



Business & General Aviation

OneWeb Means Business

Connect with  OneWeb

OneWeb Aviation at a glance.



648

Satellite Constellation

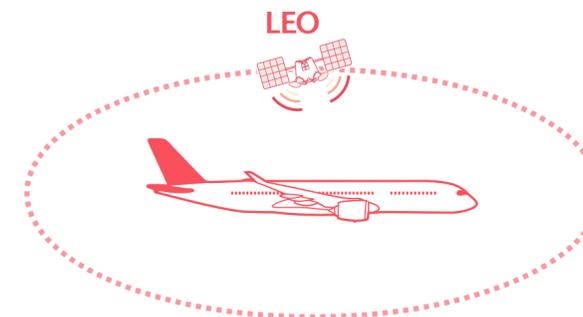
648 satellites giving total global coverage including oceanic and polar routes



>1.1Tbps

Network Capacity

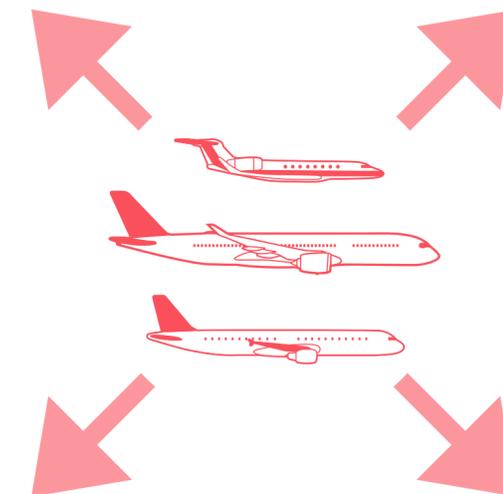
Usable network capacity of over 1.1Tbps



8Gbps

Bandwidth

8Gbps per satellite, hundreds of Mbps per aircraft



Size Doesn't Matter

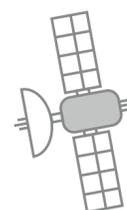
Our IFC solutions are fit for all aircraft types: from wide-bodied platforms to single-aisle, regional and business aircraft

Low Earth Orbit (LEO vs GEO)



LEO 1,200km

<70ms Latency

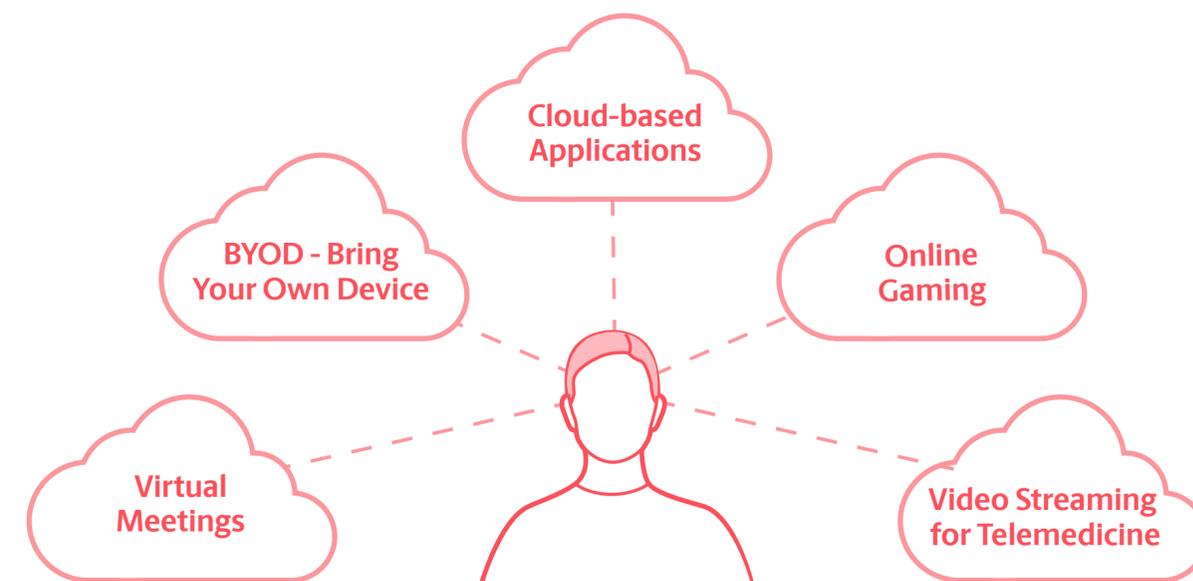


GEO 36,000km

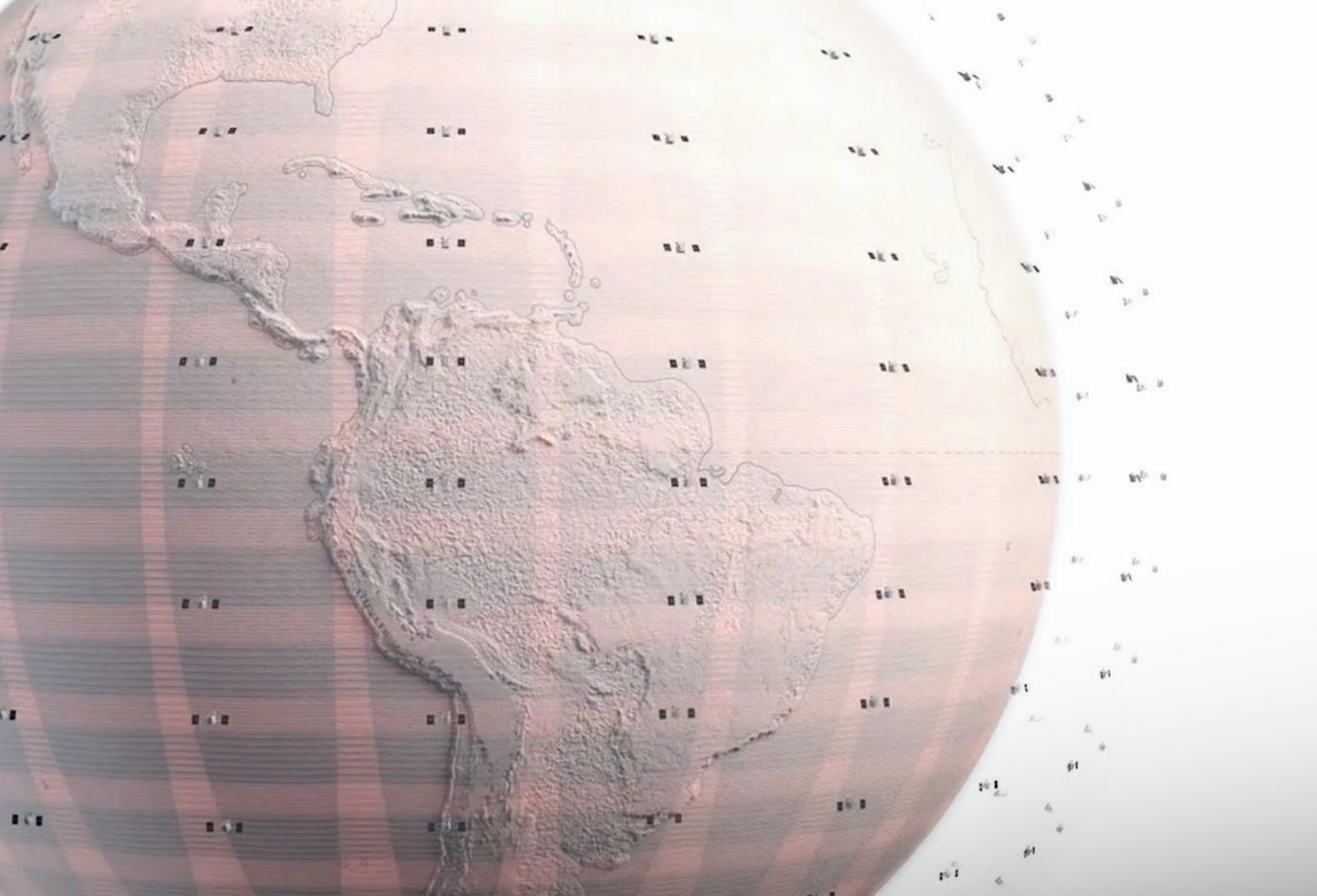
~ 600ms Latency

OneWeb latency of less than 70ms vs GEO latency of 600+ms

Game-changing Applications



Facilitating an in-flight connectivity experience that is driven by imagination rather than bandwidth



The days of having to settle for an inconsistent, interrupted and limited connectivity solution are gone.

OneWeb is building a global satellite communications network that will deliver seamless and uninterrupted in-flight connectivity globally.

We've already begun launching our initial operational fleet of 648 high-tech, high-performance Ku-Band satellites into low Earth orbit and we remain on mission to deliver aviation services by 2023.

From day one, our satellites will deliver seamless global coverage, over land, over sea and over the vital polar routes. Business jet operators will benefit from game-changing connectivity, with unparalleled bandwidth for all users. Our constellation will enable continuous, high-speed connectivity for passengers and deliver tangible operational benefits for operators worldwide.



Fit for aviation

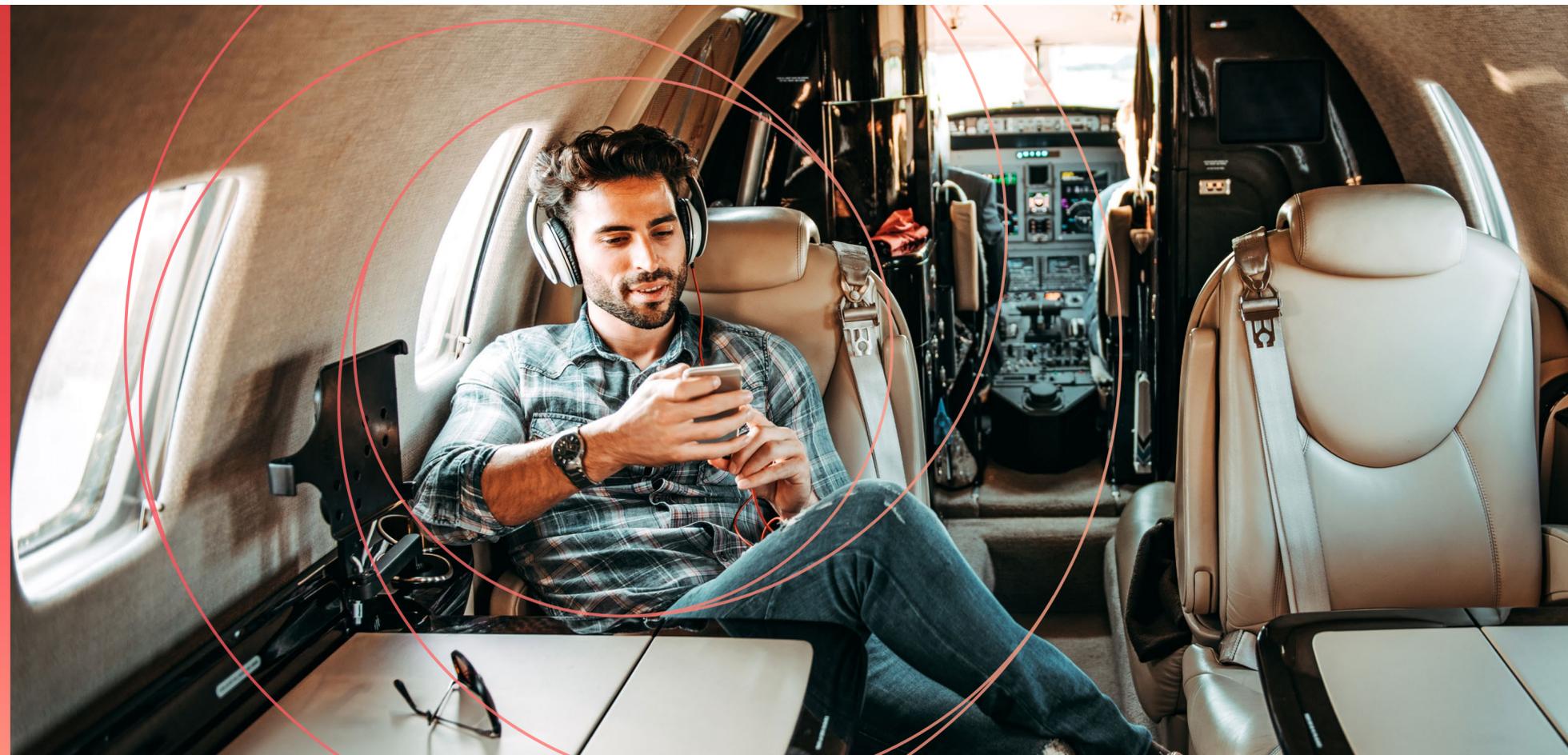
Our solutions are designed for the unique needs of the business and general aviation sector and will finally deliver on the promise of a seamless, uninterrupted and consistent online experience in the sky.

The provision of fast, reliable and always-on in-flight Wi-Fi can no longer be considered a brand differentiator – it's a prerequisite for today's connected corporate passenger.

With globally consistent performance comparable to terrestrial services, delivering hundreds of Mbps per aircraft and latency of less than 70ms – over every continent, every ocean and even in the polar regions, OneWeb is transforming the airborne connectivity experience now and for the future.

We'll enable corporate jet departments, charter operators and fleet managers to offer their principals and passengers an in-flight connectivity experience that means business. For example, cloud computing, virtual meetings and online trading will finally be seamlessly accessible in the air, maximising passenger productivity. When it's time to relax, our fibre-like speeds and low latency will deliver entertainment that's limited only by imagination – not bandwidth.

OneWeb is transforming the airborne connectivity experience now and for the future.





Our next generation in-flight connectivity will enable the digitisation of the business aviation industry.

Regardless of the aircraft type, mission and configuration, our solutions will serve the whole plane – from nose to tail, from pilot to principal. We'll connect the cockpit, ensuring the flight crew have access to the latest weather information, flight planning applications and other useful applications via their EFB.

VIP Flight attendants will be empowered to add value to their passengers' experience - accessing emails, itineraries, concierge and catering services at their workstations, or on their handheld tablets.

Business aviation is a business tool, but it also has a bottom-line, regardless of whether you're a charter operator, corporate flight department or owner/operator. Installing OneWeb' future proof connectivity technology will increase the resale value of aircraft.

Connect with ease

- A truly office-equivalent connectivity experience
- Globally consistent performance - including polar regions
- Enhanced passenger productivity and entertainment
- Real-time crew applications
- Increased resale value





Our next generation satellite technology and innovative terminals mean there is now a connectivity solution for every aircraft.

At present, the antennas needed to deliver in-flight connectivity are large, unwieldy, heavy – and expensive. Through strategic partnerships with industry-leading avionics suppliers, we're creating next generation user terminals and antennas unique to business aviation and unique to OneWeb.

These electronically-steered-antennas (ESA) promise to be considerably lighter than traditional mechanically steered antenna technologies, with a significantly reduced profile, reducing drag and fuel burn.

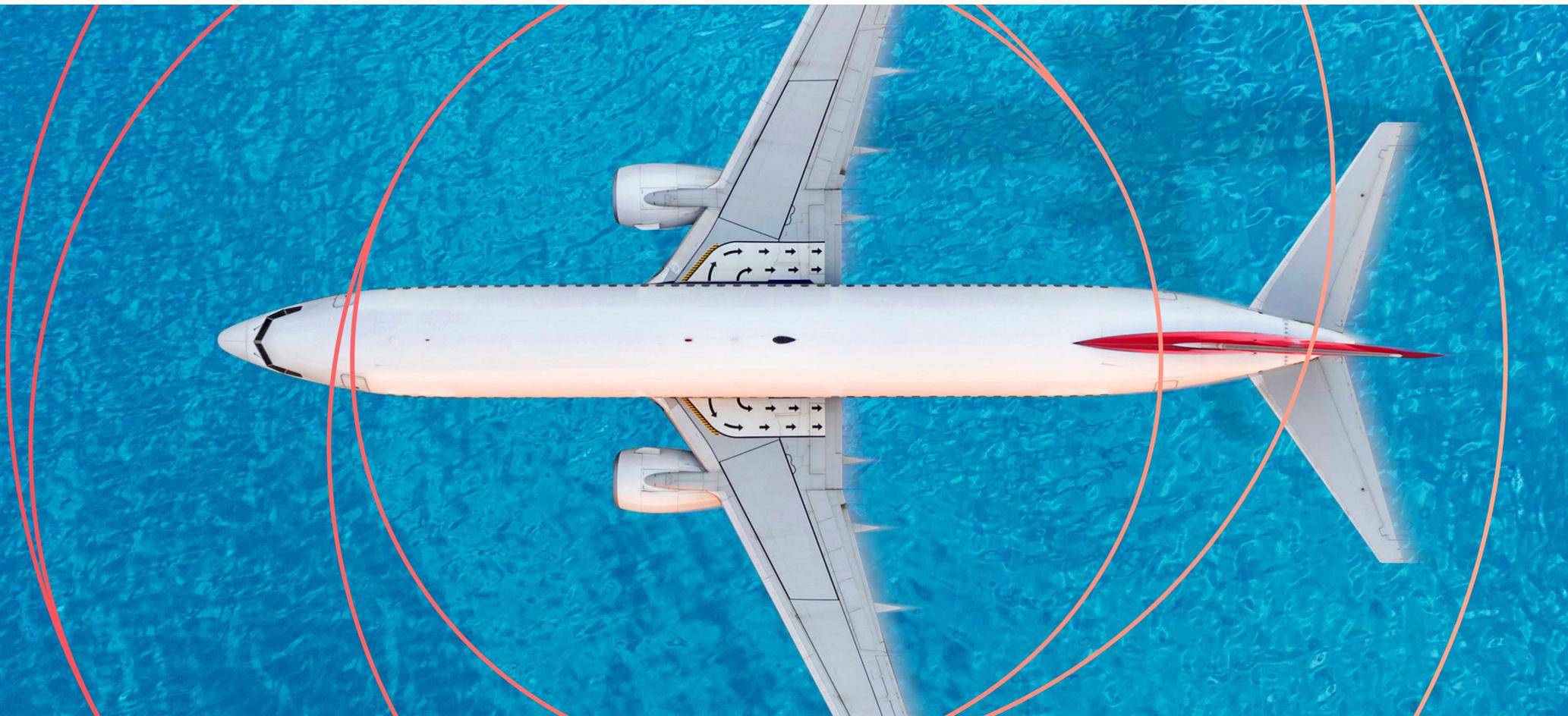
Our range of next generation hardware, the first of which will be ready for flight testing and certification in 2022, is engineered to be suitable for all business and general aviation aircraft, from large corporate bizliners, to super light jets, special missions aircraft and even turboprops. With no moving parts, these ESAs will also deliver significantly

increased reliability and an improved MTBF versus current industry standards, reducing maintenance costs and operational disruptions.

Purpose-designed, software-driven terminals will interface between the OneWeb service and your existing in-flight entertainment, connectivity and Wi-Fi systems.

Connect with confidence

- Next generation antenna design and performance
- Range of antennas for all aircraft types
- Complements legacy GEO services
- Purpose designed software for ease of management



**Partnerships to deliver
the next generation
in-flight connectivity
experience.**



We are building a network of world-class and trusted partners who will design and manufacture our terminals, seamlessly integrate OneWeb services within an operators existing cabin management system and develop applications and value-added solutions to help turn OneWeb's vision for aviation connectivity into the new reality.

OneWeb is uniquely placed to assist operators who are looking to upgrade their aircraft with broadband connectivity for the first time, in order to meet the demands of the modern passenger. Our next generation technology solutions and experienced partner network will ensure you select and install the optimal solution to deliver a unparalleled, and sustainable

connectivity experience – with ongoing technical support only ever a call, or a click away.

We're ready to work in partnership with the business jet, general aviation and special missions operators, offering flexible solutions from the outset. OneWeb will listen to customers and work to provide optimised solutions and tailored packages to ensure a predictable, cost-effective spend whether you have one aircraft or an entire fleet.

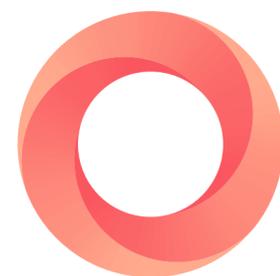
Connect with more

- World-class trusted partners
- Minimal installation time
- Optimised solutions for flexibility and scale



Connect with OneWeb

To find out more about how OneWeb can upgrade your in-flight connectivity and transform your passenger and crew experience contact aviation@oneweb.net



OneWeb

oneweb.net/aviation

  
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