
Frequentis leads European SESAR project to advance next-generation air traffic control systems

- **Frequentis leads major international consortium to develop next-generation ATS (Air Traffic Services) platform in the NATICA project**
- **Project focuses on future ATS architecture, seamless trajectory-sharing services, and AI-supported controller tools**
- **NATICA brings together 14 partners from across the ATM ecosystem**

Europe's air traffic system needs a more connected, resilient way of working so controllers can manage growing traffic safely and efficiently. Frequentis is leading the newly launched SESAR Joint Undertaking project, NATICA, to advance the future of air traffic management (ATM) through next-generation air traffic services (ATS). Launched in September 2026, the project will run for 36 months.

NATICA stands for Next-Generation ATS Platform for Innovative, Climate-Conscious, and Secure Air Traffic Management and focuses on implementing SESAR's new Service Delivery Model, decoupling service provision from local infrastructure to increase interoperability and support the next generation of air traffic control platforms. NATICA will contribute to more efficient flight operations while supporting secure data exchange and resilient service provision across organisational and national boundaries.

NATICA will develop a future ATS platform for en-route and Terminal Maneuvering Area operations, enabling more seamless collaboration across control centres and national borders. By using open and standardised interfaces, the project will support highly automated, trajectory-based operations (TBO), improve scalability and resilience, and contribute to reducing the overall climate impact of aviation.

NATICA focuses on three core innovation areas:

- An ATS platform based on a service-oriented, cloud-native architecture
- Seamless coordination and trajectory-sharing services supporting TBO as well as interoperable arrival management services across organisational boundaries
- AI-supported controller tools designed to assist, not replace, air traffic controllers by enhancing human-machine collaboration and keeping humans firmly in the decision-making loop

"With NATICA, we are taking an important step towards a more open, scalable and resilient ATM ecosystem," said Michael Holzbauer, Director European Affairs ATM at Frequentis. "By coordinating this international consortium, Frequentis is bringing together the expertise required to make the new

Service Delivery Model tangible for operational environments. The future of ATM depends on secure, interoperable, data-driven services and meaningful automation to support controllers in their daily work. NATICA allows us to validate these capabilities with leading partners across the aviation ecosystem.”

Strong consortium across the ATM ecosystem

The NATICA consortium brings together a broad group of aviation stakeholders, including air navigation service providers, airlines, research institutions and technology companies. Frequentis is leading key partners including BRIMATECH, Deutsche Lufthansa (DLH), DLR, DFS, GE Aerospace, Honeywell International, Leidos, NATS, NSL, NAV CANADA, Skyguide, NLR and LGS. Together, the partners will develop and validate core capabilities for the future ATS platform in line with the SESAR Master Plan. The project aims to validate its core technologies up to Technology Readiness Level 6 (TRL6).

More information about the NATICA project is available on the [SESAR Joint Undertaking website](#).

We will be hosting a webinar exploring the project further on 29 October, [sign up here](#):

NOTE: The project has received funding from the SESAR 3 Joint Undertaking under the European Union's Horizon Europe research and innovation programme under grant agreement No. 101269286

About FREQUENTIS

Frequentis stands for a safer world. Our solutions are used in our customers' command and control centres to help them make the world safer.

Frequentis is a world leader in high-tech solutions for Air Traffic Management, supporting both civil and military air traffic control organisations, as well as Public Safety and Transport, where police, emergency rescue services, fire brigades, railways, coastguards, and port authorities rely on our extensive portfolio.

The listed family business based in Vienna, Austria, drives innovative and sustainable solutions for safety and security in everyday life and in the safety-critical sector. Its air traffic optimisation solutions for air traffic control centres are contributing to reducing emissions.

As a global player with about 2,900 employees (full-time equivalents/FTE), Frequentis has a worldwide network of companies in over 50 countries. Its products, services, and solutions are used in around 150 countries. Shares in Frequentis are traded on the Vienna and Frankfurt stock exchanges; ISIN: ATFREQUENT09, WKN: A2PHG5. In 2025, revenues were EUR 580 million and EBIT was EUR 47 million.

For more information, please visit www.frequentis.com

Jennifer McLellan, Global Media Relations Manager
jennifer.mclellan@frequentis.com, +44 2030 050 188

Barbara Fuerchtegott, Head of Communications/Company Spokesperson
barbara.fuerchtegott@frequentis.com, +43 1 81150-4631

Stefan Marin, Head of Investor Relations
stefan.marin@frequentis.com, +43 1 81150-1074

About the SESAR 3 Joint Undertaking

The SESAR 3 Joint Undertaking is an institutionalised European private-public partnership set up to accelerate through research and innovation the delivery of the Digital European Sky. The partnership is developing cutting-edge technological solutions to manage conventional aircraft, drones, air taxis and vehicles flying at higher altitudes. The SESAR 3 JU partnership brings together the EU, Eurocontrol, and more than 50 organisations covering the entire aviation value chain, from airports, airspace users of all categories, air navigation service providers, drone operators and service providers, the manufacturing industry and scientific community. The partnership also works closely with the regulatory and standardisation bodies, notably EASA and Eurocae, as well as key stakeholders, such as professional staff organisations, the space and military communities and global partners. www.sesarju.eu

NATICA



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