

Frequentis OneATM
DIGITAL.
SUSTAINABLE.
SAFE.



FREQUENTIS
FOR A SAFER WORLD

ABOUT FREQUENTIS OneATM

Frequentis was established to develop technologies for a safer world. This philosophy is still valid, but today our ambitions reach even further. With Frequentis OneATM we offer a holistic approach to address ATM needs today and in the future, leveraging the power of integration by uniting market-leading technologies into one open ATM ecosystem.

DIGITAL.
SUSTAINABLE.
SAFE.

Air navigation service providers seek to introduce the latest technologies in order to increase their overall performance and harmonise operations across the multiple centres they operate. The latest technologies also make it easier to adopt new organisational set-ups when and where required. This is where Frequentis leads the way, by continuously innovating, by integrating multiple solutions to simplify the way operations are run, and by achieving the highest performance in order to guarantee safety and continuity.

FREQUENTIS OneATM FOUNDATIONS

Simplicity, openness and performance are the foundations on which OneATM is built.

ONE AERONAUTICAL SUITE

Frequentis offers a full set of market-leading products to cover all ATM operational needs today and in the future.

PROVEN AND TRUSTED

More than 75 years of experience in safety-critical environments, with ten thousand positions installed around the globe, make Frequentis a proven and trusted partner for providing safety-relevant systems.

INNOVATING THE SAFETY CRITICAL ENVIRONMENT

Innovation is the engine that drives Frequentis. Finding the right balance between the power of innovation and the need to guarantee a safety-critical environment.



OPEN FOR INTEGRATION

Technologies can operate as stand-alone or united in a single best-in-class system, providing strong operational advantages and productivity gains while reducing operational risks.

DRIVING SIMPLICITY & PERFORMANCE

Simplicity and performance are part of our DNA. We strongly focus on the integration of new digital technologies to bring operational performance to the next level.

ASSURING OPERATIONAL RESILIENCE

Cybersecurity and system resiliency are critical requirements in guaranteeing airspace safety. Frequentis OneATM ensures the best operational resilience throughout the entire lifecycle.

With OneATM, Frequentis addresses the key airspace challenges with a single objective in mind: to break down both technical and organisational silos and move to collaborative operations. Doing so will drive strong improvements in all areas of airspace operations and is the basis for a safer airspace.



FREQUENTIS OneATM

FOCUS AREAS

Frequentis OneATM utilises integration capabilities to transform airspace management in multiple dimensions. The visionary aspects and advantages of OneATM showcase our direction and the potential of our technology. Exploring the focus areas of Frequentis OneATM will reveal the impressive benefits of our integrative approach.



Accelerated drone management

Safe and compliant orchestration of new airspace users: Fair access to all users is essential in a unified airspace. Frequentis offers SWIM-compliant UTM services based on an ATM-grade back-end.



Advanced automated tower

Intelligent and connected: Seamlessly integrated flight information, surveillance and communications provide excellent situational awareness and enable automated decision support for air traffic controllers.



Remote digital tower

Rethinking airport operations: New concepts for the management of digital towers that allow for a smooth evolution to new operational models and the seamless integration of new technologies.



ATM-grade networks

Leading the way towards the digital sky: Next-generation communication technologies for both air-ground and ground-ground communication with ATM-grade reliability.



Actionable information management

Beyond digital transformation: Harmonised systems enable digitalisation whereby automation systems can safely identify, interpret, and exchange data then bring it to the attention of the ATCO at the right place and time.



Unified aeronautical communication

Beyond voice: Seamless and harmonised communications between controllers and pilots, regardless of technological boundaries. Integrating verbal and non-verbal communication in one unified solution.



Harmonised control centres

The power of versatility and integration: Fully expandable and modular architecture enabling the continuous addition of functionality through easy integration. Air traffic controllers can access the information and controls required for enhanced situational awareness and faster reaction times.



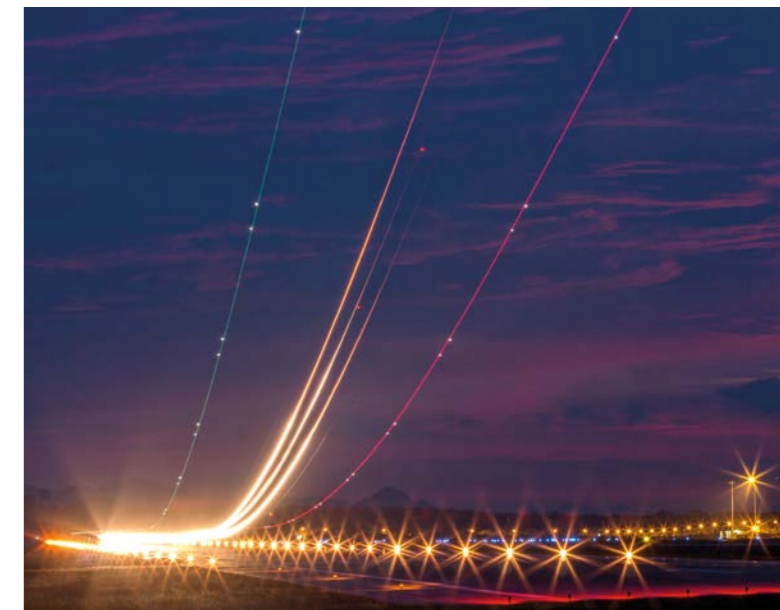
Synchronised traffic operations

Predictability beyond data – performance driven optimisation: Unique toolset optimising the entire flight operation, providing stakeholders with a combined 4D view of their operations, ensuring continuous high performance.



Open digital platform

Transition towards service-based ATM: The foundation of the OneATM ecosystem is the MosaiX platform, which hosts the applications and enables their smooth and easy integration. This paves the way for new operational concepts and environments.





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