



Lithuania's journey to a fully digital airspace

Supporting growth and transformation

Oro Navigacija, Lithuania's air navigation service provider (ANSP), is setting new standards in digitalisation and drone adoption. Recognising the rapid growth of unmanned aerial systems, the organisation aimed to build a seamless platform where diverse stakeholders, from emergency services and border control to commercial operators, could collaborate efficiently. The goal is to become a one-stop shop for safe, scalable drone integration.

Through its partnership with Frequentis, Oro Navigacija is transforming airspace management. Together they are deploying innovative solutions for Accelerated Drone Management and Aeronautical Information Management (AIM), ensuring faster approvals, improved safety, and greater operational

awareness. By digitalising aeronautical data Oro Navigacija is creating the foundation for Trajectory-Based Operations (TBO). These initiatives position the organisation as a forerunner in the Baltics and a model for Europe, demonstrating how innovation and collaboration can redefine air traffic management.

“With Frequentis, we are developing a one-stop shop UTM system. Everything can be done in one place, creating a very smooth and fast experience for all users.”

Robert Strukel, U-Space Integration Manager, Oro Navigacija

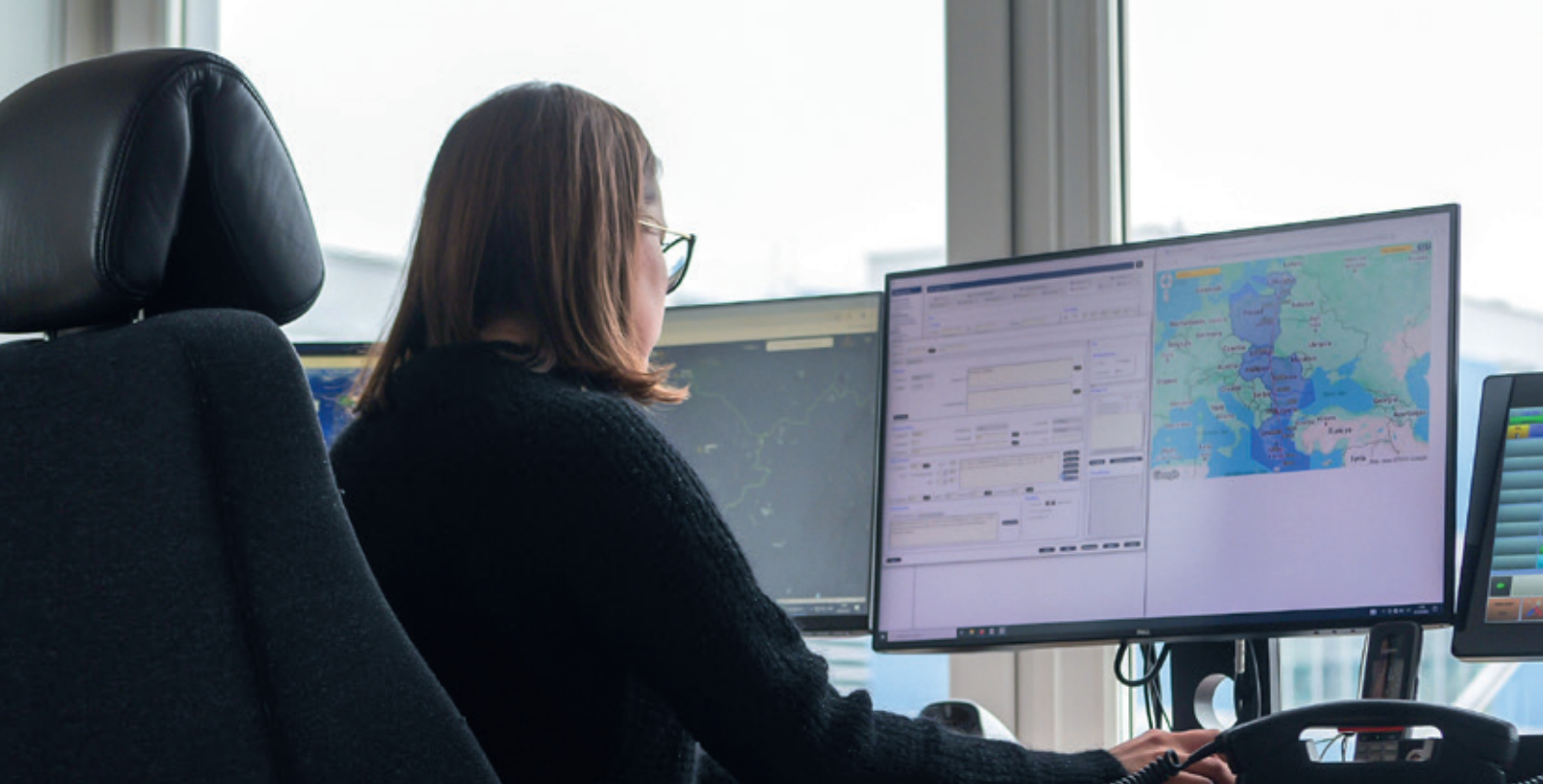
Client profile

Oro Navigacija, founded in 1995, manages Lithuania's civil and military air traffic. As the national ANSP, it is driving innovation in unmanned traffic management and information systems, ensuring safe and efficient skies for more than 300,000 flights annually.

Business situation

Growing demand for drone services and regulatory change required a unified solution for stakeholders. Oro Navigacija sought to modernise airspace management, accelerate approvals, and lead the Baltics in digitalisation, while aligning with European-wide transformation goals.





Solution

Oro Navigacija introduced a next-generation UTM platform and a modern digital AIM system, creating a single ecosystem. This accelerates drone adoption, streamlines regulatory processes, and ensures that aeronautical data is fully digitalised to support future TBO.



Operational awareness:
Provides real-time drone tracking, instant alerts, and seamless coordination between multiple stakeholders nationwide.



Efficiency: Streamlines approvals, reducing flight plan processing from months to weeks, enabling faster adoption of drone operations.



Digital foundation:
Automates aeronautical data exchange, ensuring accuracy, compliance, and the baseline required for TBO.

“We decided to be first movers, not followers. Together with Frequentis, we will continue to develop and expand the system.”

Saulius Batavičius, CEO, Oro Navigacija



Leading the Baltics with unified, digital airspace management

Oro Navigacija is advancing digital transformation in air traffic management through two strategic initiatives developed in close partnership with Frequentis' Accelerated Drone Management and AIM, the foundation for the implementation of TBO.

These programmes form part of a long-term vision to reshape how airspace is managed. By combining Frequentis' global expertise in digital aviation with Oro Navigacija's leadership in the Baltics, the organisations are creating a safer, more connected environment that can support the rapid growth of both traditional aviation and emerging drone operations.

The UTM solution acts as a unified platform for all stakeholders. It merges civil and military needs in one ecosystem, supporting authorities such as police, border control, and emergency services. Critical processes, from flight planning and approvals to risk assessments, are streamlined with automation and digital tools. For Lithuania, this creates a trusted environment where government agencies and private operators can work side by side, confident that decisions are based on transparent data and consistent rules. The result is faster adoption of drone services that bring real public value, from medical transport to infrastructure inspections.

Oro Navigacija is also modernising information management with the CADAS-Suite. This system

wide information management (SWIM) ready solution automates aeronautical data exchange, ensuring compliance with AIXM 5.1 and CP1. Moving to this fully digital environment removes the delays of manual processes, strengthens interoperability with neighbouring countries, and gives decision-makers the most up-to-date information when managing flights. These improvements ensure that Lithuania can play an active role in Europe's shift toward data-driven operations and can adapt smoothly as regional standards evolve.

Together, these initiatives highlight Lithuania's commitment to building a fully digital airspace. Airlines, drone operators, and regulators benefit from reliable, standardised data that enables more efficient operations and easier cross-border coordination. By aligning with European U-space and Single European Sky objectives, Lithuania is demonstrating how national initiatives can directly contribute to regional integration. The initiatives reflect Lithuania's determination to be a leader in Europe, ensuring that its skies are not only safe and efficient today but also prepared for the demands of tomorrow.

Further information



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