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A new era in flight operations: Lido User Group Conference reveals newest innovations

Raunheim, 23rd May 2024. Lufthansa Systems brought together more than 360 participants from 80 airlines who use their Lido Flight Operations Solutions for their 5th edition of the Lido User Group Conference (LUG). These customers learned about the newest innovations the Lido portfolio offers and how they can collaborate on future developments. Lufthansa Systems presented the three main themes the Lido development is focusing on:

- Empowering users and provide flexibility
- Ensuring the highest level of safety
- Creating savings and cutting emissions

Participants attended various sessions and presentations. Customer presentations further enriched the conference, as the audience got to hear firsthand about KLM's experience of being one of the first airlines to implement the Integrated Flight Support (IFS) for Lido Flight 4D and how Azul uses Lido to build trust, improve efficiency, and reduce extra fuel.

Innovation highlights concentrated on the Lido Flight Planning Solutions, the Lido Pilot Solutions, and Lido Data Solutions:

The next generation from **Lido Flight 4D, IFS, integrates flight planning and flight monitoring into one system**. Thanks to its full automation, it reduces tedious and repetitive tasks, so the dispatcher can focus on key aspects of operation and, therefore, enhances situational awareness. Participants could engage directly with the new system in the IFS Lab or visit the UX Lab, where usability tests were made. Four airlines already use it, and at least two will follow by the end of 2024.

Advanced turbulence and icing forecasts provided by Lido mPilot, the pilot navigation solution from Lufthansa Systems. With turbulence ranking as one of the top hazards for flight operations, there is a critical need for accurate forecasting. Pilots will be able to access up to 18-hour forecasts for both turbulence and icing, presented seamlessly on the enroute map and vertical profile with Lido mPilot.

Significant upgrade to the Lido mPilot experience with its **enriched Airport Moving Map** feature. It includes new map elements designed to provide an even clearer mental picture while navigating airports. For instance, accessing crucial information about hotspot areas is easier than ever. With just a tap, the user can dive into detailed descriptions of specific areas, enhancing the pilot's situational awareness and making the journey smoother.

Easy access to comprehensive aeronautical data with Lido Developer Portal. With the Lido Developer Portal APIs, users can access all available flight information with just one API call. So far, it's possible to directly integrate Lido Surface Data Obstacles and Lido Sky Data Airspaces, Airports and Runways as well as some enroute chart layers. The APIs provide a

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comprehensive set of data properties, and Lufthansa Systems plans to roll out additional APIs and features through the coming months.

In terms of **low visibility operations (LVO)**, airlines can avoid costly flight demonstrations and the time-intensive aggregation and analysis of different data sources with **the new Lido Desktop Assessment Service**. It uses Lufthansa Systems' EASA-certified terrain, obstacle, and airport data in an automated process, leading to the most reliable and accurate suitability decisions.

“Collaboration with our customers is the secret ingredient to the success of our Lido User Group Conference. By creating an environment where users and experts can meet and share their experiences and ideas, we can truly shape the future of aviation together. Together, we aim to improve our solutions continuously, adjusting them effectively to our customers' needs and helping them to unlock their full potential,” stated Philipp Barzen, Head of Lido at Lufthansa Systems.

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