

# Advancing Aviation



# Global data for enhanced surveillance, analytics, and innovation

Aireon's one-of-a-kind, space-based Automatic Dependent Surveillance-Broadcast (ADS-B) data stream is bringing unprecedented levels of safety, efficiency, and environmental responsibility to the aviation industry.



Since 2019, the world's Air Navigation Service Providers (ANSP) have trusted Aireon to provide its high-fidelity global dataset to enable the safe and efficient management of aircraft through their airspaces. Powered by Iridium's networked constellation of 66 satellites, Aireon's ADS-B data provides continuous air traffic surveillance to areas of the world that previously had no access to this information, including over oceans, polar regions, mountainous regions, jungles, deserts, and conflicted airspace.

Beyond air traffic surveillance, Aireon is leveraging its reliable and trusted data into a family of products for the wider aviation industry, including airlines, airport operators, airframe manufacturers, system integrators, and military and intelligence agencies. With its portfolio of diverse products, Aireon is enabling new levels of insight into air operations around the globe, leading to more data-driven decision making, safer operations, and less impact on the environment.



## Unlimited possibilities with Aireon data

### Key benefits of Aireon's ADS-B data

**100% global coverage**  
including oceanic and polar regions

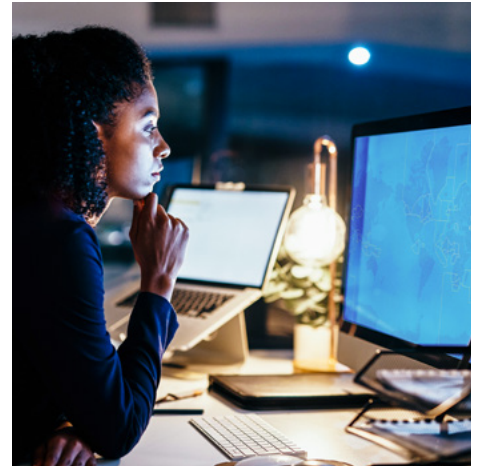
**Trusted, reliable data**  
delivered in real-time

**Optimized routes**  
means lower fuel burn and reduced environmental impact

**Reduction in cost**  
for ground-based infrastructure

Aireon data is providing new ways for global partners to collaborate and stimulate advancement within their airspaces through independent position validation, data analytics, reduced aircraft separation, flow management, and more. Through advanced data fusion mechanisms, Aireon now integrates a robust set of aviation data sources and derived metrics into its own unique ADS-B data.

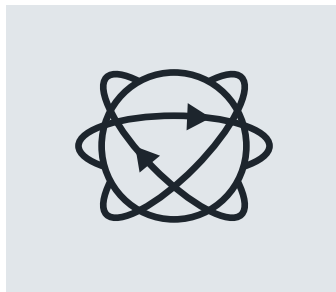
Aireon's space-based ADS-B data fuels the ability to innovate. With global operational data, live or aggregated over time, Aireon's data can be combined with other data sets to provide greater insights, identify trends, and help to focus research and development efforts. Readily accessible, and available with analytics performed by Aireon's highly experienced engineering team, Aireon's data easily integrates into existing applications, accelerating the ability to solve complex challenges and deliver market-leading solutions.



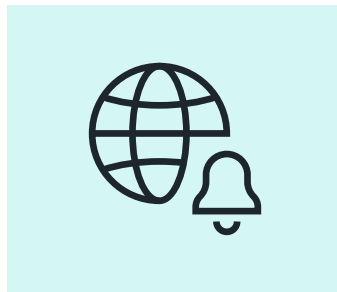
Through continuous development, Aireon is delivering a set of tailored data products designed to provide unparalleled situational awareness and insight into operations.



**AireonSTREAM™** provides a continuous feed of high-fidelity ATS surveillance data combined with contextual flight and airspace information.



**AireonFLOW™** enhances prediction capabilities of flow management and other relevant air traffic capacity and demand platforms.



**AireonINSIGHTS™** brings greater clarity to event-based information, including alert and monitoring, and aircraft search capabilities.



**AireonPORTAL™** is an intuitive and secure customer portal for managing Aireon data.



◀ Nearly 50% of the world's airspace uses Aireon data



◀ More than 40 countries manage their airspace with Aireon data



◀ More than 20 ANSPs trust and use Aireon's high-fidelity global dataset



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