

## **PRESS RELEASE**

### **France chooses Safran to design an improved version of the global navigation system for its ballistic missile submarines (SSBN)**

**Boulogne-Billancourt, January 9, 2017**

The French defense procurement agency DGA has chosen Safran Electronics & Defense to design, develop and build an improved version of its global navigation system now used on the country's Triomphant class ballistic missile nuclear submarines (SNLE).

The new version capitalizes on extensive feedback from the current laser gyro-based navigation systems. It will incorporate new technologies to deliver even higher performance than the current system, the first to eliminate the need for electrostatically suspended gyroscopes (ESG), which were traditionally used for navigation on strategic platforms.

To date, Safran has supplied inertial navigation systems for more than 500 surface ships from around the world, along with over 70 submarines, both nuclear and conventional. A number of modern front-line units are equipped with Safran's navigation systems, including the new Barracuda class nuclear attack submarines.

The European leader in navigation systems, Safran has developed proven expertise in all inertial navigation technologies (mechanical, laser, fiber-optic, vibrating and MEMS), with more than 60 years of experience in providing navigation systems for both civil and military customers operating in all environments (land, air, sea, space).

***Safran** is a leading international high-technology group with three core businesses: Aerospace (propulsion and equipment), Defence and Security. Operating worldwide, the Group has 70,000 employees and generated sales of 17.4 billion euros in 2015. Safran is listed on Euronext Paris and is part of the CAC40 index, as well as the Euro Stoxx 50 European index.*

***Safran Electronics & Defense** is a world leader in optronics, avionics, electronics and critical software for both civil and defense applications. The company's products are deployed worldwide on more than 500 ships, 7,000 armored vehicles and 10,000 aircraft.*

For more information: [www.safran-group.com](http://www.safran-group.com) and [www.safran-electronics-defense.com](http://www.safran-electronics-defense.com) /  
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