

**PRESS RELEASE**

**CIVITANAVI SYSTEMS RECEIVED EUROPEAN DEFENSE FUNDS TO  
DEMONSTRATE A QUANTUM-BASED SIMULTANEOUS INERTIAL NAVIGATOR  
AND VECTOR GRAVIMETER SYSTEM (Q-SING)**

***CIVITANAVI'S SHARE OF THE PROJECT IS OF EUR 900,000***

***With the Q-SING project the company continues to strengthen its international presence in the  
Aerospace and Defense sector***

*Pedaso (FM) - August 2<sup>nd</sup> 2022 - Civitanavi Systems S.p.A.* (EURONEXT MILAN, CNS.MI), a company active in the design, development and production of inertial navigation and stabilisation systems, announces that it has joined the European Defence Fund research team to demonstrate a Quantum Vector Inertial and Gravimetric Navigation System (**Q-SiNG**).

The European Defence Fund (EDF) has selected 61 research and development projects in the Aerospace and Defence sector which will be benefitting from EUR 1.2 billion of financial support provided by the European Union. The grant is aimed at all high-level projects in the defence sector, such as the design of future generation combat aircraft, tanks and ships, as well as critical defence technologies such as military cloud, artificial intelligence, semiconductors, space, cyber or medical countermeasures. The programme promotes the most disruptive technologies, in particular quantum technologies and new materials, and harnesses the innovative capacity of SMEs and start-ups with high growth potential.

Civitanavi Systems is part of the project, **Q-SiNG, “Quantum-based Simultaneous inertial Navigator and vector Gravimeter”**, which aims to demonstrate a high-precision free-inertial navigation system capable of operating in GNSS-denied areas on all types of military vehicles, from submarines to aircraft.

Financing for the project will last three years for an overall value of EUR 3.9 million, of which EUR 893,000 will go to Civitanavi Systems.

*"We are very proud to have been selected by the European Commission to participate in the European Defence Fund research call, a choice that confirms the value of our products and technologies", commented **Andrea Pizzarulli, CEO of Civitanavi Systems. Roberto Senatore CTO of Civitanavi Systems also commented, "The use of FOG (Fiber Optic Gyroscope) technology hybridised with quantum inertial sensors will enable extremely high dynamic performance, guaranteeing a key capability in autonomous, accurate and safe navigation in all applications where GPS/GNSS is not available, either due to environmental limitations or due to interference or malicious intentional attacks in hostile military scenarios. The expected technological developments add an attractive and competitive value of the Q-SiNG solution in terms of footprint, weight and cost when compared to more traditional alternative technologies, thus giving access to a product that can be used in medium and high-cost vehicles, in Defence markets, but also in aviation and commercial marine"***.

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In addition to Civitanavi Systems, three companies and one research centre from Italy (Geomatics Research & Development Srl), Spain (Geonumerics SL and Iqua Robotics SL) and France (Centre National De La Recherche Scientifique CNRS) are also participating in the project.

Taking part in the European Defence Fund programme will further accelerate the development path of Civitanavi Systems, which had already signed a contract, known as Nicenav, with the European Union in 2016 for the **Sme innovation H2020 programme**, to build the first European Itar-free system.

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The press release is available in the Investors section of the Company website, [civitanavi.com/investors/comunicati-stampa/](http://civitanavi.com/investors/comunicati-stampa/)

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***Civitanavi Systems**, born as a start-up in 2012, is one of the main players in the design, development and production of inertial navigation and stabilization systems used in the aerospace and defense sectors in space, terrestrial, aeronautical, naval and industrial, mining and oil & gas. The Company vertically provides high accuracy systems, designed and manufactured with methods, techniques and algorithms based on FOG (Fiber Optic Gyroscope) and MEMS (Micro Electro Mechanical Systems) technology, also integrated with devices for satellite navigation. Today it carries out its activities in Pedaso (FM) and in two other locations, in Ardea (RM) and in Casoria (NA), counting on a staff of 131 employees operating throughout Italy.*

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