



# Amadeus SkySYM by Optym



## Flight Schedule Simulation System

Amadeus SkySYM By Optym measures the operational performance of flight schedules in terms of on-time arrivals, schedule recoverability, and passenger connections. The system is a highly accurate testing lab to evaluate the reliability of proposed future flight schedules before they are implemented. SkySYM's simulations achieve over 95% accuracy in modeling most KPIs.

## Key Features

**Hot Spot Detection:** SkySYM's hot spot detection feature helps determine the root causes of flight delays, identifying flights that cause cascading delays and aircraft routes that are prone to frequent delays. The system provides recommendations for schedule improvements by adding slack where it is needed most.

**Automatic Model Calibration:** A simulation system typically requires business parameters, updated manually by the user, to keep the system calibrated. SkySYM receives periodic data feeds from an airline's databases and updates these parameters automatically, eliminating the manual task of rebuilding the model.

**Advanced User Experience:** Built with collaboration and maximised efficiency in mind, SkySYM is a multi-user, multi-scenario system that facilitates cooperative decision-making: analysing data inputs, running simulations, and disseminating solutions from different perspectives. operational constraints so that manual effort is minimised.

## Key Benefits



### Greater Customer Satisfaction:

More robust schedules will result in fewer flight delays, fewer passengers missing their connections, fewer baggage delays, and overall greater customer satisfaction.



### Improve On-Time Performance:

The system gives weight to both profitability and reliability objectives while evaluating schedules to generate flight patterns with better on-time performances.



### Reduce Operational Costs:

Airlines spend hundreds of millions of dollars over and above their planned costs due to various unplanned disruptions. SkySYM's robust scheduling system will reduce disruptions, along with their associated costs.

