Lufthansa Systems

All-in-one, configurable aviation weather solution

Lido Weather

Weather plays a crucial role in aviation, influencing flight safety and efficiency. As extreme weather events increase in frequency and intensity, pilots need reliable support to make informed, timely decisions. Lido Weather is designed to address these challenges, providing airlines and pilots with unparalleled weather insights for today and tomorrow.

Comprehensive Weather Data

The Lido Weather module, available for both iPadOS and Windows, offers extensive weather information, including:

- **Advisories**: Alerts for significant weather events that could impact flight operations.

- **Observations**: Real-time weather conditions from various sources.

- **Forecasts**: Predictions for upcoming weather patterns, including turbulence and icing forecasts, to aid strategic planning.

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 traffic by up to 90% while ensuring vital information is always available.

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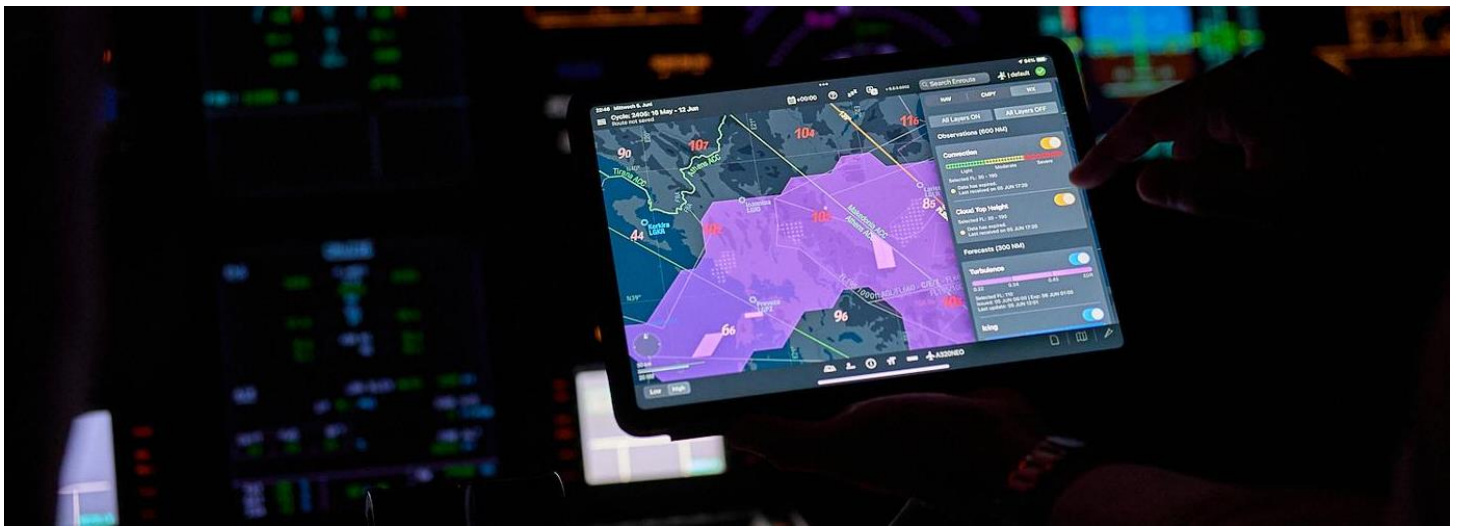Worldwide weather depiction, and possibility for off-connection weather data display.

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.

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 (when 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.

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 provides detailed forecasts for icing and turbulence, assisting pilots in strategic flight planning:

Turbulence Forecast: Generated four times daily using the Icosahedral Nonhydrostatic (ICON) model from Deutscher Wetterdienst (DWD). Each forecast is valid for 12 hours.

Icing Forecast: Also generated four times daily using the ICON model and Advanced Diagnosis and Warning System for Aircraft Icing Environments (ADWICE). Each forecast is valid for 12 hours.

3rd Party Integrations

Lido Weather seamlessly integrates with SkyPath Turbulence Data and IATA Turbulence Aware, providing real-time turbulence insights that enhance flight safety and passenger comfort.

Expired Weather

Visualize expired weather phenomena on the enroute map when data connectivity is unavailable.

For more information, please contact marketing@LHsystems.com