GE Aerospace

SOFTWARE AS A SERVICE

FlightPulse®

The app designed by pilots, for pilots.

FlightPulse® is a fully-configurable, modular EFB application that puts data key to operational decisions directly in the hands of commercial pilots.

FlightPulse® provides access to data like never before. The Pre-flight module provides aggregated data from across the operation for more informed fuel decisions and departure briefings, while the Post-flight module provides secure access to data from a pilot's individual flight history, allowing them to analyze their own operation of the aircraft in relation to their peers and self-discover areas to optimize operations and efficiency.

50,000+

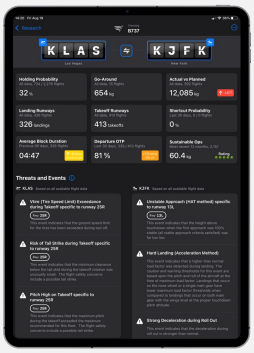
Pilots optimizing operations and trusting FlightPulse® with their data

5.71 MM kg

Carbon emissions avoided

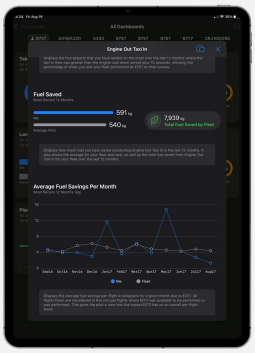
1.88 MM kg

Fuel saved in the first-year post FlightPulse® adoption



Safety

Familiarize pilots with common threats and events

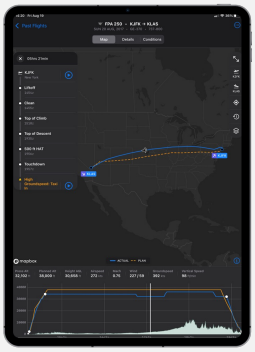


Efficiency

Understand fuel impacts and operational changes

Mobility

Secured app, private insight in your hands wherever you go



Empowerment

Create self-learning moments and enable continuous improvement

Features and benefits

- Intuitive and easy-to-use, enabling pilots to get up and running in three minutes or less
- Powered by analytics from the EMS platform for automated integration, cleansing, and data validation
- Pilots access their data securely and privately through the mobile app
- Pre-flight module with access to aggregate historical data for operational decision making
- Post-flight module with individualized flight metrics relative to anonymized peer statistics
- Application runs on a pilot's EFB device
- Pilots can analyze topical statistics and common safety events based on historical flight data for their entire operation, to assist them in making the optimal safety and fuel decisions for an upcoming flight
- FlightPulse® highlights deviations from planned routes so that pilots can understand where specific efficiency opportunities were missed, or where increased safety risks were present to improve future flight characteristics
- Pilots can benchmark themselves and understand where they excel, and which areas could present opportunities for improvement
- Pilots can play back a previous flight with interactive controls to debrief on safety events, understand how to improve their flying techniques, and consider operational risks
- The Configuration Console allows managers to craft messaging and content displayed to pilots to make data interpretable and useful for them, and to align with key initiatives and areas of interest

[1] Frost and Sullivan Applying Data and Analytics to Improve Efficiency study for GE Aviation's Digital Group, Nov 2019

[2] By Qantas pilots in the first year of use, read more about the Qantas case study here