

OPERATIONSANALYZER

A COMPONENT OF THE AIRPORTPULSE PORTAL THAT SUPPORTS OPERATIONAL PLANNING AND ANALYSIS

Airports are a demanding, fast-paced, time-constrained, resource-consuming, multi-stakeholder, unpredictable, 24/7 business environment. Airport operational teams are continually looking to drive improvements through operational efficiencies and enhanced customer experience. OperationsAnalyzer is a powerful and customizable tool that can address these challenges.

ISSUES

Fragmented systems and multiple data sources

Much airport data exists in silos and disparate systems, thus making it cumbersome and time consuming to source and analyze.

Limited access to empowering analytical tools

Average reporting tools do not enable operational teams to quickly make operational decisions.

Inadequate methods to share critical information

Airports are not always able to efficiently collaborate with their stakeholders.

Lack of airside situational awareness

A graphical view of airside operations is required in order to obtain detailed situational awareness.

SOLUTION

OperationsAnalyzer has been created to support airport operational teams to expedite the ever-increasing demands of managing and optimising the airport's daily operational volatility.

OperationsAnalyzer is a powerful, agile and customizable tool that enables the presentation of key statistical and management information from the many, fast-moving, continuous streams of data via dashboards and reports.

OperationsAnalyzer dashboards and reports enhance the airport's ability to understand the day of operations activities at a detailed level and present information to action and resolve short-term issues and in the mid- to long-term, achieve continuous improvement across key performance areas.

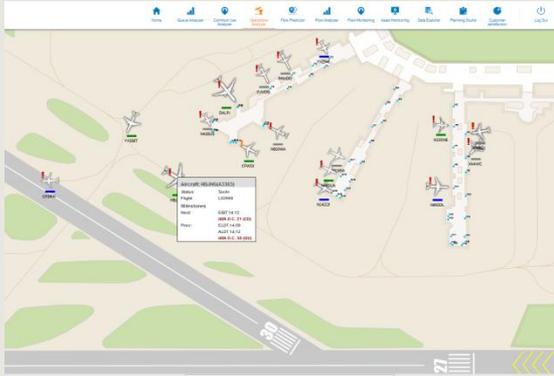
BENEFITS

- Consolidates operations and passenger volumes data and makes it easily accessible by end-users, thus saving them hours of time.
- Enable performance monitoring and management by presenting up-to-date KPIs to executive and operations management via performance dashboards .
- Improve operational decision-making with easy access to relevant information from multiple sources, thus providing airport-wide insight.
- Maximize situational awareness with a real-time graphical view of airside operations.

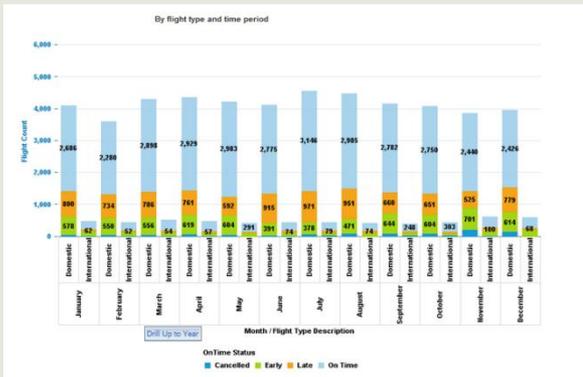
48 man days
per year saved as a
result of faster data
access and analytics
capability

HOW DOES IT WORK?

Live airside information and visualization



Presentation of performance data



The pulse of an airport is dynamic and unpredictable. AirportPulse provides insights into operations to assist management with decision-making.

SOLUTION COMPONENTS

1. AirportPulse portal

OperationsAnalyzer is a component of the AirportPulse portal, part of Day of Operations BI solution. It provides KPI dashboards and a single point of access to a broad range of services, to provide end-to-end situational awareness across the airport.

2. Data collection

Consolidation of real-time and historical operations data from multiple sources to enable correlation and analysis.

3. SLA measurements and goals

Collation of key SLA measurements and agreed goals, and minimal acceptable levels to report against.

4. Airport customization

Customization to specific airport and airport stakeholder requirements.

Capturing of airfield mapping and key area markings and consolidation onto active airport graphics.

5. Optimization

Preparation of automated benchmark reporting and formal collaborative reviews of each asset being monitored.

6. Visualization

Structured delivery of information visualizations based on security, business needs, stakeholder and systems available. Options include dashboards and push-based messaging.

CASE STUDY

Airports are continually challenged by the ever-changing, unpredictable nature of the air transport industry.

Airports are required to report on actual operational activities, and often excessive man hours are spent every month on standard operational reporting.

In addition, the capability to improve performance is dependant on easy access to KPIs, and this requires effective collection and management of measurement data.

One day a week is a conservative estimate of the amount of time spent by airports collecting and processing data for standard reporting, and as much time again can be spent on ad hoc reporting requirements.

Using OperationsAnalyzer to automate standard operations reporting, enable ad-hoc analysis and provide constant KPI monitoring can easily save 48 man days per year, and even greater benefit can be obtained by using the time saved and data available to seek further operational efficiencies.

For more information please contact us at info@sita.aero