



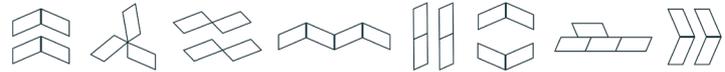
## SIIS L1 Subsea Wireless Telemetry

Long range, high integrity, wireless monitoring of subsea sensors

Remote monitoring of multiple SIIS L1/ 4-20 mA sensors such as pressure transmitters (PT) and temperature transmitters (TT).

Subsea wireless telemetry provides a true alternative to umbilical connections, or data recovery via ROVs and divers. Power is supplied to sensors, measurements captured, and data transmitted to topside or other subsea devices. Battery and power options extend deployment time to 10 years.

Bespoke solutions are available, optimising efficiency, maximising battery life.



# SIIS L1 Subsea **Wireless** Telemetry

Long range, high integrity, wireless monitoring of subsea sensors



## Advantages

- Imenco extensive track record of providing subsea wireless solutions tailored to the needs of clients.
- Proven acoustic communication
- Alternative to wired communication or periodic diver / ROV intervention
- No need for additional subsea interface modules or power sources
- Long range allows communication with remote assets
- Topside connection to laptop, control room, or network gateway
- Communication with multiple subsea locations from a single topside location

## Technical Specs

Interface	8x SIIS L1 (4-20 mA @ 24 VDC), SubConn FCR1506M
Max sensor update rate	5 seconds
Surface Transducer power / interface	12 VDC, 500 mA max, RS232 / RS485, SubConn FCR1506M
Transmission range	Up to 2 km
Operating frequency	24-32 kHz
Battery life	NiMH: up to 1 year Li-Ion: up to 2 years Alkaline: up to 2 years Lithium Pri: up to 10 years Battery life calculations available on request for expected usage scenarios
Depth rating	Acetal: 1000 m, Aluminium: 3000 m (316SS and Titanium options available)
Dimensions	Surface Transducer: 282 mm x 80 mm Ø, 1.5 kg Sensor Interface Pod: 715 mm x 135 mm Ø, 12.5 kg