INSERO
AIR TRAFFIC SOLUTIONS

Intuitive flight data processing system

Insero AIMS is a fully integrated flight data processing and message switching system

With AIMS, we offer a fully integrated flight data processing and message switching system which helps air traffic controllers share information more effectively.

AIMS – short for Airport Information Management System - is a modular AFTN/AMHS processing engine and message switching system, which provides intelligent handling of flight plans, meteorological information as well as additional AFTN/AMHS data handling.

Configurable and easy to integrate
AIMS fulfills all the requirements of an operational flight data processing system and provides easy standard-based integration points. It is available as an on-premises solution, operating on Linux or Windows, or a fully managed cloud hosted solution.

Flight plan and ATC data handling
Flight plan messages from one or several sources are intelligently merged into a resulting flight plan, ensuring always up-to-date information to the end users. AIMS supports local flight plans for VFR flights and automatic generation as well as automatic addressing of departure/arrival messages.

AIMS also handles incoming airport, airspace and meteorological data (METAR, TAF, SIGMET, NOTAM, SNOWTAM, ASHTAM etc.). Incoming NOTAM and SIGMET messages are scanned for information on predefined areas, which automatically activates/deactivates the areas based on the timing information contained in the messages.

Available data is presented to the users in intuitive presentations, including Flight List Form, Meteorological Data List, Pending List of incoming AFTN telegrams, as well as access to the historical archive of flight plan meteorological data and all other incoming and outgoing AFTN telegrams as well as strip printing functionality.

Integrated solution
Insero AIMS also interfaces with the Insero RADIS advanced RADAR display for correlation of radar tracks as well as Safety Nets (E.g. STCA and MSAW) functionality and On-Line Data Interchange (OLDI) coordination.

The flight plans from Insero AIMS are also available in the Insero E-STRIP electronic flight strip application.

Real-time, unified flight plan and meteorological data

For more information please contact:

Insero Air Traffic Solutions
W: www.inseroATS.com
E: info@inseroats.com
T: +45 79 25 33 00

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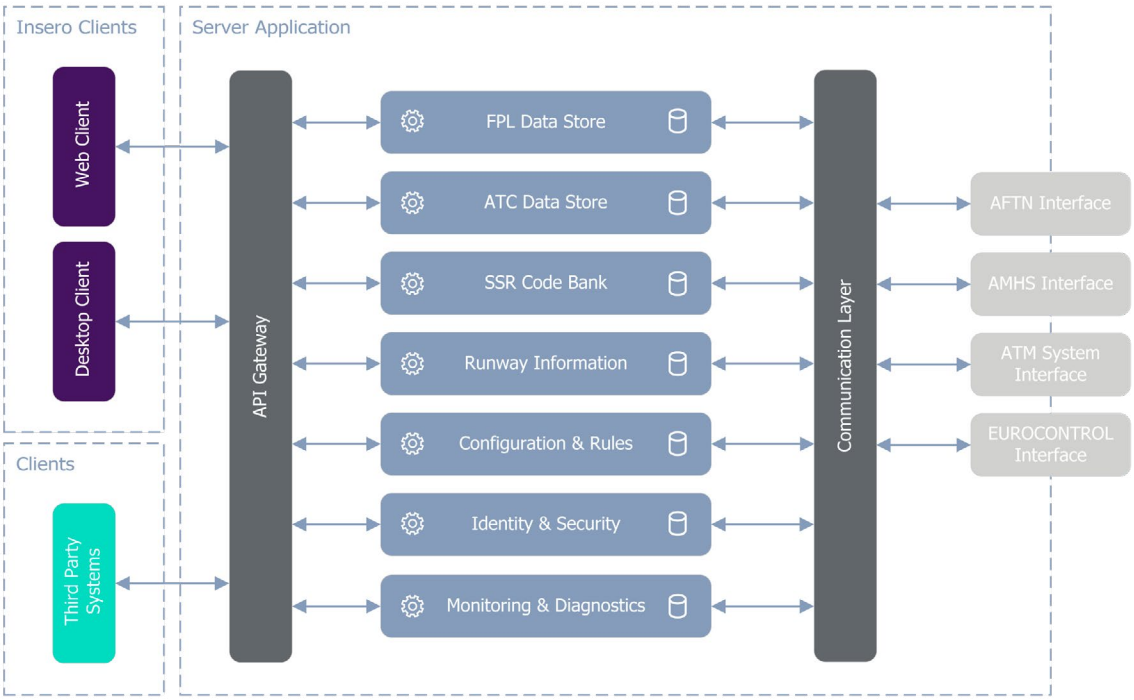

System operation and platform architecture

Key features

Flight plan and ATC data handling

Flight plan messages from one or several sources are seamlessly merged into a resulting flight plan.

Fully scalable solution

Insero AIMS is scalable from a single-computer installation to multiple on-premises redundant servers as well as a highly redundant cloud-based solution.

Online configuration

All important aspects of Insero AIMS are online configurable. This includes routing rules, message filters, user accounts etc.

SSR Code bank

Handle a reserved group of SSR codes for local flights. The SSR codes can be assigned automatic or manual.

Training and simulation functionalities

Insero AIMS includes features to easily setup simulating and replaying data environments ideal for training, testing and validation.

Flexible rule-based routing engine

This feature ensures that the right data is presented at the right place, at the right time.

Operation count

Count the total numbers of operations for a specific flight for statistical and billing purposes.

ATM system interface

This feature enables interface to ATM systems (i.e. COOPANS).