

# Marine Magnetics Next-Generation Synapse Magnetometer Validates Seamless Integration with EIVA's ScanFish Katria ROTV

Marine Magnetics, a leader in ultra-high-sensitivity marine magnetometry, announced the seamless integration and compatibility with EIVA's ScanFish Katria intelligent Remotely Operated Towed Vehicle (ROTV) solution. This collaboration delivers a significantly simplified and ultra-efficient tool for high-speed detection of sub-bottom magnetic anomalies.

Synapse represents continual advancements of Marine Magnetics' advanced magnetometers, built around next-generation laser-driven optically pumped magnetometer technology. Synapse continues to offer high-speed sampling up to 20 Hz, a lightweight design (2.5kg), and ultra-low power consumption. In addition to its integrated long-distance networkable telemetry, it now incorporates an additional dedicated RS232 interface, facilitating significantly easier integration into AUV and ROTV platforms.

The new sensor also adds smart array configuration and synchronization capabilities, further enhancing its performance in multi-sensor setups.

EIVA's ScanFish Katria is recognized as an intelligent wide-sweep ROTV, engineered for time-efficient surveys. It offers a versatile platform for a wide range of magnetometer survey applications. When paired with the high-sensitivity, low-power (4.5W to 7W) Synapse magnetometer, it unlocks maximum target-detection efficiency, providing a complete solution for rapid, reliable sub-bottom hazard and feature mapping.

## About Marine Magnetics

Marine Magnetics is the world's leading manufacturer of Overhauser magnetometers for marine applications. Their commitment to innovation delivers rugged, reliable, and high-performance solutions for deep-sea surveys, pipeline and cable tracking, and UXO detection.

## About EIVA

EIVA is a global leading provider of software, equipment, and integrated system solutions for the offshore and shallow water survey, construction, and inspection industries. EIVA's hardware portfolio includes the intelligent ScanFish ROTV series, enhancing efficiency across numerous maritime operations.

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