Increase flight safety and reduce risk

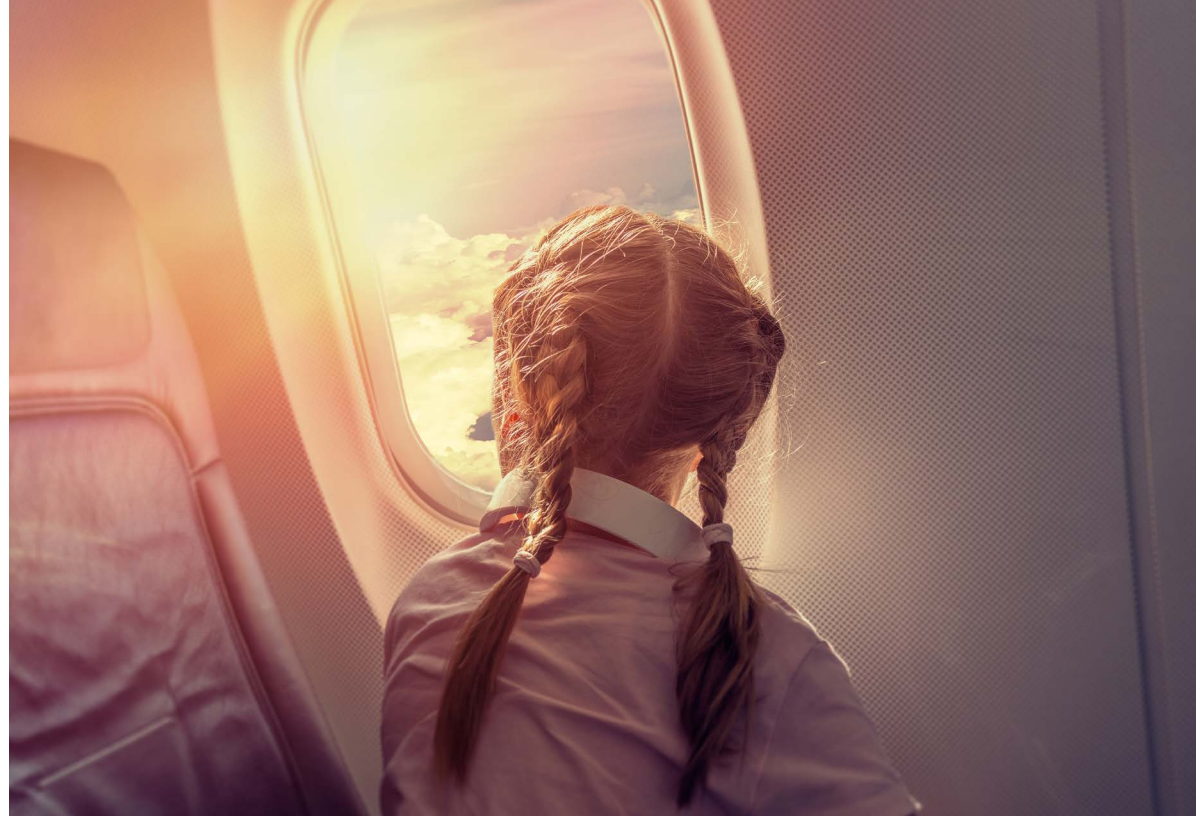Safety Insight from GE Digital Aviation Software

Safety Insight

GE Safety Insight helps airline operations, safety managers and pilots improve flight safety with multi-system flight data collection and analytics to help optimize operating procedures and overall airline safety.

eFOQA helps airlines improve safety and reduce carbon emissions. With fully-automated data quality checks and error correction, airlines get better insight faster with less human intervention. And eFOQA takes safety a step further by including fuel efficiency analytics to help operators fly both safely and efficiently, identifying savings opportunities and quantifying the results.
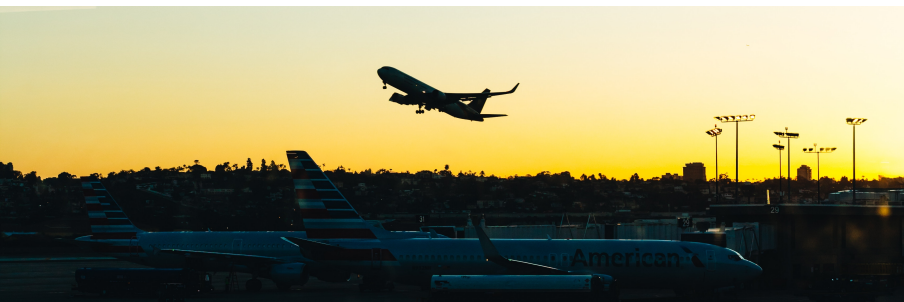
C-FOQA gives business jet operators fast, accurate reporting of the exact safety events they should be concerned about – presented cleanly and integrated with their existing monitoring systems to save time and help pilots operate safely.

Together with the FlightPulse® pilot app, our Safety Insight solutions let your team cut through the noise and be more effective by focusing on what matters most—operating safely.

A robust suite of analytical tools and reports for safety performance

Analytical tools and reports from Safety Insights can help you process and analyze flight data in order to effectively identify safety risk, determine root causes and monitor corrective actions.

C-FOQA

makes it easy for business jet operators to improve safety by identifying safety events and trends. GE's experts examine data and track safety metrics to reveal potential areas of risk and benchmark each operator against the industry average – all with speed and accuracy.
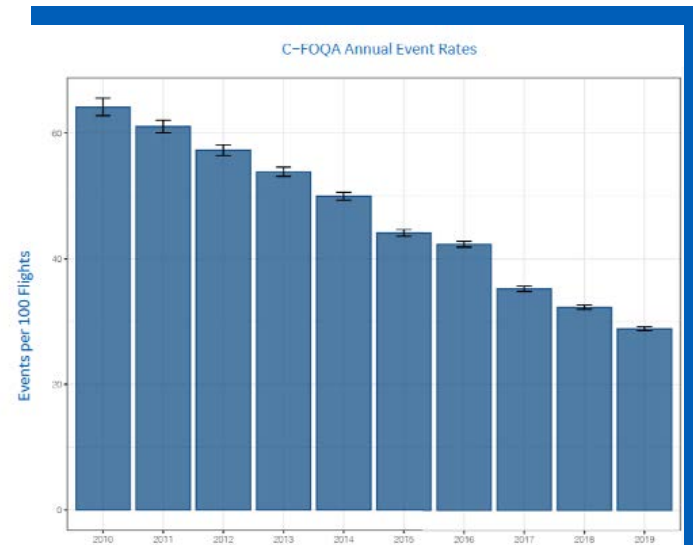
See how you stack up against the industry to understand relative areas of risk

Get clean, accurate data with fewer false positives and higher confidence in the results

Integrated with ARINCDirect and Vector SMS to save time and help your pilots be safer

Features:

- Fast and accurate reporting of safety events that flight crews need to know about
- Benchmarking of safety factors across all operators in our web-based dashboards allowing for me vs. the group comparisons
- Reporting on approach stability, hard landings, severe turbulence, and runway safety
- Simplified web-based interface for all reporting—no complex software to learn
- Pre-configured by GE safety experts for your exact aircraft model's operating

C-FOQA Annual Event Rates

eFOQA

The gold-standard in aviation safety for over a decade, helping airline operations, safety managers and pilots fly safely.

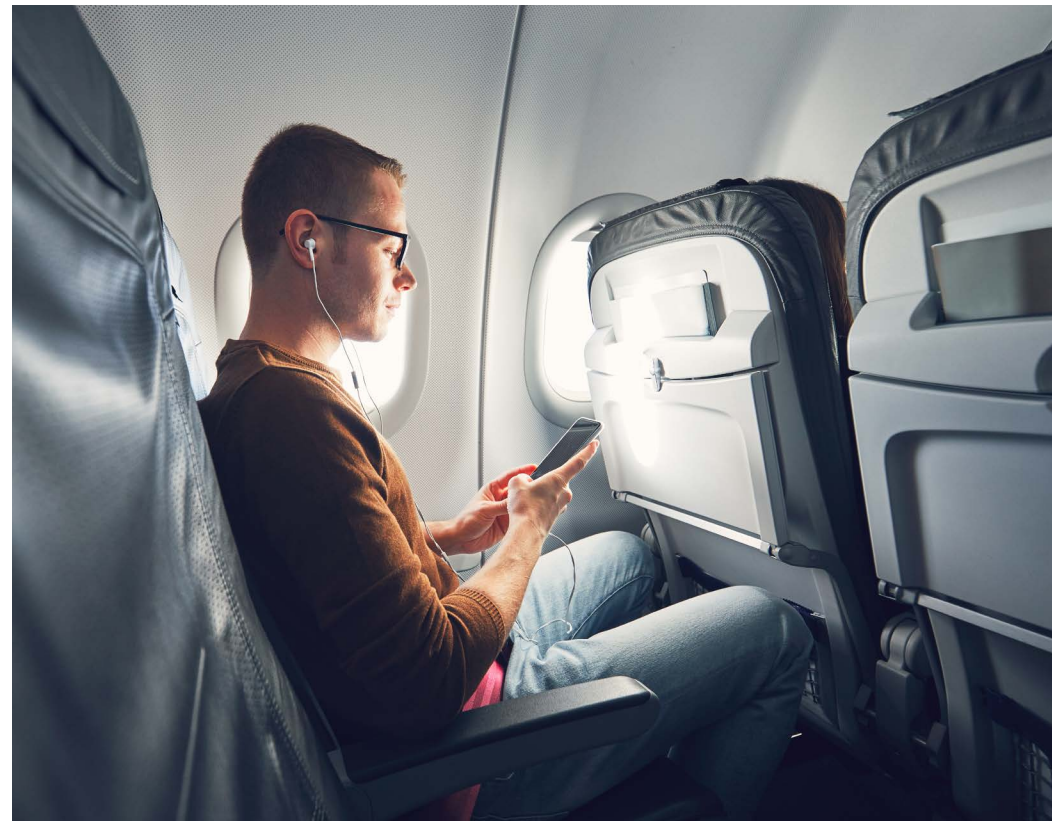**Utilizes a powerful analytics engine (EMS) to extract valuable operational insights**

Provides seamless data visualization with our Safety Dashboard for fleet management and safety operations

Modularly designed to enable growth and increase digital capabilities on-demand

Features:

- Fully automated data processing with error detection and correction
- GE's library of safety events, built from decades of safety insight and experience
- Customizable workflow tools and integration options
- Fuel efficiency analytics helping your team save fuel, reduce carbon emissions, and maximize safety

Solution driven by GE Digital Aviation Software & Qantas

Built on Microsoft Azure

GE Digital's Safety Insight is built on top of Azure, driving advanced analytics to identify the features and events needed to best improve airline safety.

Backup and storage   **Machine learning**   **Data and intelligence**   **Security and management**

FlightPulse® enables and empowers pilots operationally

Through the use of airline-specific and pilot individualized historical data, FlightPulse allows pilots to access operational information that has never been available to them before.

It will **enable** pilots to operate safely and efficiently while **empowering** them to make more informed decisions.

Safety ✓

Familiarize pilots with common threats or errors

Efficiency ✓

Understand fuel impacts of operational changes

Mobility ✓

Secure app, private insight at your fingertips, always available

Empowerment ✓

Create self-learning moments and enable continuous improvement

FlightPulse gives insight for flight prep to flight assessment

Pre-Flight Module

Study
Search by route to understand conditions at new or unfamiliar airports to prepare for an upcoming flight

Plan
Review historical data on to support pre-flight fuel decisions and departure briefings

Operate
Access historical data for operational decision making on holding and go-around fuel

Post-Flight Module

Private Access
Pilots get private and secure access to their individual flight history

Flight Analytics
Access to individual flight data parameters by phase of flight configurable to each airline

Peer Learning
Individualized summary flight metrics relative to an anonymized peer set

Identify

Analyze flight recorder data and track safety metrics

Adapt

Adjust policies, training, and basic crew awareness based on actual events and data

Deliver

See results in your data as safety events diminish over time

Schedule a demo today. **ge.com/digital/flight-analytics | ge.com/digital/safety-insight**