

# Intelligent Flight Operations Solution

A Leading Low-cost Carrier



In these challenging times, the airline industry is under pressure to grow revenues & reduce costs post-pandemic, and improving operational efficiency is a key challenge.

▼ **5%**  
Wastage

▼ **4%**  
Costs

Microsoft SQL Server | Microsoft SQL Server Integration Services | Power BI | R/Python

ITC Infotech is a leading global technology services and solutions provider, led by Business and Technology Consulting. We provide business-friendly solutions to help clients succeed and be future-ready, by seamlessly bringing together digital expertise, strong industry specific alliances and deep domain expertise. We offer technology solutions and services to enterprises across industries through a combination of traditional and newer business models, as a long-term sustainable partner.

## CHALLENGE

The airline wanted help to manage its flight operations efficiently to minimize operating costs through fuel analytics, crew analytics, catering analytics, etc.

Implemented Intelligent Flight Ops Solutions to provide efficient operational analytics through a predictive engine to minimize operational cost and improve process efficiency.

## SOLUTION

### Delay Prediction

- Factors driving block-hours delay
- Flight delay propensity
- Delay estimation

### F&B Wastage Minimization

- Demand forecast for F&B across entire network
- Strike a trade-off between food wastage & opportunities of on-board sales

### Fuel Analytics

- Destination hold fuel estimation
- Economical upload of fuel averted extra fuel burn

## RESULTS

- 5% reduction in food wastage (by volume) through demand forecast
- Efficient planning of turn around time for aircrafts and assignment of optimal amount of Destination Hold Fuel for each flight