

# Flight optimisation through air traffic analysis

**SERIS** is an advanced tool for tracking flights while optimising and securing revenue streams

With our air traffic analyser system, Insero SERIS, we combine tracking and analysis in one system. You get an advanced Registration of Terminal and En-routes Charges tool for keeping track of flights and securing revenue streams and automating revenue charging processes as well as an Air Traffic Analyser designed to optimise air traffic conditions.

Our solution provides you with statistics on runway load, weekly and monthly IFR operations and revenue as well as vital information on air traffic behaviour that help you increase business efficiency and revenue generation.

With Insero SERIS we offer the one and only system required to improve your traffic efficiency and maximise cashflow. The system consists of two advanced tools: A Registration of Terminal and En-routes Charges tool & an Air Traffic Analyser.

## **Registration of Terminal and En-route Charges**

Based on a well-proven flight calculation engine which applies data from various sources such as 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 continuous 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 logged in the proper interchange formats, so it can easily be transferred to EUROCONTROL, or any other organisation handling route charges, offering the highest obtainable invoicing quality.

## **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 usage, CO2 emissions etc.

Included in the analyser tool are three advanced analysis features: The Vertical Flight Efficiency Analyser, Air-space 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 SERIS*

**For more information  
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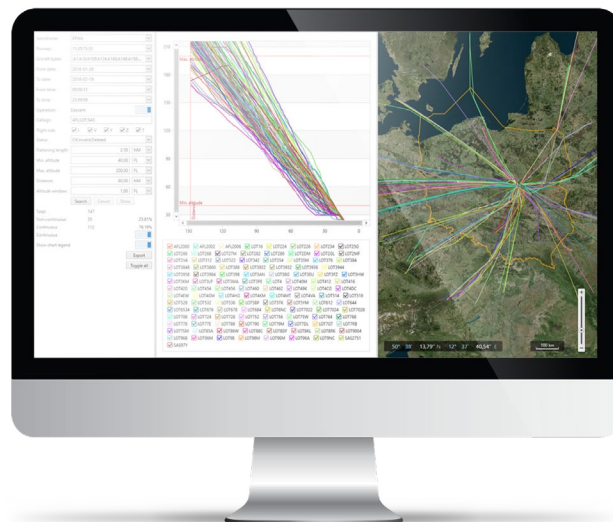
### **Automatic data validation**

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 correction**

Data is logged in the proper interchange formats for subsequent transfer.

### **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.