

### On-demand and real-time aircraft fault, event and operations data

#### Delivering the right data, to the right people, at the right time

GE's Ground Services Network integrates data from the aircraft systems into a single snapshot view, including faults, events, OMS (onboard maintenance systems) that are utilized for FOQA, developing maintenance strategies. Operators have better control and insight into their aircraft operations, increasing availability of the aircraft.

#### In service since 2012 supporting

- 100,000+ flights with full flight data
- 800+ users including operators and OEMs
- 400+ aircraft
- 7 aircraft types

#### In-flight data management

- In-flight data notification
- In-air data interrogation avoiding flight diversions

#### Post flight data analysis

- Providing early warning of emergent engine faults
- Preventing costly maintenance
- Providing evidence for entry into service investigations.



# Overview

## Key Functions

- Single pane of glass into aircraft operating and health data
- View of connected aircraft and data usage
- Decode, display and analysis of recorded data
- Remote Parameter Display (RPD) - generation and review of in-flight data requests
- Support for user-defined analytics for operational insights
- Support for data anonymity by removing sensitive parameters from the data – GPS location, for example
- Data forwarding to configured endpoints for FOQA, Engine Health Monitoring etc
- Monthly/Quarterly aircraft health and performance reports

## Leading Features

- Web browser interface
- Integration with customer IT infrastructure for user-authentication and role-based access control
- Scalable and extensible for small or large fleets
- Support for customer-defined look and feel for seamless integration with existing web portals

## Software

- Microsoft Azure Cloud Architecture

## GE Integrated Vehicle Health Management (IVHM) System

