Insight Accelerator

An advanced analytics solution that enables operators to derive prognostic insights and create tailored alerts for effective predictive maintenance

The Boeing Flight Data Analytics – Insight Accelerator (IA) advanced analytics solution enables effective predictive maintenance through the identification of patterns of premature component failure, allowing operators to pre-emptively perform maintenance and avoid the high impact of unscheduled replacements. All components experience degradation and IA can help manage the timing of maintenance.

As part of the Boeing Flight Data Analytics integrated suite of solutions, IA's state-of-the-art built-in Augmented Analytics provides a guided path for users to easily and quickly integrate and analyze maintenance and recorded QAR/CPL flight data using tens of thousands of flights for more accurate prognostics – all without the need for specialized data science or programming skills.

Benefits

- Improve data analysis by implementing an automated tool that eliminates manual and time-consuming management of complex data

- Leverage machine learning algorithms to quickly identify problem areas and trends through powerful visualizations

- Increase schedule reliability by determining the best time to replace and repair components to maximize useful service life and minimize disruption

- Create and deploy custom alerts to suit your operation's unique operational needs

- Reduce unscheduled maintenance events to improve airplane availability, optimize maintenance costs, augment parts and inventory management and enhance passenger satisfaction

- Integrate with other Boeing airplane health management solutions for single source alert monitoring

Insight Accelerator is part of the Flight Data Analytics suite, which includes advanced analytics solutions developed by aviation experts around a common flight data processing core. Built to handle recorded flight data from tens of thousands of flights along with other contextual data sources – the core technology provides secure, tailored access to a shared data set across an operation. Each solution in the Flight Data Analytics suite leverages integrated data analytics capabilities, enabling better decision making based on factors that have the biggest impact on safety, efficiency, and the bottom line.

Fuel Dashboard Pilot Insight Emissions Reporter	FOQA/FDM	Predictive Maintenance Insight Accelerator	Self-Service Analytics

The Flight Data Analytics suite is part of Flight Data Connected Airplane Strategy that delivers a fully integrated end-to-end automated solution - from airplane to QAR/CPL raw data to processed data to analytics solutions – giving operational insight for increased reliability and availability and lower risk and uncertainty.