

# Streamline and automate ATIS/VOLMET services

**Insero AviCast** offers cost-effective and automatic broadcasting to multiple radio and datalink channels

Insero AviCast is the latest generation of the Insero broadcasting solutions, building on many years of experience and operational use, yet based on a modern service-oriented server architecture and secure browser-based web applications.

## **ATIS/D-ATIS and VOLMET/D-VOLMET**

For Automatic Terminal Information Service (ATIS) and/or VOLMET flight weather broadcast to aircraft in flight/enroute, Insero AviCast will support your needs.

Based on configuration, ATIS broadcasts can be transmitted as either radio-transmitted ATIS and/or Datalink ATIS (D-ATIS), and similarly for VOLMET broadcasts. It is also possible to configure e.g. separate ATIS arrival and departure broadcasts.

## **User friendly and (fully) automated workflows**

A fully automated flow for generation of broadcast messages, with system error detection/data validation, and the option of manual flows.

Furthermore, configuration of automation settings, as well as editing of pre-filled and system validated forms, user verification (textual, pre-listening) and monitoring of available broadcasts is provided.

Broadcast message formats as applicable by e.g. Aerodrome, arrival/departure, ATIS/VOLMET, etc. and voice pronunciations, including dictionaries, aliases, phonetics, exceptions for words/sentences are user configurable. Text-to-Speech technology generates natural voice messages based on this configuration.

System access and user interfaces are adapted to the needs of the specific user and their role for maximum efficiency and security. An integrated monitoring platform with audit log, message history, legal recordings, etc. will assist the technical staff during maintenance tasks. System/process health status and alerts are provided.

## **Industry standard interfaces**

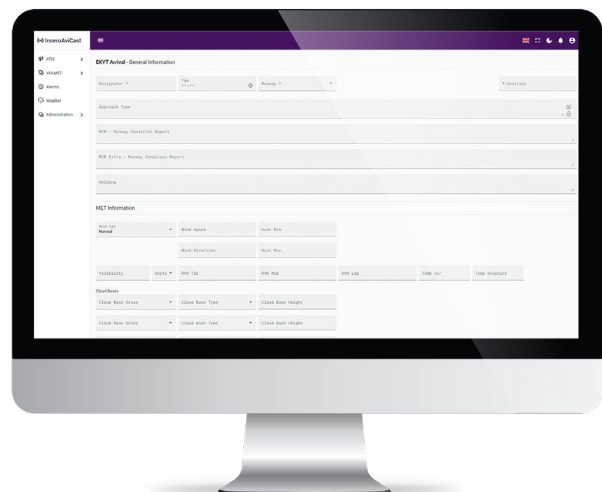
Insero AviCast provides standard interface services for receiving and sending data/speech. Meteorological data can e.g. be received from Insero AWOS and flight plan data received from or sent to Insero AIMS, or 3rd party systems. Datalink data can be sent to service providers such as SITA and ARINC.

Additional interfaces are available for various purposes such as e.g. internal/external information systems, recording, or centralised technical monitoring systems. Thereby also providing a high level of automation, which eases the burden on the Air Traffic Controllers.

## **System technology**

Insero AviCast provides an intuitive user interface and utilises secure browser-based web applications. The fault tolerant, redundant server platform is a service-oriented server architecture specially developed to integrate information systems and to support airport automation and 24/7 broadcasting services.

Insero AviCast is developed in accordance with EURO-CONTROL, EASA, ICAO, and WMO regulations and standards. This also including ICAO GRF requirements.



*Intuitive and secure Insero AviCast web applications*

**For more information  
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## INPUT SOURCES

METAR/SIGMET messages



Manual input



Weather data



AFTN / AMHS

Augment/correct data

Meteorological data



## OUTPUT SOURCES

Radio voice broadcasts



Digital data links



SITA / ARINC  
D-ATIS / D-VOLMET

*Overview of how Insero AviCast works*

## Key features

### Single configurable system for ATIS/VOLMET

(D-)ATIS and/or (D-)VOLMET messages are supported, and these are fully user configurable by e.g. aerodrome, separately for arrival and departure, etc.

### Supports multi-channel broadcasts

Messages can be transmitted as radio (ATIS/VOLMET) and/or datalink (D-ATIS/D-VOLMET) broadcasts for the desired channels.

### Customised user interface for optimum efficiency

The intuitive, modern, easy to use and flexible web-based user interface, ensures optimum efficiency for all user profiles.

### Real time control and monitoring

Full system overview and operational status, including health status and alerts, is provided for Insero AviCast computers, services and interfaces.

### Fully automatic or with manual interaction

Insero AviCast provides a fully automated workflow for generation of broadcasting messages, but also the possibility for user intervention/verification as required.

### Modern system architecture for 24/7 operations

Fault tolerant, redundant and service-oriented server platform and secure browser-based web applications provides a flexible and future proof solution.

### High-quality Text-to-Speech synthesis

The included Text-to-Speech synthesis and tools to fine-tune and optimize the pronunciation of individual words and sentences, ensures high-quality voice messages.

### Standard interfaces

The standard interfaces (APIs) ensure cost-effective integration of relevant systems, and a high level of automation, which eases the burden on the users.