

Optimisation of charges, cashflow and traffic analysis

Insero SERIS offers advanced consolidation and analysis of flight data while optimising revenue streams

With the Insero Statistics, Economics and Route charges Information System (SERIS) solution, we combine automated terminal/route charges and air traffic analysis in one solution. You get an advanced registration of terminal and en-route charges tool for consolidation/validation of flight data, automating revenue streams, cost recovery and interfacing the EUROCONTROL Central Route Charges Office (CRCO) system, as well as an Air Traffic Analyser designed to optimise air traffic conditions.

Our solution also provides you with statistics on e.g. airspace traffic, runway load, IFR operations, CO2 emissions, fuel consumption, noise reports, and revenue as well as other vital air traffic information that help increase business efficiency and revenue.

Insero SERIS consists of two primary tools: A Registration of Terminal and En-route Charges tool & an Air Traffic Analyser.

Registration of Terminal and En-route Charges

Based on a well-proven flight calculation engine which consolidates and validates data from various sources such as Air Traffic Management, flight plans, airport logs and radar tracks, Insero SERIS logs each flight in the designated area as well as start- and landing point.

To enable timely revenue optimisation, the system automatically calculates the financial revenue daily, which includes calculation of appropriate fees, exemption codes and automatic flight checks.

All data is exchanged in the proper, industry standard formats, supporting e.g. on-line interface to/from the EUROCONTROL Central Route Charges Office (CRCO) system for charges, claims, corrections and credit notes.

Insero SERIS is therefore uniquely supporting the economic processes of navigation services cost recovery, while at the same time providing a higher level of accuracy, process and time efficiencies and greatly reducing manual efforts.

Air Traffic analyser

A unique tool within Insero SERIS is the Air Traffic Analyser, which enables you to explore air traffic patterns and optimise performance accordingly. With the analyser, you can apply the data collected with Insero SERIS to identify potential bottlenecks, sector load, holding areas, fuel consumption, CO2 emissions, etc.

Included in the analyser tool are three advanced analysis features: The Vertical Flight Efficiency Analyser, Airspace Analyser and Terminal Route Analyser enabling you to effectively evaluate causes for inefficiencies, identify best practices, map emission cycles and much more.



Collect, process and analyse flight data with Insero SERIS

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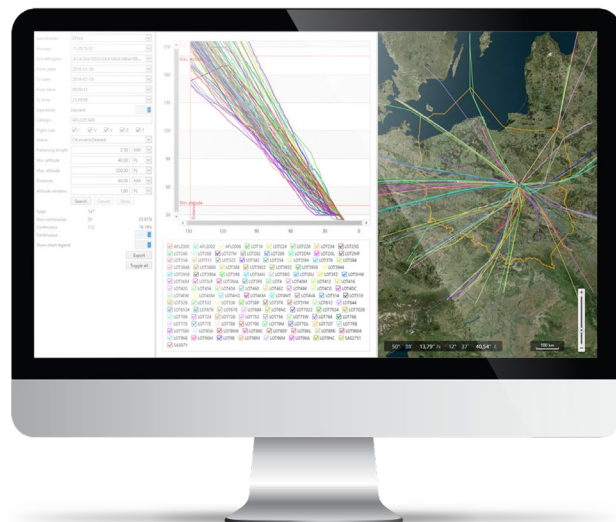
Automatic data validation

Insero SERIS includes a revenue validation feature which checks the data received from third parties against the live data obtained by logging the actual flights.

The validation feature offers many possibilities of fast and correct auditing of CRCO revenue reports and payments. More than 95% of all flights are validated by the system and needs no manual processing.

Easy reporting

To broaden the scope and usability of data across the organisation, the solution provides reporting services where both standard and tailored reports can be retrieved through a regular browser while eliminating the need for specialized desktop application clients.



Built-in reporting and analysis

Key features

Automatic validation of flights

+95% of all flights are validated by the system and needs no manual processing, thereby reducing workload and allowing the operators to focus on the exceptions.

Single integrated validation

Single integrated validation of the entire air traffic registration and accounting process: Handling of corrections, claims and additional flights.

Automation through integration

SERIS integrates relevant systems and consolidates e.g. flight plans, airport logs and radar tracks for automation and digitalisation of charging processes.

Validation and EUROCONTROL interface

All data is validated and is exchanged in the proper, industry standard formats, supporting e.g. on-line interface to and from the EUROCONTROL Central Route Charges Office (CRCO).

Terminal Route Analyser

Display statistics and information about the usage of SID/STAR terminal routes.

Airspace analyser

Display of statistics and information about the traffic density and e.g. supports noise, fuel and CO2 emissions reporting.

Reporting and Business Intelligence

SERIS supports reporting and business intelligence of flights, charges, fees, statistics, etc. for improved executive and operational reporting and analysis.

ERP system integration

Seamless integration lets you exchange all relevant data with your current ERP system.