



INSERO

AIR TRAFFIC SOLUTIONS

AviSky

Next generation in the
evolution of digital aviation

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Access all aviation data in one platform

Avi**Sky** is a real-time information platform dedicated to take digitalisation to the next level.

Air traffic data is often scattered across multiple systems making data hard to access – and even harder to manage and secure.

AviSky represents the next generation in the evolution of digital aviation. It is the information management platform from which future capacity and operational excellence is achieved.

The AviSky Platform

With the ability to seamlessly integrate data from all connected systems, the AviSky platform collects, stores, enriches and fuses data from multiple data sources and enables you to exchange data in a highly redundant and secure way between all stakeholders.

With a single integration point, you have an accessible and flexible information platform, which is applicable in a wide range of areas such as Remote Tower Systems, ATC/ATM information Systems, API servers etc.

Global applicability

AviSky is designed with global applicability in mind. The platform is built upon well-proven, redundant & scalable standard data streaming, -storage and -indexing modules. By applying industry standard protocols and interfaces, the AviSky platform can easily be integrated with additional systems to extend the solution.

Boost your business initiatives

With new ways of fusing, querying and analysing datasets that have previously been disconnected or in a state where data analysis has not been possible, AviSky supports your business priorities - whether it be sustainability goals or safety measures.

The AviSky analytics modules enable you to analyse or simulate new operational patterns and behaviours to support your decisions, regardless if the aim is to e.g. reduce fuel consumption or support tower operations.

Increase your operational capacity

With all your data available in one platform, you can easily identify operational gaps and bottlenecks just as centralised monitoring of real time and historical data enables you to evaluate performance.

It is the perfect tool for increasing capacity and expanding operations allowing fewer delays, faster turnarounds, faster response times and lean maintenance planning.

Take your digitalisation to the next level

AviSky paves the way for optimisation of all operational areas with respect to cost and required service levels. Even more so, it supports your efforts in improving systems availability and reliability and enables you to respond faster to alerts and operational disruptions.

Thanks to the scalability, modularity and flexibility of AviSky, you will operate a future-proof solution that is designed to grow with your business and future demands.

Connectors



Applications

Overview of possible data sources and application opportunities.

Facts and features

Features

- Scalable & Highly Available
- Seamless System Integration
- Data & Interface Versioning
- Protocol Conversion
- Monitoring Support (i.e. SNMP)

Supported Data Access Protocols

Native Clients (Non-exhaustive list)

- C++
- Java
- Python
- Node
- .NET
- REST / WEB API
- DDS
- MQTT

Hosting Options

- Customer Premises
- Private Cloud
- Cloud

Security / Data governance

- Data Communication Encrypted with SSL
- User/Application Authentication
- Data Access Authorization
- Clear Data Ownership
- Auditable data updates

Analytics

- Real time Dashboards
- Reporting
- Analytics Engine
- Powerful Query Language
- Business Intelligence
- AI & Machine Learning

Service Options

- SLA Agreements
- Integration Services

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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