

**OPERATIONAL ADVANTAGE.
NOW.
BRING IT ON**

Inmarsat Aviation is the market-leading connectivity innovator for all digital aircraft operations. We will help you tap into the ‘power of now’ – real-time operational insight, available today – to speed your digital transformation. Accelerating digital aircraft operations will unlock millions of dollars of cost savings for your airline through connected applications like graphic weather, long haul flight optimisation, in air flight briefs, virtual crew rooms and other innovative solutions. You may be able to start these savings right away based on equipment already on board your fleet.

EVOLVE YOUR OPERATIONAL CAPABILITY

Our operational connectivity solutions bring immediate benefits and prepare you for the future. You can count on us to continue our demonstrated track record of providing you with innovative and continually evolving services.

Fuel savings

Flight route optimisation and trajectory-based operations save time and fuel. EFB apps, such as route manuals and real-time graphical weather, assist efficient flight paths.

Better asset utilisation

Pre-position parts for improved turnaround time through air to ground tech log notifications, and reduce medical diversions with the capability of real-time video enabled by telemedicine services.

Reduced delays

Connected operations boost efficiency and safety across pre- and post-flight reporting, flight planning and logistics, reducing the potential for delays and minimising disruptions.

Reduced emissions

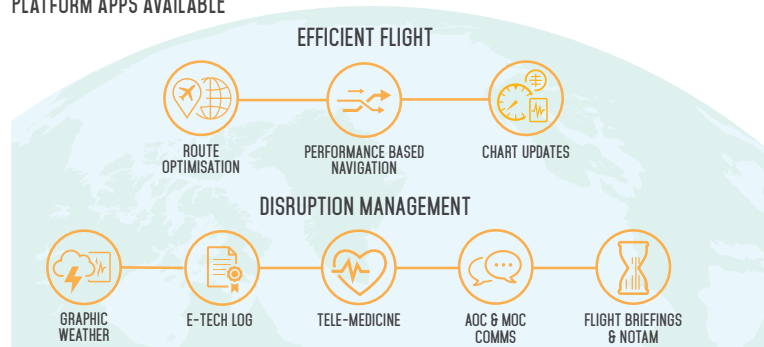
Fuel saved means lower emissions. Enhanced digital capabilities from IP connectivity enable 4D trajectory management initiatives, lowering emissions and enhancing safety.

Many airlines already have technology installed to benefit from these operational savings immediately. We will accelerate your access to digital aircraft operations, meaning better return on your current investment.

UNLOCKING CONNECTED EFB APPLICATIONS NOW

Our operational connectivity solutions bring unprecedented amounts of data securely into the aircraft. Through our Certified Application Provider (CAP) Programme, we’re driving innovation of connected Electronic Flight Bag (EFB) applications to give pilots detailed, visualised information about aircraft performance, help avoid bad weather conditions and save fuel.

PLATFORM APPS AVAILABLE



ECONOMIC BENEFITS OF OPERATIONAL CONNECTIVITY

According to a recent study by the London School of Economics, connected airline operations could save the airline industry US\$15bn a year* by 2035. With the power of IP connectivity, savings and efficiencies could emerge in the following key areas:

AIRSPACE MANAGEMENT



Optimised flight planning applications are estimated to yield 2-3% fuel savings per flight

REDUCED DELAYS



IP connectivity for weather tracking applications could result in annual fuel burn savings of US\$30,000 per aircraft

MAINTENANCE EFFICIENCY



Virtual crew room applications are estimated to reduce crew related delays by 50%, saving US\$1.8bn per year

*Sky High Economics Chapter Two: Evaluating the Economic Benefits of Connected Airline Operations

COMMITMENT TO DELIVER AN EVER-EVOLVING SERVICE

SB-S, Inmarsat's next generation operational satcom solution, is delivered over Inmarsat's robust and secure L-band network, improving security and segregation of mission-critical data. Many global airlines are now flying with SB-S and benefiting from secure, real-time information for digital aircraft operations.

DRIVING INDUSTRY INNOVATION

SB-S enables digital transformation of the aviation industry. It powers the Iris programme, which provides a satellite datalink for ATM modernisation and facilitates 4D trajectory-based airspace management. And, as part of ICAO's GADSS requirement, SB-S unlocks capabilities like flight data streaming via Black Box in the Cloud™.

THE IRIS PROGRAMME

A SECURE, SATELLITE-BASED DATA LINK TO RELIEVE CONGESTED RADIO FREQUENCIES



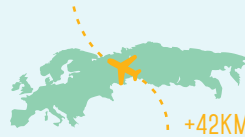
EUROPEAN AIRSPACE IS UNDER PRESSURE



Expected increase in the number of flights across European skies over the next 20 years



Approximate number of passengers that will pass through Europe's 440+ airports in 2035



Average distance an aircraft flies farther than necessary in Europe due to fragmentation of airspace

- Increased airspace and airport capacity
- Fuel savings and reduced emissions
- Reduced delays and flight times
- Efficient air traffic flow management
- ATC speed and accuracy
- Assured next generation security

INTELLIGENT HANDLING OF ESSENTIAL DATA AND COMMUNICATIONS

SB-S is the only operational satcom solution today that can provide three types of capabilities:

ACARS Communication

Automatic Dependent Surveillance
- Contract (ADS-C) global flight tracking and Controller Pilot Data Link Communications (CPDLC) applications

Prioritised secure IP

A connection that provides additional availability and security on IP data throughput for Air Traffic Safety (ATS) Voice & Data Communications

IP Channel for EFB applications

Voice and communication channel for Airline Ops Center digital aircraft operations, i.e. EFB



LIGHTWEIGHT, LOW-DRAG EQUIPMENT

SB-S terminals are small, light, efficient and generate negligible drag compared with existing systems.

Weight: Up to 9kg

AVAILABLE FROM OUR TRUSTED PARTNERS

Inmarsat operational satcom solutions are available as line and retrofit options with major aircraft manufacturers. Our global network of distribution partners offers tailored service packages to meet varied bandwidth demands, as well as advanced cockpit applications and value-added services to help optimise benefit from your investment.

FOR FURTHER INFORMATION ABOUT SB-S, PLEASE CONTACT:

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For more information, please visit us at [InmarsatAviation.com/SB-S](https://www.inmarsat.com/aviation/sb-s)