



Air Astana Soars to New Heights with Digital Transformation: **A Comprehensive EFB/EFF Implementation**

Company

Air Astana Group is the largest airline group in Central Asia and the Caucasus. The Group operates a fleet of over 60 aircraft split between Air Astana, its full-service airline that operated its inaugural flight in 2002, and FlyArystan, its low-cost airline established in 2019. The group serves 111 routes across 22 countries, carried 9 million passengers in 2024. Air Astana's modern fleet primarily consists of Airbus and Boeing aircraft with an average age of 5.4 years. ►



Air Astana faced the challenge of implementing an Electronic Flight Bag (EFB) and Electronic Flight Folder (EFF) to digitize and optimize its operational processes.

Challenge

The main requirements included integrating existing software applications, standardizing templates for flight plans, and enabling data synchronization via USB sticks. Additionally, the solution needed to be compatible with various operating systems, including Windows, iOS, and Android, to provide greater flexibility for the flight crew. The airline also encountered significant challenges with its network infrastructure, particularly in its home bases where connectivity for synchronizing EFB updates was unreliable. Moreover, finding a solution for data management and distribution, as well as ensuring long-term hardware support, were critical concerns.

Logipad is an EFB solution, which enables flight crews to perform flight management tasks more easily and efficiently with only one solution.

To address these challenges, Air Astana collaborated with Logipad to develop a comprehensive solution that met all their needs.

Solution

To address these challenges, Air Astana collaborated with Logipad to develop a comprehensive solution with an integration of existing software applications to allow seamless interaction with the EFB and EFF systems. Standardized flight plan templates were implemented to ensure consistent use across the airline. A secure and efficient method for data synchronization via USB sticks was also developed. Air Astana undertook a fleet retrofit, selecting Microsoft Surface Pro tablets as the central EFB devices. This allowed for uniform use across all aircraft types. Logipad also provided extensive training for flight crews, including both computer-based training and practical sessions, to ensure the smooth implementation of the new systems. ►



As a result of these efforts, Air Astana achieved significant improvements in operational efficiency. The standardization of flight plan templates and the integration of software applications led to more streamlined processes.

Results

The flexibility provided by the use of Microsoft Surface Pro tablets and the support for various operating systems enabled the flight crew to work more effectively. The implementation of Logipad helped reduce hardware and software costs by optimizing existing infrastructure and minimizing future hardware investments. Additionally, improvements in data synchronization and network infrastructure led to more reliable and secure data transfers between aircraft and the headquarters. Through these initiatives, Air Astana laid the groundwork for future digital developments. The airline continues to refine its hardware and software configurations as it evolves its long-term EFB strategy.



AT A GLANCE

Top reasons why Air Astana chose Logipad

- Seamless integration
- Standardization
- Device flexibility
- Secure data synchronization
- Comprehensive training

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Logipad by DextraData

Logipad, developed by DextraData Aviation Technologies GmbH – a subsidiary of DextraData GmbH – is a leading provider of advanced Electronic Flight Bag (EFB) solutions, backed by 23 years of specialized expertise in aviation technology and over 30 years in digital transformation.

Embracing an agile approach, Logipad fosters seamless collaboration between IT teams and flight crews, driving significant improvements in operational efficiency through digital innovation.

The platform offers flexible deployment options and integrates effortlessly with existing IT infrastructures. With continuous proactive monitoring and regular performance reviews, Logipad underscores its commitment to advancing aviation's digital transformation journey.