Company Profile

FOR SAFE FLIGHTS ALL OVER THE WORLD
SAFE FLIGHT WITH FREQUENTIS COMSOFT

Frequentis Comsoft ensures safety and efficiency in Air Traffic Management (ATM). Our highly innovative solutions guide aircraft through every phase of flight – contributing to safe flights all over the world.

Located in Karlsruhe, Germany, the company forms part of the Frequentis Group, a global leader in the provision of communication and information solutions to safety-critical industries.

ATM services depend on accurate surveillance data to give Air Traffic Controllers (ATCOs) full situational awareness. As the centre of competence for surveillance technology within the Frequentis Group, Frequentis Comsoft offers a comprehensive portfolio of solutions covering the whole surveillance data chain.

These solutions help organisations safely achieve higher density in air traffic, thereby cutting costs and enhancing passenger convenience.

Global connectivity is also an enabler for safe and efficient ATM. Two key concepts are Aeronautical Message Handling System (AMHS) and System Wide Information Management (SWIM). Our market-leading AMHS solution has a unique ability to provide fully integrated and uniform message handling facilities and is the ideal platform for a SWIM/AMHS gateway.

PORTFOLIO

Message Handling

Already in the pre-flight phase the pilot submits all relevant information in our flight plan entry terminal. This information is then distributed to all involved Air Navigation Service Providers (ANSPs) through our AMHS solution.

Surveillance

ATM needs reliable and accurate surveillance data to provide information about the precise location of the aircraft. We offer a wide range of products for acquiring, distributing, processing and displaying surveillance data. For higher update rates, accuracy and redundancy ADS-B, Multilateration (MLAT) and Wide Area Multilateration (WAM) provide a powerful complement to traditional radars.

ATM Modules

The final link in the surveillance data chain is the presentation of accurate information to ATCOs, giving them situational awareness of both air and ground traffic. Considering both civil and military applications our display solutions provide open, flexible software modules like SafetyNets. Frequentis Comsoft also offers devices to replay, record and evaluate surveillance data.
OUR CUSTOMERS

Working with customers in over 80 countries worldwide from every ICAO region, Frequentis Comsoft provides tailormade solutions for individual national or multinational aviation organisations, including civil and military ANSPs, international bodies, airports and airlines.

Over the course of the last 30 years we have delivered hundreds of major solutions for seamless air/ground awareness for ATCOs worldwide. These include more than 100 systems in multinational surveillance data networks, large national control and monitoring networks, international AMHS switches for over 60 countries, more than 300 ADS-B sensors, often located in areas experiencing extreme weather conditions, and more than 100 display solutions.

AT A GLANCE

Covering the whole **surveillance data chain** – from sources to display

**#1** AMHS
Market leading solution

**Experts**
Located in a high-tech region of Germany

**100+** Systems in surveillance distribution networks worldwide

**Future**
Our solutions are ready for the future demands of ATM

**ADS-B/MLAT**
Advanced surveillance for one of the largest airspaces in the world

**100+** Controller working positions equipped with our solution

**80%** Our systems are involved in most international AMHS links

**120+** Customers worldwide

**AT A GLANCE**

54 customers in 33 countries

38 customers in 28 countries

12 customers in 8 countries

12 customers in 11 countries

5 customers in 4 countries
READY FOR THE FUTURE OF ATM

Frequentis Comsoft provides integrated and scalable solutions, ready for the future demands of ATM, addressing the predominant industry challenges of capacity and UTM/ATM integration.

Our message handling solution conveys traditional and upcoming message formats over shared IP networks, paving the way towards SWIM, which promotes the interoperability and standardisation of ATM information throughout its lifecycle.

Frequentis Comsoft’s long-standing experience in the surveillance domain enables us to develop pioneering solutions that form part of future-oriented technologies like remote virtual towers and the modern surveillance techniques like ADS-B and MLAT, utilised in our solutions, are optimally suited for the detection and separation of unmanned aerial vehicles.

Our air situation display can be enhanced with drone sensor data, to provide situational awareness and SafetyNets functions. Considering both civil and military requirements, our ATM modules integrate perfectly into existing infrastructures and provide the user interface for future ATM automation systems.