



# YOU DON'T HAVE TO BE A DATA SCIENTIST

BENEFITS OF

## BOEING INSIGHT ACCELERATOR

The priority of every airline is to reduce Aircraft on Ground (AOG) events. Doing so helps improve operational efficiencies, keeps your passengers happy and your planes where they belong—in the air. Flight data analytics is key to ensuring that this happens by turning unscheduled maintenance events into scheduled ones.

### AIRPLANES ARE GENERATING MORE DATA TODAY THAN EVER BEFORE.

Processing and managing all that data can be overwhelming and complex.



In 2026, all aircraft worldwide will generate 98 exabytes of data—that's 98 billion gigabytes of data.

Introducing **Boeing Insight Accelerator**, an advanced cloud-based solution that puts accurate and valuable insights into the hands of all types of users within your organization—no data coding or programming skills required.

Let's take a look at the benefits of Insight Accelerator and the value it brings to your airline.



IMPROVED EFFICIENCY



GREATER AIRPLANE AVAILABILITY



BETTER SCHEDULE RELIABILITY



## IMPROVED EFFICIENCY

Insight Accelerator is a do-it-yourself solution that gives users the power to better understand increasing volumes of aircraft data, uncover insights and make smarter maintenance decisions.

### Boeing Insight Accelerator:

- Utilizes built-in machine learning, which enables analysis from multiple integrated sources to quickly identify trends and eliminate the need for time-consuming data crunching.
- Provides full-flight data that empowers operators to derive prognostic insights and create tailored alerts for effective predictive maintenance.
- Is the first analytics solution of its kind to offer customized alerts based on the unique needs of your operation.
- Integrates with other Boeing maintenance tools, including Airplane Health Management, allowing alerts to be displayed and monitored in one central location for greater context and correlation.



## GREATER AIRPLANE AVAILABILITY

The cost of an AOG is tremendous – the average cost per cancelled flight can be as high as **\$130,600**. But it's not only a financial hit—your airline's brand and reputation can suffer, as well.

Through post-flight analysis, operators gain insights to help them create their own custom alerts for effective predictive maintenance. Predicting part degradation and failure before it happens and moving to planned or scheduled maintenance means improving airplane availability and overall airplane health with fewer delays, happier passengers and greater cost savings.

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## BETTER SCHEDULE RELIABILITY

Along with reducing AOG events, your other priority is keeping customers happy. Insight Accelerator and its predictive maintenance capabilities allow you to determine the best time to replace components. This results in fewer disruptions, more on-time flights and greater optimization of your aircraft service life, as well as a better passenger experience.



## EXPLORATION MODULE

The Exploration Module is a key feature of the Insight Accelerator solution. It integrates Quick Access Recorder or Continuous Performance Logging (QAR/CPL) full-flight data with numerous other maintenance data sources. Powered by machine learning and artificial intelligence, the Exploration Module offers easy, guided exploration and powerful visualizations that allow you to observe data trends and discover insights to pre-emptively perform maintenance and avoid the high impact of unscheduled replacements.

### FOR EXAMPLE

The Exploration Module can assist with evaluating flight data patterns in air temperature and pressure sensor measurements from certain components to help detect anomalies.

Insight Accelerator is one of several advanced analytics solutions within the Flight Data Analytics platform. The suite of advanced solutions helps airlines utilize big data to realize significant savings and optimize safety, efficiency and the bottom line.

Let Boeing Insight Accelerator deliver more value to your airline by deriving more value from its data.

LEARN MORE AT [SERVICES.BOEING.COM/INSIGHT-ACCELERATOR](https://services.boeing.com/insight-accelerator)

