



Lido Weather

All-in-one, configurable aviation weather solution.

Comprehensive weather data

Weather plays a crucial role in aviation, influencing both flight safety and operational efficiency. As extreme weather events continue to rise in frequency and intensity, pilots require dependable, high-resolution data to make informed, timely decisions throughout all phases of flight. Lido Weather is built to meet these evolving demands, equipping airlines and flight crews with unparalleled insight into current and upcoming weather conditions—ensuring safer, smoother, and more efficient operations.

A complete, integrated weather picture

The Lido Weather module, available for both iPadOS and Windows, provides an extensive suite of weather information designed to support proactive decision-making. Key components include:

- Advisories:** Timely alerts for significant meteorological events that may influence flight routes, airport operations, or in-flight safety.
- Observations:** Real-time weather readings gathered from multiple trusted sources, offering an up-to-the-minute view of conditions.
- Forecasts:** Detailed predictions of evolving weather patterns—including turbulence, icing, temperature, and wind—supporting effective planning before and during flight.

Weather phenomena such as Convection (NowCast), Cloud Top Height, SIGMETs, Volcanic Ash Advisory, Tropical Cyclone Advisory, Turbulence, and Icing Forecasts are displayed on the enroute map as polygons, enhancing situational awareness.

Key benefits & features

Comprehensive weather data depiction



- Improve situational awareness with real-time weather data displayed on enroute maps, including observations and advisories like convection, cloud top heights, and SIGMETs

Enhanced data efficiency



- Optimize data consumption with corridor weather, reducing data by up to 90% while ensuring vital information is always available.

Global coverage



- Worldwide weather coverage, and possibility for off-connection weather data display.

Highest quality weather data



- Powered by trusted providers like Deutscher Wetterdienst (DWD), ensuring the highest level of accuracy and reliability in weather forecasts.

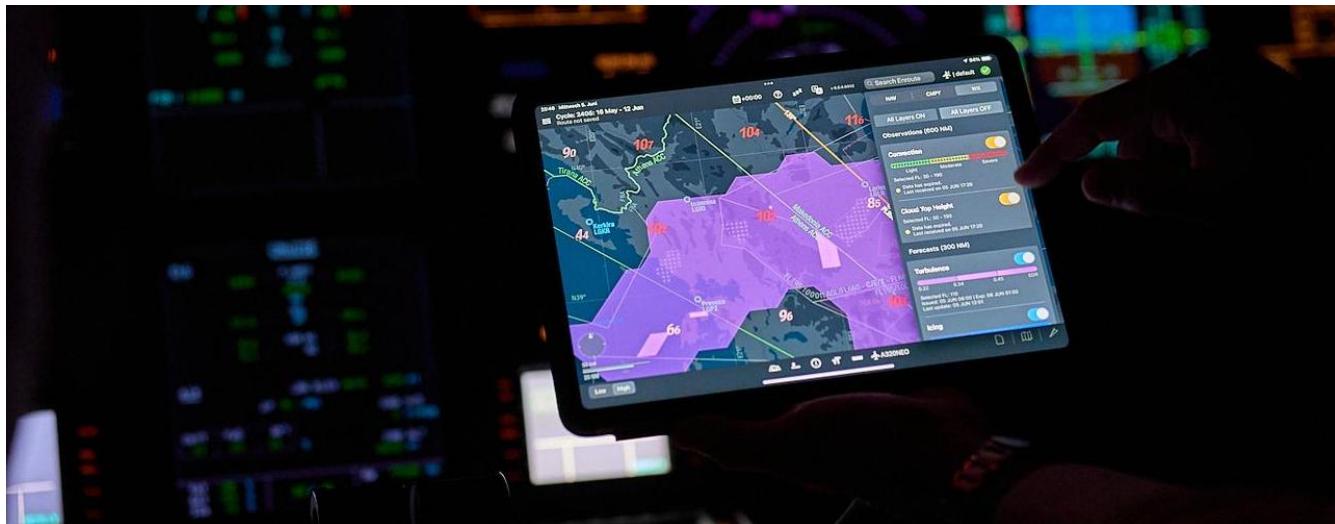
Advanced forecasting



- Leverage turbulence and icing forecasts to make more informed decisions that enhance flight safety and passenger comfort.



Lufthansa Systems



Lido mPilot provides access to turbulence and icing forecasts, aiding strategic flight decisions.

Detailed airport weather

Access textual airport weather information for each airport in your airline's library, including:

- **METAR:** Current weather observation.
- **TAF:** Terminal Aerodrome Forecast.
- **D-ATIS:** Digital Automatic Terminal Information Service (where available).

This information helps pilots make more informed decisions during flight, contributing to enhanced safety and efficiency.

Availability and validity of weather data

Lido Weather connects to the Lido Weather server to provide real-time data. This connection requires an internet connection, but data downloads are automated, eliminating the need for manual updates. Nevertheless, manually triggered downloads are possible anytime.

Data will only be transferred if new data is available.

For uninterrupted access, you can download a weather package to store on your device, ensuring weather data is available even without network connectivity. The availability of this feature depends on the weather data type and provider.

Vertical profile view

The vertical profile view allows pilots to examine weather phenomena in a cross-sectional view. This feature displays weather data 15 nautical miles to the left and right of the planned route, helping pilots understand vertical and lateral restrictions and potential hazards more clearly.

Enhanced forecasting capabilities

Lido Weather offers pilots a deeper level of insight into upcoming atmospheric conditions, helping them plan ahead with greater confidence. The module delivers detailed forecasts for both icing and turbulence, two of the most critical factors influencing flight comfort and safety.

Turbulence Forecast: Produced four times a day using the reliable Icosahedral Nonhydrostatic (ICON) model from Deutscher Wetterdienst (DWD). Each forecast covers a 12-hour window, giving pilots a clear picture of expected turbulence along their planned route.

Icing Forecast: Also updated four times daily, combining the ICON model with the Advanced Diagnosis and Warning System for Aircraft Icing Environments (ADWICE). This provides a robust 12-hour lookahead for areas prone to icing, supporting safer climb, cruise, and descent planning.

3rd party integrations

To further enhance situational awareness, Lido Weather seamlessly integrates turbulence data from **SkyPath** and **IATA's Turbulence Aware** platform. These sources deliver real-time turbulence reports directly to the cockpit, helping crews validate forecasts, anticipate rough areas, and make decisions that improve both safety and passenger comfort.

For more information please contact
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