

CONNECTIVITY THAT TURNS KNOWLEDGE INTO POWER

Put data to work streamlining
your airline operations



UNLOCK BIG DATA ADVANTAGES

Access the benefits of the digital airline

First, it was the digital pilot. Then the digital aircraft. Now begins the next leg through the connected aviation environment: the digital airline.

It offers advantages you've long wanted. Benefits that span your operations – all accessible when it's possible to gather, analyze, use and share the data that proliferates throughout aviation's ecosphere.

What if your pilots could check their electronic flight bag (EFB) during flight to get tailored, up-to-the-minute details on small navigational adjustments that would save a pound of fuel? All driven by parameters on weather, ownship and other in-flight aircraft data.

What if your maintenance department could get an automated alert over low-cost IP links indicating that a specific LRU is reporting a fault, including relevant diagnostic data? Your maintenance crew could be ready with the correct replacement LRU, tooling and procedures to quickly put the plane back in service.

The key to these and a hundred other benefits is connectivity. When you can securely and reliably connect a multitude of nodes across the skies and on the ground – then strategically manage the data from those nodes – you gain advantages that can transform your airline operations.

FOMAX POWER

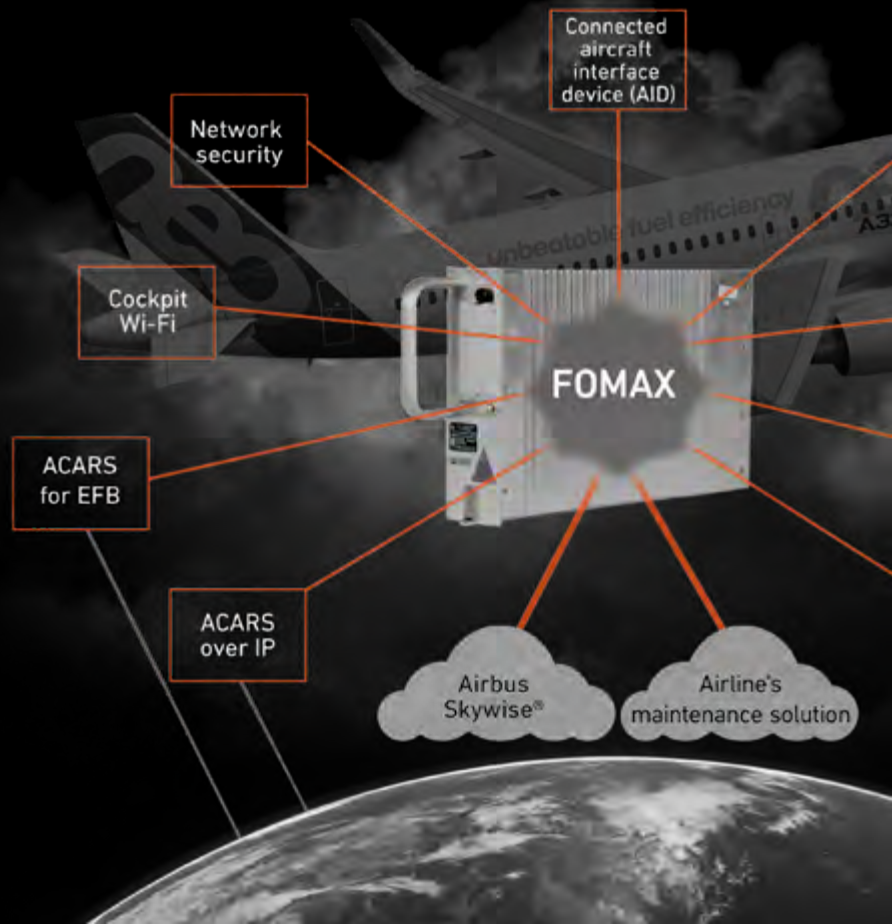
Fueled with Airbus teamwork

Our Flight Operations and Maintenance Exchanger (FOMAX) unit is a line-fit or retrofit system that combines full aircraft interface device (AID) capabilities into a single hardware, software and connectivity solution.

Integrating into your airline operations systems through Collins Aerospace hosted services, FOMAX makes available a tremendous amount of usable data. It can help your pilots, maintenance departments and back offices operate with greater awareness, safety and efficiency.

FOMAX is the only total connectivity system that integrates directly with Airbus' optional Skywise® aviation data platform. The reason is simple: We teamed with Airbus throughout FOMAX's development, ensuring that the system and platform perform as one.

See how the elements of this close collaboration can streamline three major areas of your airline.



FLIGHT DECK

Connected EFB – Secure connectivity for your tablet EFB and all of the applications you use. Widen your pilots' situational awareness to increase safety and save fuel by making the EFB a strategic, customized data hub.

Our optional AOC on PED EFB application lets your pilots communicate via their on-board EFB with the Airline Operational Center (AOC) over ACARS or Internet Protocol (IP).

Massive data – This on-board unit helps acquire massive amounts of usable avionics data. For the Airbus A320, that means 24,000 parameters instead of 400; for the A330, 40,000 parameters instead of 1,500.

OPERATIONS

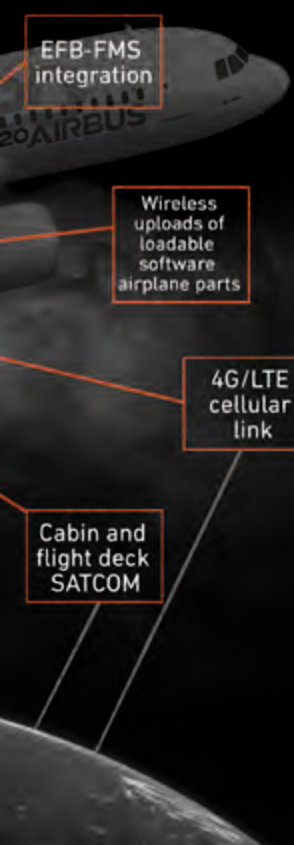
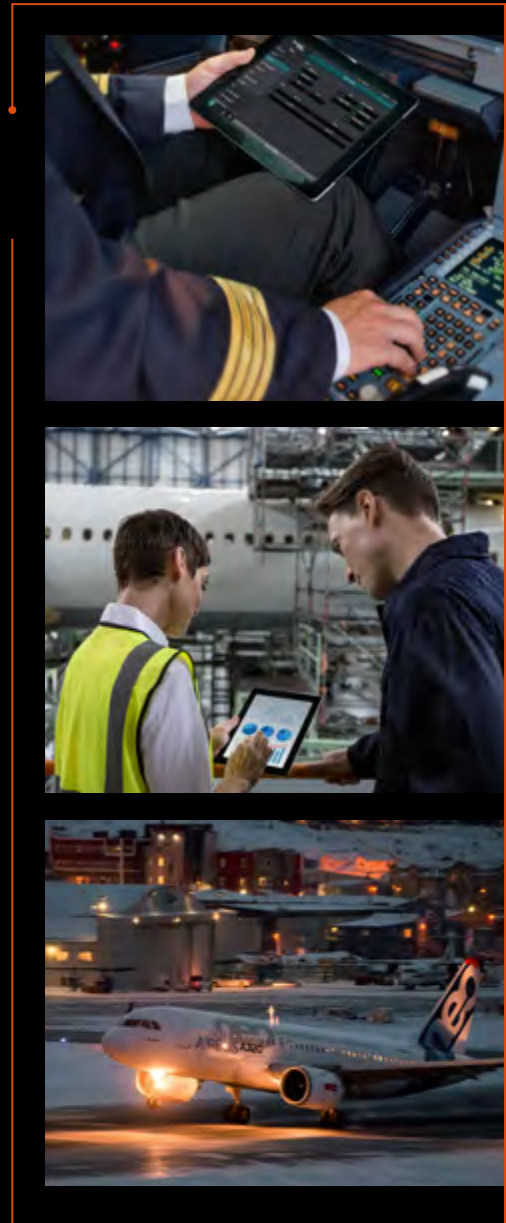
Predictive maintenance – You can activate the collection and downlinking of the highest value aircraft and engine data to enable big-data analytics. Transition your operations from unscheduled to scheduled and from reactive to proactive.

Flight safety and efficiency – Collect the QAR, DAR and SAR data as it's generated and securely transmit it after every flight for use in your Flight Operations Quality Assurance (FOQA) programs. You're assured that this sensitive data stays confidential and secure.

GROUND SYSTEMS

Collins Aerospace GlobalConnect™ connected airline solutions – Air-to-ground communications that smoothly transition and manage your new IP data. GlobalConnect is a hosted solution for the integrated operations of your whole fleet.

Administrative office – Information flows from each node in your network to your applications the moment it's acquired. Our ground components further integrate your airline operations, IT and business intelligence (BI) to save you time and money across your enterprise.



ONE COMPANY DOES IT ALL

You can rely on a single source to deliver the right know-how for your most secure, responsive and capable connectivity system.

- GlobalConnect comes complete with its own IT services for airlines
- Best-in-class cybersecurity software and hardware tested to exceed the latest OEM and regulatory standards
- You can count on our decades of experience providing aircraft data networks and communications capabilities to airlines worldwide
- Collins Aerospace delivers products, systems and services across the entire ground-to-air spectrum, so your system installation and operation will be in good hands from start to finish

To learn more, go to
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