



NASCoM

Subsea Asset Monitoring

With an extensive track record of acoustic communication, Imenco Nautronix NASCoM provides long range, high integrity remote monitoring of movement and changes in orientation of subsea structures and pipelines. NASCoM can be deployed to ensure that subsea assets remain stable, with the ability to monitor from a local platform or vessel without the need to launch an ROV for inspection.

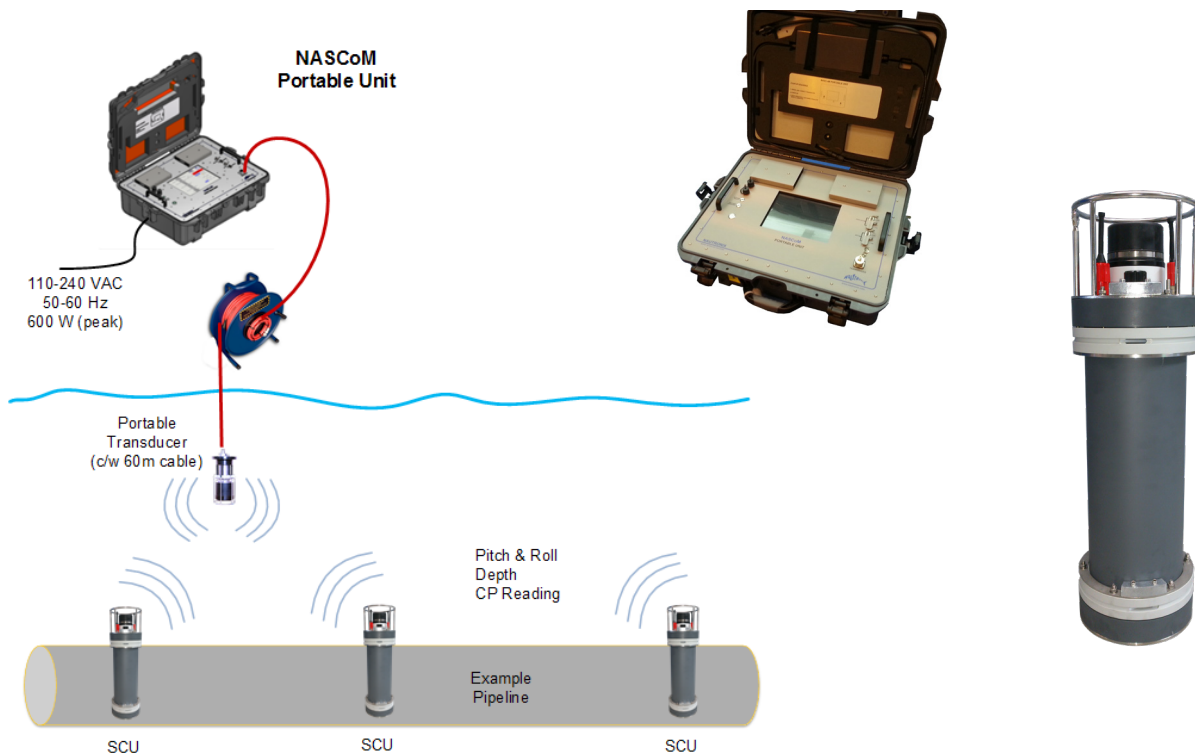
The range of acoustic communication, along with reliability and robustness in noisy and multipath environments ensures that NASCoM provides communication with all monitoring points without the need for relay nodes. This is being used to extend the life of asset and reduce cost to the operator.

Special features:

- Proven acoustic communication, controls and monitoring capability
- Alternative to wired communication or periodic diver/ROV survey
- Report absolute pitch & roll, heading, depth, maximum and minimum values and maximum rate of change
- Up to 5km range allows reliable communication with remote assets
- Communication with multiple monitoring locations from a single topside location
- Portable surface controller
- Up to ten year battery life



Technical Specification



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Surface system	NASCoM portable unit and portable transducer 110-240 VAC supply with internal battery
Subsea system	Up to 30 subsea control units
Orientation monitoring	Pitch and roll accuracy: 0.2° Depth accuracy: 300 bar \pm 0.01% FS Heading accuracy: \pm 0.5° 32 GB logging capability
Monitoring inputs	Reference electrode inputs for CP monitoring (optional)
Depth rating	PVC housing: 100 metres Aluminium housing: 3,000 metres Stainless steel housing: 4,000 metres
Range	Up to five kilometres
Battery life	Lithium battery, life dependent on operational scenarios (up to ten years)

Smart Solutions

nautronix@imenco.com

www.imenco.com

REV 001