

# Datasheet

## Fusion 2

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### **Uniting navigation and positioning for seamless efficiency.**

Fusion 2 simplifies operations by fusing workflows and controlling all Long BaseLine (LBL), Sparse LBL and SPRINT Inertial Navigation System (INS) projects from one intuitive interface.

From subsea structure installation, metrology, pipeline and spool piece monitoring to pipeline positioning and more, Fusion 2 streamlines subsea navigation and positioning.

No more juggling multiple programmes - it connects LBL, Sparse LBL and SPRINT INS for smooth workflows, real-time calibration and efficient deployments. This future-proof technology unlocks the potential of 6G+ and Wideband 3 instruments.

### **Real-time calibration**

For faster, more efficient Sparse LBL operations, Fusion 2 allows real-time calibration of seabed transponders using Simultaneous Localisation and Mapping (SLAM). Eliminating delays and ensuring accurate data collection from the start.

### **Enhanced efficiency**

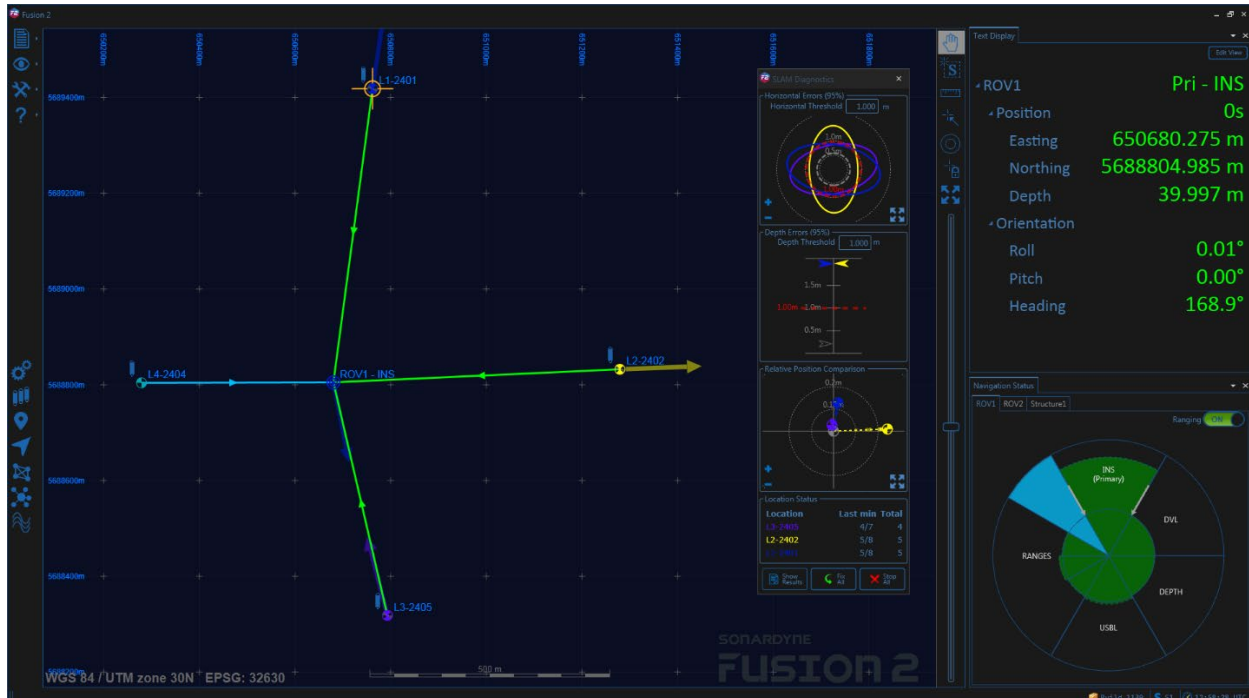
By consolidating control under one program, less equipment is required offshore, reducing costs and simplifying logistics, as well as saving valuable setup time.

For optimal performance, Fusion 2 can be used with a number of our products – including Gyro Compatt 6+, Compatt 6+, SPRINT-Nav and ROVNav 6+.

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# Specifications

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Feature	Specification
<b>Design</b>	The most powerful INS and LBL system on the market
	Seamlessly combines INS and LBL positioning techniques
	Incorporates 50 years of subsea navigation innovation and know-how
	Positioning for all phases of construction survey
	Full range of real-time array calibration options: SLAM, Baseline and Box-In
	Comprehensive EPSG geodesy database
	Calibration and positioning calculations in scale-free reference frame
<b>Performance</b>	Better than four times precision improvement over USBL with SPRINT INS
	Up to 3 cm range-aided positioning accuracy with SPRINT INS
	Up to 3 cm LBL positioning accuracy
	Simultaneous LBL tracking of ROVs and structures with heading computation at up to 1 Hz
<b>Acoustics</b>	Sonardyne Wideband 3 digital acoustics for reliable performance in all environments
	Support for multi-user Compatt 6+
	Embedded Wideband 3 sensor data retrieval from Compatt 6+ for seamless tracking and faster calibration