WHERE DATA AND SYSTEMS EXPERTISE TAKE FLIGHT

A more intelligent, data driven analytics service
Every day, on every flight, a vast amount of data flows into and out of the Collins Aerospace systems on your aircraft.

At Collins, we understand what data is important and how to make it valuable for you. We have the design, manufacturing and integration expertise to deliver the most robust analytics services for our aircraft systems.

With our Ascentia® advanced data management and analytics services – including prognostics and health management (PHM) – we gather, filter and analyze your data, then leverage it to help improve your airline operations. Ascentia is helping to make the world’s best airlines even better.

Informing, then empowering

Ascentia uses three core data analysis methods to make airline operations more reliable:

- Physics-based modeling
- Statistical analysis
- Machine learning

With insights from these methods, our technical specialists apply deep systems expertise, providing you with predictive maintenance recommendations to support preemptive repairs. You’ll have the expert guidance you need to improve dispatch reliability, reduce unplanned maintenance and optimize maintenance schedules.

PROVEN RESULTS

- **~30%** decrease in potential delays¹
- **~20%** decrease in unscheduled maintenance²

¹ Related to Collins Aerospace components: 30% decrease in potential delays and cancellations related to components and systems monitored on the Boeing 787 fleet

² Related to Collins Aerospace components: 20% decrease in unscheduled removals for various components on the Boeing 787 fleet
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Service across your component value stream

When you add our FlightSense® managed services program to Ascentia, you can manage your entire component value stream through the伙伴关系 of Collins Aerospace, your components’ OEM.

Your fleet takes flight

Collins Aerospace has designed and maintains a library of Collins Aerospace components and systems to help chart the path to an intelligent future with your data.

Continuous improvement

Ascentia uses emerging trends in data science for future development of best-in-class analytics.

FlightSense® managed services program

Collins Aerospace leverages emerging trends in data science to inform Rogers maintenance processes to ensure the right data is surfaced to inform more efficient and effective operations.

Continuous improvement

Ascentia’s managed services program includes the latest improvements and best practices.

Advanced analytics for actionable decision-making

Applying our systems expertise to your data, we anticipate trends and issues before they become problems. Your development and customer success leads, and our teams of data scientists and engineers, work together to address any issues.

Proven results

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