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**PRESS  
RELEASE**

**MEDIA CONTACT**

**Bopha Le Guernic**

Communication Manager

+33 (0)1 30 08 88 88

[bopha.le-guernic@exail.com](mailto:bopha.le-guernic@exail.com)

## **Exail brings military-grade inertial navigation to compact naval and autonomous platforms with Marins M1**

Saint-Germain-en-Laye, France, October 26, 2026 – Exail unveils Marins M1, a compact inertial navigation system (INS) designed to bring very high-performance, resilient navigation to a wider range of naval platforms, including RHIBs, fast interception craft, patrol boats, uncrewed surface vessels (USVs) and uncrewed underwater vehicles (UUVs). With Marins M1, Exail extends military-grade inertial navigation to platforms where size, integration and cost are key considerations.

Forces are operating a more diverse mix of major combatants, tactical craft and autonomous systems. As smaller and uncrewed platforms take on demanding missions, they need navigation that remains accurate and reliable when GNSS is degraded or unavailable. Their tighter SWaP-C (size, weight, power and cost) constraints make the integration of high-performance inertial navigation particularly demanding.

Marins M1 was developed to address these requirements. Built on Exail's sea-proven Fiber Optic Gyroscope (FOG) technology, it provides the accuracy and stability required to navigate reliably in GNSS-denied environments. It delivers accurate position, heading, roll and pitch data, with a maximum position drift of 1 nautical mile after 3 hours without any external aiding. Combining a compact architecture with a more accessible price point, Marins M1 delivers this level of inertial performance in a solution tailored to smaller platforms.

*"A RHIB or a USV operating without GNSS faces the same navigation challenge as a larger vessel, with far less room to address it," said Madeleine Laguarigue de Surveilliers, Naval Navigation Product Manager at Exail. "With Marins M1, we are making very high-performance FOG navigation accessible to these platforms in a system designed around their constraints."*

Building on the Marins range, already trusted by more than 50 navies worldwide, Marins M1 marks a new step in the evolution of Exail's military-grade navigation offering. It complements the company's existing inertial navigation solutions as naval fleets evolve toward an increasingly diverse mix of crewed and uncrewed platforms.

### **About Exail**

Exail is a leading high-tech industrial company specializing in cutting-edge robotics, maritime, navigation, aerospace and photonics technologies. With a strong entrepreneurial culture, Exail delivers unrivaled performance, reliability and safety to its civil and defense clients operating in severe environments. From the deep sea to outer space, Exail expands their capabilities with a full

range of robust in-house manufactured components, products and systems. Employing a workforce of 2200+ people worldwide, the company benefits from a global footprint and conducts its business in over 80 countries. Exail was formed by ECA Group and iXblue joining forces in 2022. It is a subsidiary of Exail Technologies, a family-owned company specialized in high-technology.  
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