

# Nautronix Delivers First Systems of USD10m Order



Nautronix has successfully delivered the first two NASDrill RS925 and NAsEBOP (Emergency BOP Acoustic Control) systems from its current order of four systems for two of Rowan's new ultra-deepwater drillships, the Rowan Relentless and the Rowan Reliance. The total contract value is worth approximately USD10 million.

Nautronix's NASDrill RS925 system has been designed specifically to meet the requirements for a reliable, stable DP and position reference system for demanding offshore operations, in particular deepwater drilling vessels.

NASDrill RS925 combines the two most accurate deepwater acoustic positioning technologies – Short Baseline (SBL) and Long Baseline (LBL), to calculate multiple

independent position solutions providing reliable, repeatable input to the vessels DP system; with SBL mode providing accuracies of 0.15% slant range and LBL mode providing accuracies up to 1m RMS independent of water depth.

These systems are one of the first of their type to be certified to comply with ABS's new Integrated Software Quality Management (ISQM). ISQM is a process that manages software control system development and changes on an offshore unit during its lifetime. The NAsEBOP system also meets the requirements of the ABS Classification of Drilling Systems (CDS). To achieve this certification the system was proven to operate during extensive arduous environmental testing, including shock and vibration, to ensure its reliability.

Nautronix's NAsEBOP Control System provides a method of backup control of critical BOP functions in the event of failure of primary communication and control. At the heart of the system is Nautronix's ADS<sup>2</sup> (Acoustic Digital Spread Spectrum) signalling technology. The system achieves a highly reliable communications link from a surface vessel to a subsea isolation device, such as a full BOP, or a simple isolation device which would be used during surface BOP drilling.