

# **Cutting Carbon Emissions** for Global Airlines

As airlines set out to achieve their sustainability goals, Intelsat is helping them get there with new technology—and the power of stronger connections.

The Time is Now

Climate change impacts are being felt around the world. There's no better moment than now to step up and make a difference.

### Real Impacts of Fossil **Fuel-burning Aircraft**

939 kg of carbon into atmosphere

How much a flight from London (LHR) to



7.6%

That's how much emissions must drop per year from 2020 to 2030 to limit global warming to below 2°C.

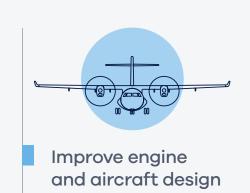
Source: UN Environment Programme, 2020

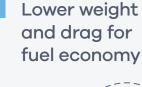
Net Zero

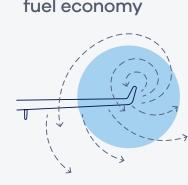
The aviation industry has committed to net zero carbon emissions by 2050.

Source: IATA, Fly Net Zero

#### Paths to Sustainability







airlines to positively impact climate issues, all fueled by critical updates to technology and systems.

There are many attainable ways for



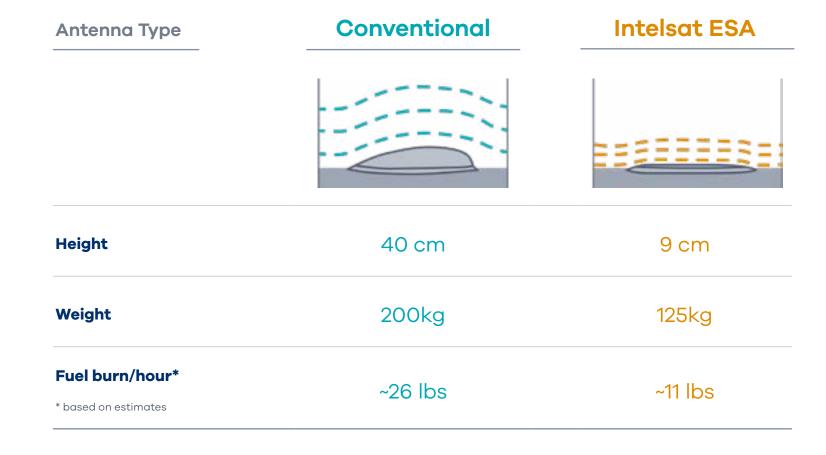
fuel consumption guided by Flight Management Systems' Cost Index information to optimize flight routes

Real-time



#### Making a Difference With Low Drag Technology Using inflight connectivity (IFC) solutions, Intelsat is helping

airlines reduce CO2 emissions.





component reuse and recycling. Its line-replaceable unit modular panels can be repaired and reused, and any upgrades to extend life can be repacked in existing enclosures.

The new electronically steered antenna (ESA) is intentionally built, prioritizing

Reuse | Recycle | Repackage | Repair | Extend life | Minimize drag | Reduce fuel consumption

#### When applying these optimizations to the world's

**Real Time** 

Optimize in

>450M

fleet, it's possible to save:

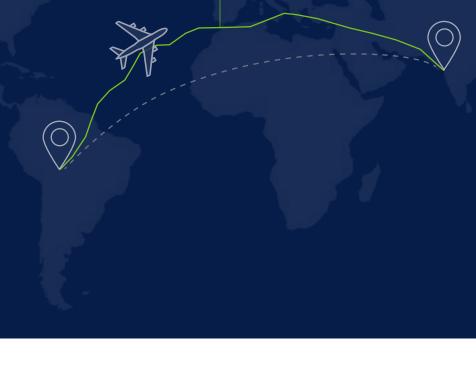
4.5M tons of CO2

gallons of fuel

Putting Intelsat's connectivity technology

to use allows airlines to optimize flights

enroute—rather than only pre-flight.



## **Reaching Sustainability Goals** There's more than one way to do good.

The Flight Path to



## less fuel. And less CO2.



## **Good for Passengers**

connectivity experiences, pole to pole, gate to gate.

Low latency <100 ms

**275 Mbps** 

High-throughput



alternative trajectories could save the airline:

>1 million gallons of fuel

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>110,000 minutes of flight time \$5.15 million annually

can help airlines drive impact against climate change, and realize a sustainable path forward in the industry.

Learn more at intelsat.com/futureofifc

Intelsat's inflight connectivity technology







YouTube