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PRESS RELEASE

Safran Federal Systems selected by DARPA for Robust Quantum Sensor development

Rochester, NY, October 2nd, 2025

Safran Federal Systems has been awarded a contract from the Defense Advanced Research Projects Agency (DARPA) under the Robust Quantum Sensor (RoQS) program, a key initiative supporting the Department of Defense's drive to deliver assured Position, Navigation, and Timing (PNT) in contested and GPS-denied environments.

As part of this effort, Safran will develop quantum sensors that are inherently resistant to environmental disruptions, ensuring they can operate reliably without sacrificing performance. These sensors are expected to enable reliable navigation across multiple domains helping reduce dependence on GPS and strengthening operational readiness for U.S. and allied forces. The award covers the first phase of the program in which Safran will complete the quantum sensor development, including tests on a military helicopter, to demonstrate effectiveness in one of the most challenging environmental conditions.

"This program marks a critical step forward in delivering operational quantum sensing capabilities to the warfighter," said Dr. Robert Compton, Senior Technical Fellow. "Safran has a long legacy in inertial navigation, and RoQS represents the next evolution, which combines proven expertise with cutting-edge quantum technology to meet DoD modernization priorities."

DARPA's RoQS program emphasizes collaboration between sensor developers and platform integrators to accelerate transition from research to operational deployment. Safran's work will help shorten development timelines and deliver field-ready quantum sensors capable of meeting tomorrow's operational challenges

The Rochester, New York, team will focus on ruggedization, prototyping, and early integration with DoD platforms. Initial field demonstrations are planned during the first phase of the program.

Safran Federal Systems *is a trusted DoD mission partner and industry leader in Assured Positioning, Navigation and Timing (A-PNT), providing cross-cutting and cost-effective solutions bred through innovation. Our expertise in simulation, NAVWAR, and open systems architecture enables rapid delivery of emerging technologies to the warfighter across all domains, from the lab to the field.*

For more information:
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Press

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