
Simplifying tower complexity: FREQUENTIS launches TowerX for safer, smarter, and integrated operations

- **Next-generation tower automation product, combining four Frequentis modules into a single, integrated system**
- **Designed to streamline operations, enhance safety, and boost operational and system performance**
- **Data-centre ready and backed by robust safety and security architectures**
- **Scalable deployment for towers of all sizes**

Air traffic operations are evolving rapidly, driven by tighter regulations, and growing cyber security requirements, as well as the need for more frequent system updates, yet many towers remain fragmented, increasing operational and technical complexity.

TowerX revolutionises tower operations through a unified, intelligent, and modular platform that empowers controllers while enhancing safety, efficiency, and situational awareness, even under severe weather conditions or in high-traffic situations.

“TowerX is more than a product, it’s our strategic move to deliver future-ready, integrated innovation that adapts to every environment,” says Reinhard Grimm, Frequentis Executive Vice President ATM. “It reduces integration overheads, and brings operational and technical teams closer together through harmonisation. TowerX is already being implemented in key projects in Norway and Australia, proving its capability.”

Integrated, adaptable, compliant

Central to TowerX is the integrated Controller Working Position (iCWP), which delivers a user-friendly human-machine interface (HMI) for routing, guidance, surveillance, and flight data. Its adaptable design ensures seamless integration across diverse operational needs, controller workflows, and deployment models for digital tower environments.

Unified system management and scalability

Through integration with MosaiX, Frequentis’ open digital platform, TowerX benefits from unified system management and orchestration. This allows service deployment, health monitoring, and lifecycle control across all modules from a single HMI, enabling cost-efficient operations and simplified technical supervision in operation.

TowerX is designed to scale – from small regional towers to complex multi-runway airports and contingency environments, as well as from conventional to digital towers. With a harmonised architecture and versatile configuration options, TowerX supports incremental growth, multi-site deployments, and seamless integration with legacy or third-party systems. It's the platform of choice for future-proof tower operations.

Built on a modern, service-oriented architecture, TowerX combines four proven Frequentis products – smartSTRIPS, smartTOOLS, smartVISION, and TowerPad – into a single integrated solution. Each of these legacy products now operates as a specialised module, enabling a harmonised user experience and a shared product lifecycle.

Learn more in our webinar on 27 November 2025

TowerX was previewed to selected customers at the Tower User Group, in Vienna in September 2025. To learn more about TowerX, [join our eXplore webinar on 27 November](#).

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 more than 2,500 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 2024, revenues were EUR 480.3 million and EBIT was EUR 32.1 million.

For more information, please visit www.frequentis.com

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