

NASCoM Control and Monitoring System

Always be in control
with NASCoM

NASCoM provides long range, high integrity remote control and monitoring of subsea systems, either as a primary system, or secondary in conjunction with an umbilical connection. At the heart of NASCoM is ADS² (Acoustic Digital Spread Spectrum) signalling technology which uses advanced coding technology, ensuring no interference from unwanted sources. The system is field proven, and performs in shallow water around structures and deep water.

As a wireless system, multi-user, multi-asset operation is straightforward. The system can allow multiple user interfaces to monitor subsea equipment and the acoustic communication path is highly secure and cannot be accessed or interfered with by other systems. Dual redundant equipment may also be deployed.

NASCoM makes use of significant intelligence in the Subsea Control Unit (SCU), allowing it to provide analysis of data, or autonomous operation including fail to safety functionality.

NASCoM is well suited for the following applications:

- An alternative solution to wired umbilical or ROV wet-mate connection
- Operation of subsea valves and connectors
- Monitoring (with logging option) of pressure, temperature, flow rate, volume, CP sensors

Special Features:

- Portable surface controller
- Live data monitoring
- Signalling suitable for high integrity, reliable long range applications
- No interference from unwanted acoustic noise
- Control and monitor subsea systems from multiple locations
- Upload data log files via wired connection

Smart Solutions

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