Frequentis Defence

SECURE EVERY MISSION.

Portfolio overview

frequentis.com/defence

FREQUENTIS
FOR A SAFER WORLD

For over 75 years, Frequentis has been a trusted global provider of communication and information systems, serving military and civil organisations. Headquartered in Vienna (Austria), the company also operates decentralised defence hubs in Maryland (USA), Melbourne (Australia), Slovakia and Germany. These local offices, with security clearances ensuring ITAR compliance, enable access to large U.S. defence and FMS programmes and to various NATO initiatives. Notable clients include the U.S. Air Force, U.S. Navy, U.S. Army, German Armed Forces, UK Ministry of Defence, and Royal Australian Air Force.

What we stand for

We provide mission-ready, innovative technology that goes beyond products to reinforce tactical superiority, guarantee mission success, and ensure the security of people. Our scalable, reliable, and integrated solutions guarantee your armed forces will remain prepared, protected, informed, and in command across all domains: air, sea, land, space, and cyber.

1. Operational excellence to ensure mission success

Enhance your military's capability with highly secure communication, information, and air defence networks solutions, to command, control, and connect armed forces and collaborate within military alliances.

2. Future-ready solutions

Frequentis mission-critical solutions enhance information accuracy and reliability, enabling intelligent decision-making through advanced support systems.
We facilitate rapid and precise responses in critical situations, empowering decision-makers to focus on their core mission while ensuring the protection of people.

3. Innovation is in our DNA

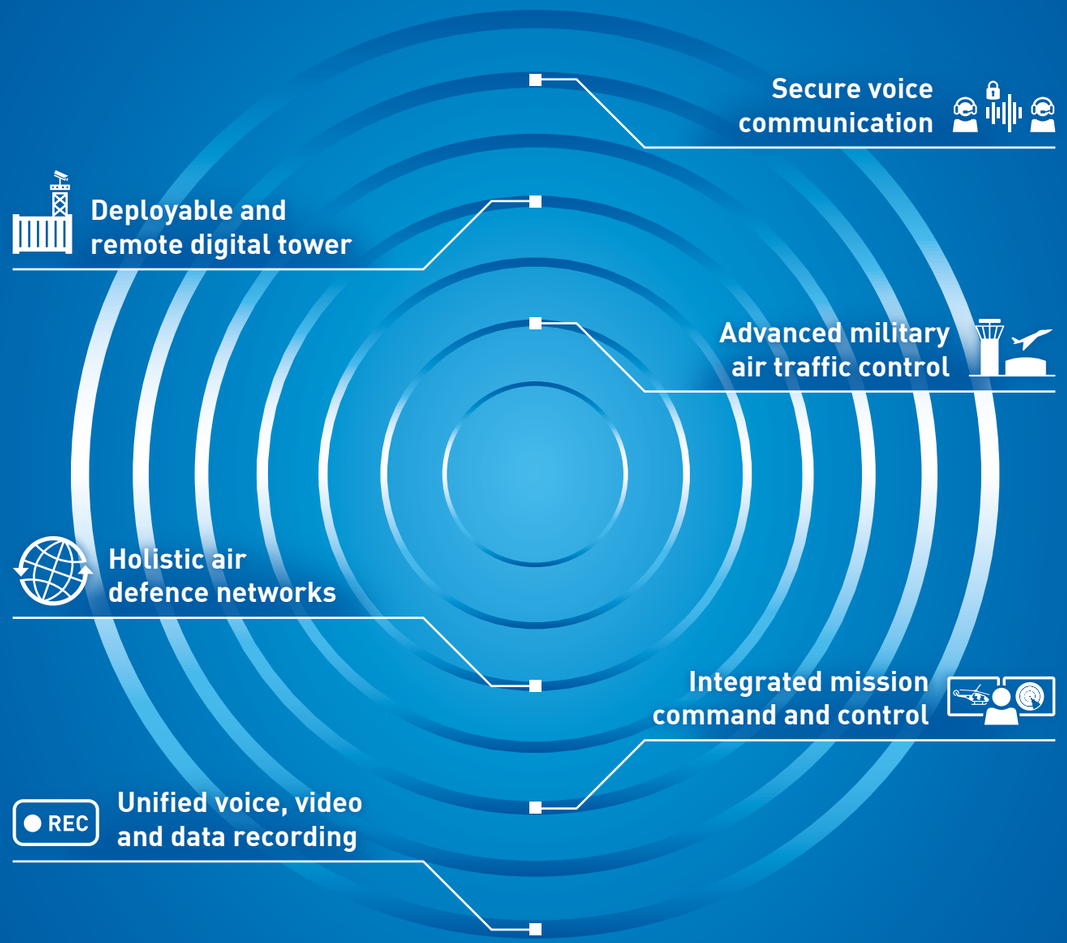
Frequentis pioneers advanced technologies to deliver cutting-edge capabilities, ensuring mission success and empowering military operations to protect, innovate, and advance.

4. Global expertise with proven success

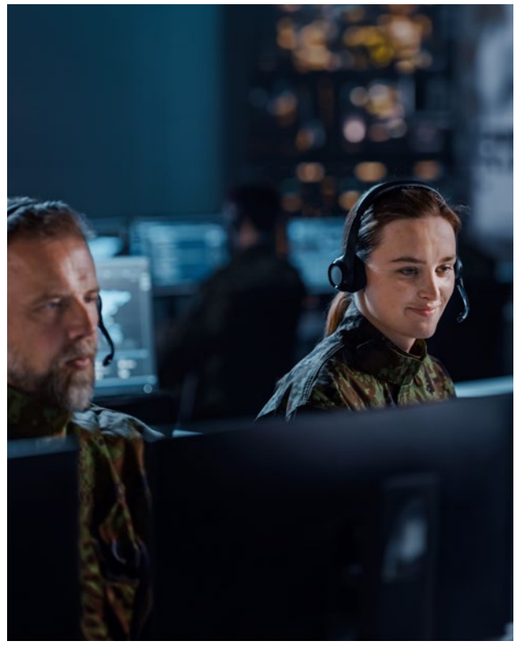
Governments, armed forces, and multi-national organisations in over 50 countries trust Frequentis mission-critical solutions. Our long-term customers and partners trust us to support them in staying ahead of emerging threats.

Focus areas

Armed forces, governments, and multinational organisations rely on Frequentis to deliver secure, resilient, and integrated communication and information systems. Our cutting-edge technologies ensure operational superiority and seamless operations across all domains, empowering operators from command and control centres to maintain their tactical edge.



Ensuring operational superiority



Secure voice communication

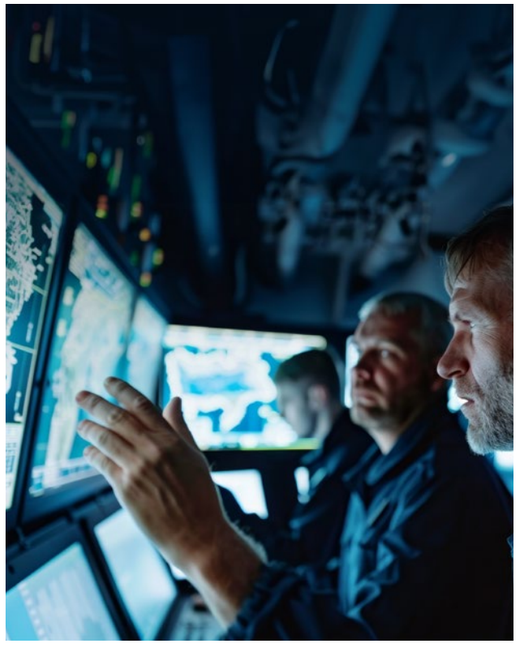
In mission-critical communications, secure voice and data exchange are essential. The military requires reliable, field-proven technology with 24/7 availability that supports multiple security domains – during standard operations and high-stake missions. These solutions must be inter-operable with existing IT infrastructure and legacy systems while complying with the latest safety and security standards.

Our voice communication systems provide secure, rapid and interoperable communication – whether fixed, deployable, mobile, manned, or unmanned. The advanced gateway for IP-based military com-munications seamlessly integrates and converts protocols across all channels, ensuring secure and reliable operations.

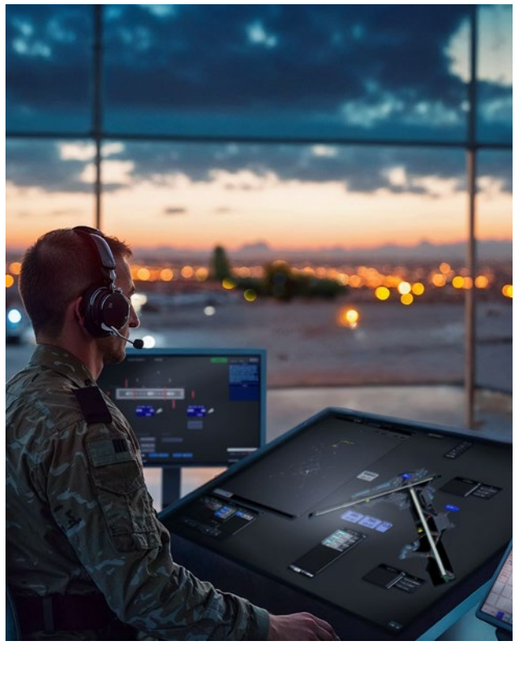
Integrated mission command and control

Search and Rescue operations require continuous situational awareness to save lives. These opera-tions demand coordinated efforts to ensure quick decision-making, resource alerting and dispatching, and case resolution.

Our integrated Command and Control (C2) solution offers a Common Operational Picture (COP) employ-ing Geographic Information System (GIS) to display all relevant data. C2 features form-based case management tools, a workflow engine enabling multi-user collaboration and decision-making, automatic legal recording, and integration with the in-house voice communication system.



Digitising military operations



Advanced military air traffic control

As military mission demands increase, air navigation service providers worldwide face the challenge of delivering safe, reliable, and efficient air traffic control (ATC) services while managing a mix of legacy and modern technologies.

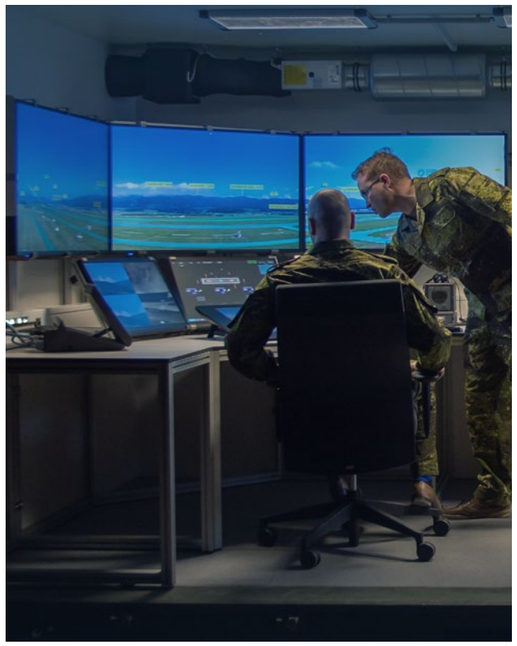
Our advanced digital technologies enhance the capabilities of human controllers, enabling them to safely manage more air traffic movements and improve operational efficiency. Our tower automation solutions integrate essential ATC functions – such as weather, flight data processing, automatic terminal information, service broadcasting, airbase lighting, and surveillance – while reducing costs.

Deployable and remote digital tower

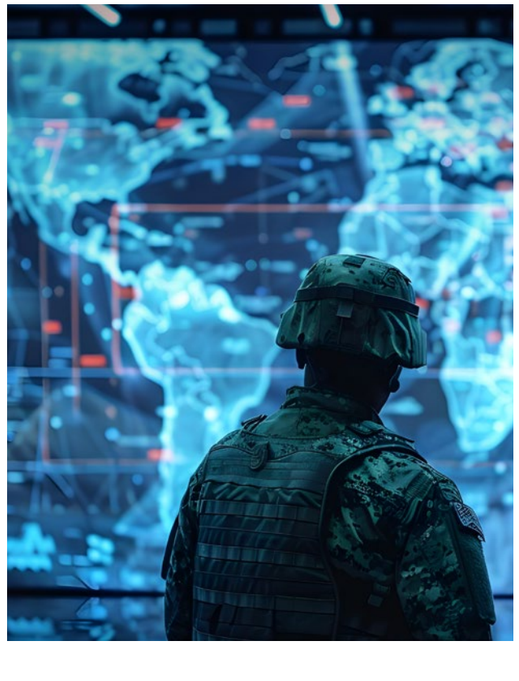
To ensure secure combat operations, deployable digital towers prioritise the safety, security, quality, and comfort of operators without compromise.

Fixed (remote) digital towers improve efficiency for smaller airbases, offer cost-effective contingency towers, and enhance situational awareness, flight safety and training.

Our tower solutions lead the way in introducing remote digital towers (RDT) and enabling air traffic control (ATC) services from various geographic locations. By leveraging multiple sensors, our solutions provide controllers with the advanced situational awareness required for safe operations.



Innovating technology



Holistic air defence networks

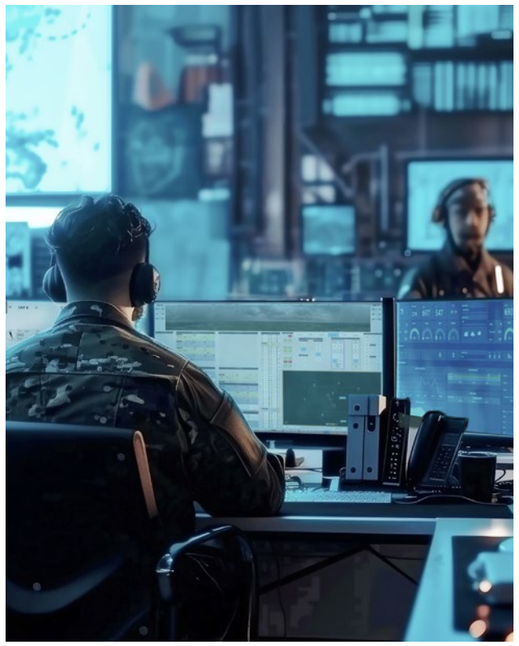
Access to sensor data and communication is critical for success in combat environments. The battlefield poses challenges like information overload, non-integrated data, rapidly changing circumstances, and uncertainty from missing information. Overcoming these challenges is a key objective for defence organisations.

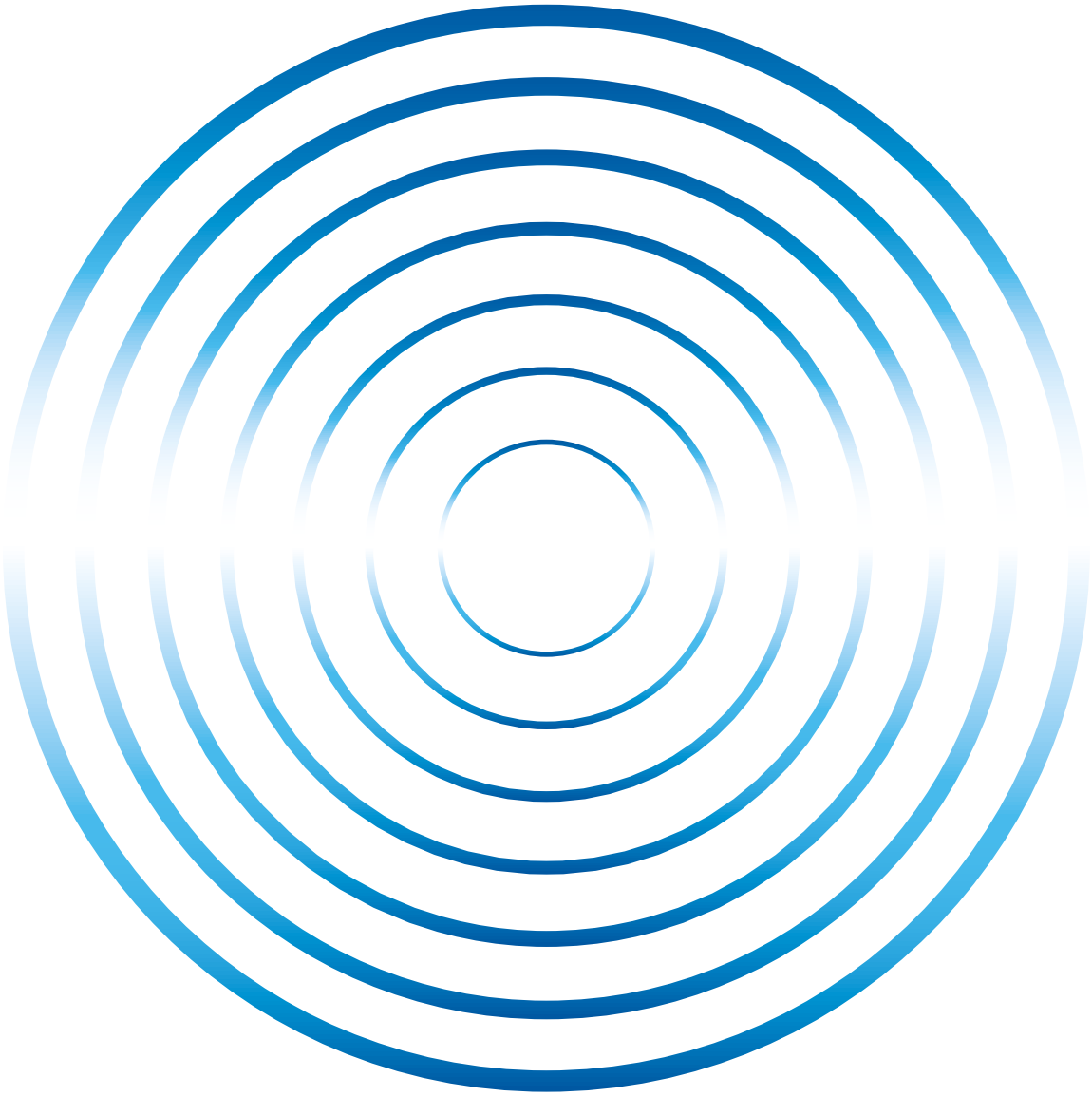
Our network concept goes beyond formal military air traffic management and command centres, enabling secure tactical data exchange across operators and diverse military units. Network-enabled capabilities are essential for modern military operations, supporting coordinated decision-making based on fast, reliable information and communication systems.

Unified voice, video and data recording

Defence organisations rely on secure, detailed post-mission documentation for analysis, decision-making, and improving future operations. Ensuring complete data collection, security and accuracy are top priorities.

Our intuitive and reliable solutions collect data from multiple sources, enabling accurate and efficient report creation with restricted access for authorised personnel. Designed to meet the evolving demands of the defence industry, this advanced recording solution securely captures essential data and confidential communications. It features a user-friendly interface for seamless playback and fully integrates with Frequentis systems, ensuring compatibility with both current and emerging technologies.





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