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Societa' : CIVITANAVI SYSTEMS

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Oggetto : Civitanavi Systems participates in the
"Aurora" project to create the Italian
ecosystem for advanced air mobility (AAM)

Testo del comunicato

Vedi allegato.

PRESS RELEASE

CIVITANAVI SYSTEMS PARTICIPATES IN THE 'AURORA' PROJECT TO CREATE THE ITALIAN ECOSYSTEM FOR ADVANCED AIR MOBILITY (AAM)

The company will be a subcontractor to the project, which will contribute to increase research and supervision in the field of Urban Air Mobility

Pedaso (FM), March 27th 2023 - Civitanavi Systems S.p.A. (EURONEXT MILAN, CNS), a company active in the design, development and production of inertial navigation and stabilisation systems, announces that the PDR meeting (Preliminary Design Review) of the "AURORA" project, part of the "Creation of an Italian ecosystem for AAM" framework, organised and promoted by ENAC, the Italian Civil Aviation Authority, was held yesterday to provide an effective and reliable Positioning, Navigation and Timing (PNT) service for AAM (Advanced Air Mobility).

The AURORA project analyses the specific needs of each Italian territory, as well as the opportunities offered by PNT technologies integrated between space and ground-based networks and systems, with the objectives of defining PNT operational and performance requirements for the Urban Air Mobility industry, designing a distributed national research, development and certification facility for UAM, called 'UAM National Test Facility', and studying new emerging technologies for UAM applications.

As part of the project, Civitanavi Systems will contribute to the analysis of technology enablers for future Advanced Air Mobility (AAM) operations, including services for urban, suburban and inter-city transport for both people and goods by means of vertical take-off and landing aircraft. In particular, enablers must guarantee the availability of PNT measurement in a more robust and resilient manner than current GNSS-based solutions. Civitanavi, in this direction, is engaged in the development of a hybrid GNSS/inertial system for the validation of algorithms and technologies that, within the scope of the project, enhance the accuracy, reliability, continuity and safety of navigation in AAM environments.

The management of the AURORA project is supervised by ENAC, the Italian Civil Aviation Authority, with the technical coordination of Telespazio, and the contribution of CIRA - Italian Aerospace Research Centre, DTA - Aerospace Technological District of the Region of Puglia, and the companies, together with Civitanavi Systems: D-Flight (ENAV group), Exprivia, Planetek Italia.

The project, which started on January 31st 2023, will last 18 months.

Andrea Pizzarulli, CEO of Civitanavi Systems, said: "I am more than honoured by Civitanavi's participation in a project as innovative as AURORA. Innovation is not only the driving force of the aerospace industry, it is a core value for our company, a key component of our products and the technological capabilities of the people within Civitanavi. During these 18 months, we will do further research on emerging PNT technologies for UAM applications, an area where we intend to identify new navigation and system solutions to become a market leader."

Civitanavi Systems S.p.A.

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Roberto Senatore, CTO of Civitanavi Systems, added, “A key factor for the operability of aircraft in AAM-related areas is the presence of robust positioning, navigation and timing systems that are resilient to the limitations of stand-alone GNSS technology. Inertial technologies, central to Civitanavi's know-how, are part of the assured PNT solutions and essential to ensure navigation accuracy and safety.”

The press release is available in the Investors section of the Company website <https://www.civitanavi.com/investors/comunicati-stampa/>

***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 153 employees operating throughout Italy.*

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