SureVoice Series

Voice Communication System



- Secure
- Solid
- Simple

JOTRON
Performance for Life

SureVoice Series

Secure. Solid. Simple.

Air traffic controllers make critical decisions every day. Their communication system must be dependable, intuitive and ready when it is needed most.

SureVoice is Jotron's next-generation Voice Communication System (VCS), developed to support secure and efficient operations at airports, area control centers, remote towers and other mission-critical environments. By combining a resilient architecture with a user-focused design philosophy, SureVoice helps controllers stay focused on traffic rather than technology.

Built on decades of operational experience and close cooperation with customers, SureVoice delivers a communication platform that is easy to use, easy to manage and ready to evolve with future operational requirements.

Designed for secure operations

Safety starts with communication. SureVoice is designed to provide clear, reliable access to radios, telephony systems and operational services whenever they are needed.

Redundant network connections, flexible deployment options and support for modern industry standards help ensure continuous operation, even in demanding environments.

Whether deployed as a primary system, backup solution or last-resort communication platform, SureVoice is built to support uninterrupted air traffic operations.

As an active contributor to international Air Traffic Management (ATM) standards, Jotron develops solutions that support both today's operational needs and tomorrow's requirements.

Solid by design

The name says it all. SureVoice is built on a foundation of proven technology, robust engineering and a long-term approach to reliability. The system scales from smaller airports to large Area Control Centers (ACC) using the same core architecture. Its modular design allows organizations to expand, adapt and modernize over time without unnecessary complexity.

From the communication core to the controller working position, every element of the system is designed to deliver dependable performance throughout its lifecycle. This commitment to precision and quality helps customers protect their investment while maintaining operational confidence.

Fully integrated and complete VCS, radio and recorder system

Reliable, scalable, and designed for demanding ATC environments

- Combined with Jotron's ground-to-air radios and Ricochet Recorder, we supply a seamless communication chain from controller to cockpit.



Connect

Reliable ground-to-air radios



Respond

Unified voice communication



Record

Complete situational reconstruction



Simple for operators and engineers

Advanced technology should simplify operations, not complicate them.

SureVoice is designed around the people who use it every day. The user interface supports efficient workflows and can be adapted to operational preferences, helping controllers work comfortably and confidently in demanding situations.

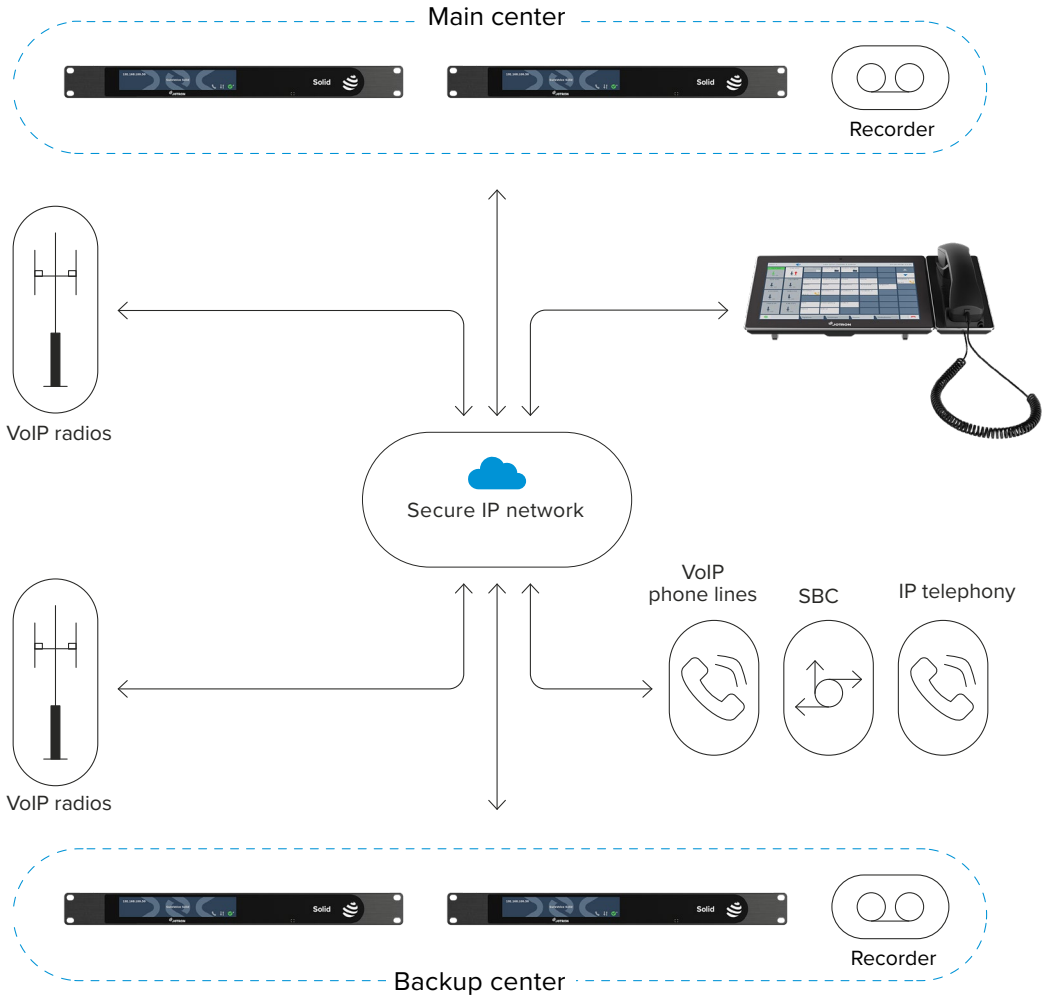
The same philosophy extends to configuration, maintenance and monitoring. Intuitive management tools make it easier for technical staff to configure, supervise and develop the system as operational requirements change.

Simple for the controller. Simple for the engineer. Simple for the organisation.

ACC system

An ACC is responsible for a large area of traffic control. Often many operators are active to ensure safe air traffic.

A typical configuration for an ACC system would be a fully redundant Jotron voice switch with separate networks, many radios on remote locations and integrated recording and telephony via ED-137. Our SureVoice Panel12 connected to 2 separate networks is often chosen as the operator working position.

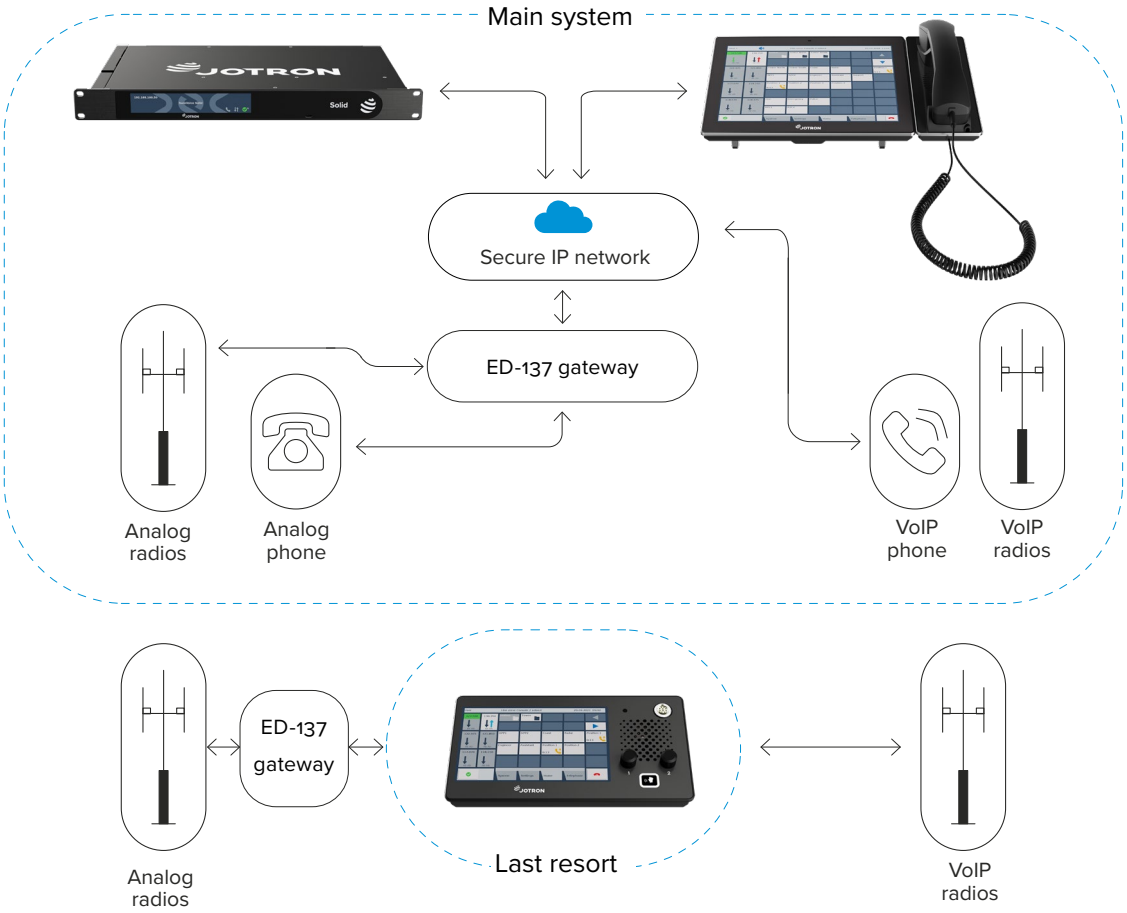


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ATC system

The ATC center at an airport takes care of all in- and outgoing flights and ground movements. The controllers are stationed in a (remote) tower and work with a main, back up and last resort system.

A typical configuration for a main system would be a fully redundant Jotron voice switch, radios, PABX and recorders. Often our SureVoice Panel7 or SureVoice Panel12 are chosen as operator working position. The last resort system consists of our dedicated voice switch panel which is dual connected direct to the radios and will continue to work even if the two main networks fail.



Technology transition

Over time all airport systems will be 100% end to end IP based. During the changeover from analog to IP based systems, seamless integration with standards like 4 wire E&M, analog telephone, analog radios etc. will remain important to secure uninterrupted performance and phase out analogue components only when it makes economic sense. The Jotron solutions allow for 100% IP systems using COTS hardware, based upon our dedicated servers or a hybrid solution which can handle analog as well as IP connections. Jotron can advise on the best choice for the customers given their situation.

EUROCAE standards

Jotron is an active member of EUROCAE and helped set the ED-137 standard in workgroup 67.

EASA certified

Jotron is certified as a Design and Production Organization by European Union Aviation Safety Agency marking an important milestone in the company's continued development within the aviation industry.

We continue to improve the standards and bring the industry forward!

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