Aireon

ADS-B for Air Traffic Surveillance

ADS-B revolutionized the air traffic surveillance industry, replacing some outdated and unreliable technologies — but not all ADS-B technologies and systems are created equal.

Aireon's space-based ADS-B

Elevating space-based capabilities with the unparalleled Iridium satellite network and trusted data source.

Unmatched global data quality
A single source of reliable, EASA-certified data

Robust aviation data set
Historical data back to 2019 offering greater insights, trends, and research capabilities

The only 100% global real-time network
High-fidelity, low-latency coverage and position validation independent of ADS-B reported position

Over 99% availability
A continuously monitored redundant system and 24/7 Operations Center response

Future ready
Other aviation signals of interest are on the horizon

Terrestrial ADS-B
When operating over land, aircraft position is broadcast via ADS-B to ground-based receivers.

▶ Tracks air traffic movements and provides aircraft positioning, identification, and other avionics data indicators (altitude, airspeed, climb rate, etc.)

▶ Assesses navigation quality

▶ Can help identify avionics anomalies

⚠ Coverage does not extend over oceans or remote areas

Other space-based ADS-B
Achieves the same functions as terrestrial ADS-B while also monitoring ADS-B in regions lacking terrestrial infrastructure support.

▶ Servicing areas where ground infrastructure is not available and/or not reliable, including regionally denied areas

▶ Available in remote areas, including over the oceans and mountains

⚠ Coverage is intermittent over oceanic and remote regions with high latency and lacking full data provenance

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