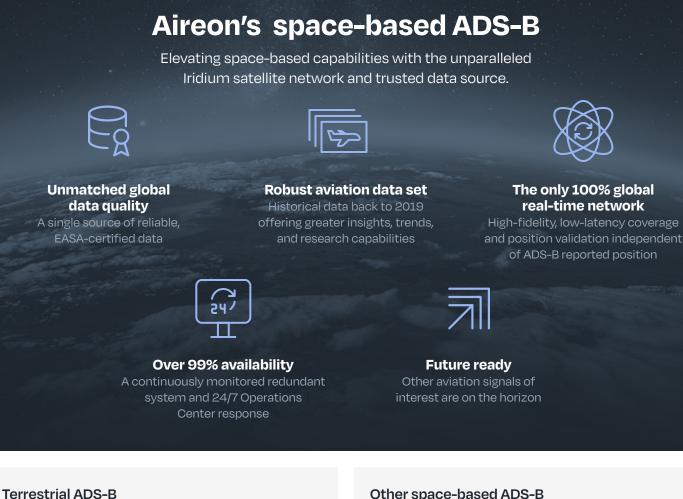


## ADS-B for Air Traffic Surveillance

ADS-B revolutionized the air traffic surveillance industry, replacing some outdated and unreliable technologies - but not all ADS-B technologies and systems are created equal.



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