



NASCoM

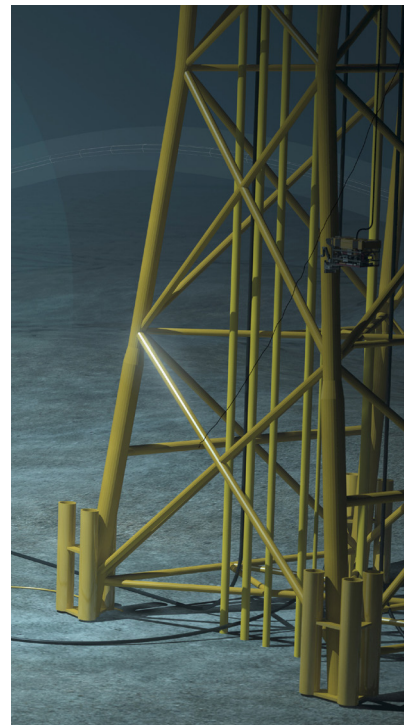
Subsea Acoustic CP Monitoring

Based on an extensive track record of acoustic communication across positioning, controls, and monitoring products, Imenco Nautronix has applied its advanced acoustic communication technology to the application of monitoring multiple reference electrodes as part of a CP system. Through NASCoM, it is possible to monitor distribution of protection across a structure and peripheral assets as required.

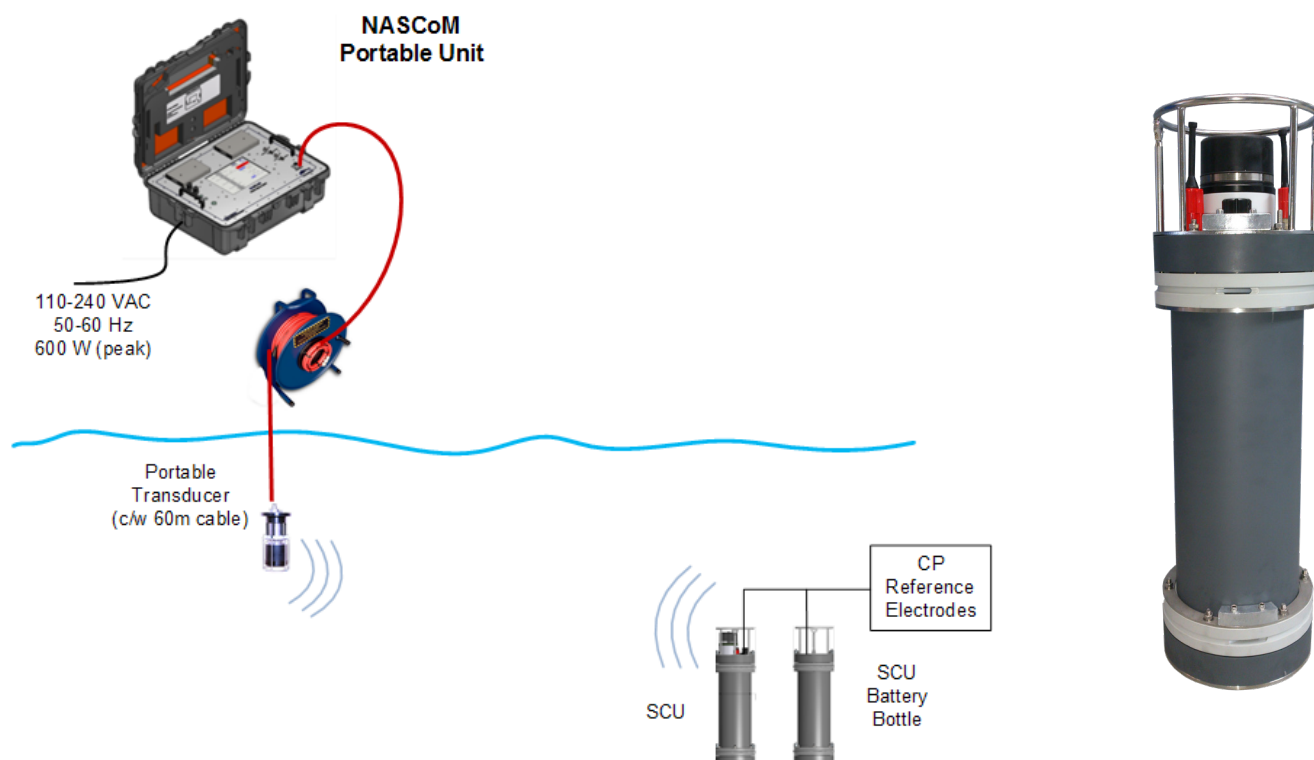
The range of acoustic communication, along with its reliability and robustness in noisy and multipath environments ensures that NASCoM provides reliable communication with all monitoring points without the need for relay nodes. This is being used to extend the life of asset and reduce cost to the operator.

Special features:

- Proven acoustic communication, controls and monitoring capability
- Acoustic Digital Spread Spectrum (ADS²) technology for long range, high integrity control
- Alternative to wired sensors, periodic diver/ROV surveys or drop cell measurements
- Range allows communication with peripheral monitoring points, e.g. pipelines
- Communication with multiple monitoring locations from a single topside location
- Portable surface controller
- Up to ten year battery life
- Corrosion resistant plastic housing design
- Interface to Zn and AgCl reference electrodes and current density probe



Technical Specification



Technical Specification	
NASCoM	
Surface system	NASCoM portable unit and portable transducer 110-240 VAC supply with internal battery
Subsea system	Up to 30 subsea control units
Depth rating	100 metres (deeper options available on request)
Range	Up to five kilometres
Battery life	Lithium battery, life dependent on operational scenarios (up to ten years)
Sensors interfaces	2 x Zn/AgCl reference electrode -2,000 mV to +2,000 mV 1 mV accuracy 1 x current density probe 0 to 200 mV (via shunt) 1 mV accuracy