welded, pressure tested, and pressure compensated to perform reliably more than 3 miles beneath the surface of the ocean. It's just another example of a special application solution from Stellar Technology.

Your Application-Solution SourceSM