

Achieve real operational value  
with an EFB solution



ProtectPerformPredict



Connect the

## Transformational Benefits

The right EFB solution integrates your aircraft data with ground processes to provide enterprise-wide benefits that transform your airline:

- Reduced operational costs
- Increased aircraft availability
- Improved maintenance readiness
- Increased flight punctuality and safety
- Increased efficiency of operations
- Improved aircraft-to-ground data transfer that is near real-time, highly resilient and secure

# Your airline's profitability depends on your ability to streamline processes

By eliminating paper-based data entry and distribution and improving pilots' access to information, an electronic flight bag (EFB) solution reduces turnaround times, improves situational awareness and cuts administrative costs.

## Why OSyS?

Optimized Systems and Solutions (OSyS) is unique in offering a proven, turnkey EFB solution that minimizes risk, facilitates certification and demonstrates return on investment.

OSyS offers:

- Financial stability and long-term investment and support
- Turnkey integration with the simplicity of a single supplier and the freedom to choose the best applications with no lock-in
- Operational deployment and proven technical and support service

*OSyS, having implemented the world's first connected, full-fleet EFB deployment with electronic tech log, has the experience and the background to address the common concerns of deploying an EFB solution.*

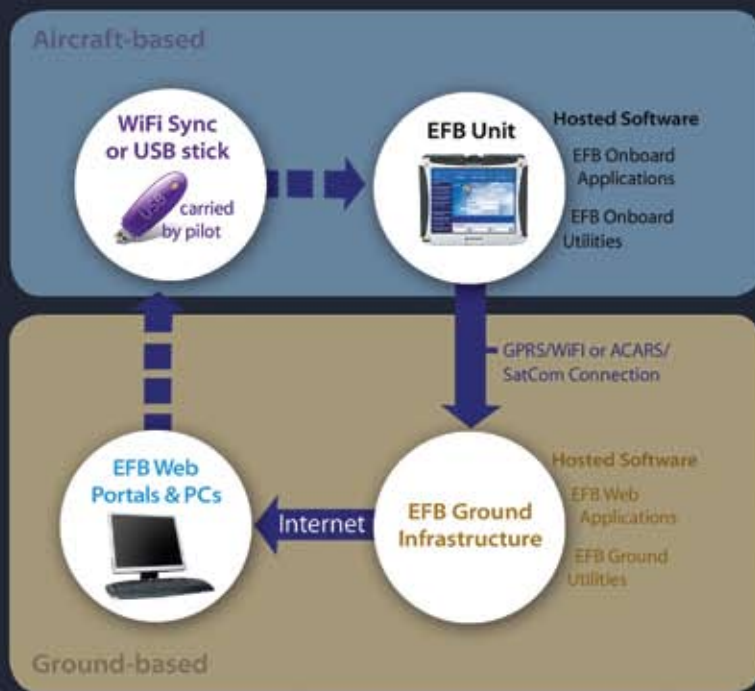
**Technical risk** – Because our software infrastructure has been tested and validated in the rigorous proving ground of real fleet deployment, there's no doubt that it's reliable, dependable and scalable end-to-end.

**Certification** – We have already been through certification with the U.K.'s Civil Aviation Authority (CAA) and have prepared supportive evidence.

**Achieving payback** – Investing in information technology advances and automation is the best path to both face market downturns and grow your business. Because we have the experience with a deployed system, OSyS can work with you to demonstrate how an EFB solution reduces costs and provides efficiencies.

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*An EFB is not an out-of-the-box software procurement.*

*You need a solution that*

- Will give you what you want
- Is configured to your airline
- Links with your existing content, flight briefing and maintenance systems

*By connecting the typically separate worlds of flight operations, flight support, engineers and maintenance crews, OSyS' EFB solution will also enable faster turnaround times and improve fleet performance.*

OSyS delivers the keys to a successful EFB solution, whether you need it to work in a Class I, II or III environment:

- System integrator credentials to provide the best-of-breed solution to meet your needs
- Leading air and ground EFB applications integrated seamlessly
- Implementation and support services right up to a fully-managed solution
- Future-proof technology to support tomorrow's fleet as well as today's
- System support through its operational lifetime



## Freedom to Choose

By managing our own application suite and also hosting tools provided by niche specialists, we give you the freedom to choose what you need while maintaining the security and simplicity of a single provider.

## Flexibility

Our solutions range from enterprise content management on the ground through a full portfolio of applications on board. There's also the option to integrate a single module from our suite into your current EFB environment to complete your picture.

# OSyS' EFB solution



*OSyS' portfolio of EFB application modules comprise the functions that generate high value*

Onboard the aircraft, OSyS' Application Manager provides a secure environment for launching and managing the various system application modules that deliver improved fleet availability and bottom-line impact. Configurable to hosting any tools, this pilot desktop features the following:

- Communication management
- Toolbar-driven switch between open applications
- Failover and synchronization between devices
- Status indicators that give pilots instant awareness of flight-readiness conditions

The modules hosted by the Application Manager deliver capabilities that include the following:

- **Electronic Tech Log** – deep workflow control to ensure quality of the aircraft release process and rapid-entry tools for defect logging; ARINC 429 compatible
- **Journey Log** – crew-hour-tracking and sector-records data capture, including ground-service usage, block times and fuel uplifts
- **Flight Library** – bookmarking, full navigational aids and highly-capable search facilities that reduce pilots' time to locate and access required information
- **Flight Folder** – capability for pilots to annotate and archive electronically-distributed flight plans post-flight and read / acknowledge electronic notices; provides two-way messaging between pilots and ground staff; allows flight support staff to wirelessly transmit last-minute updates or revisions to aircraft anywhere in the world
- **Forms Library** – flexible data-capture through airline-configured form templates that allow keyboard or pen entry, attachments, annotations and pictures; simple validation rules ensure data quality; form data is sent wirelessly to the proper recipient
- **Charts, Weather, and CCTV** – Fast, easy integration of specialist tools for performance, charts, weather and closed-circuit TV allow you to change products whenever you choose

# Our portfolio of applications also covers ground-based administration modules

## Administration

- **Content Management** – A capable content-management solution on the ground is needed to control the onboard document, software and data. Based on the approach implemented by industry leaders, OSyS provides an enterprise-class, fully-scalable product that extends to all parts of your business and even your web content.
- **Content Distribution** – After documents, data and software files are collated with flight plans and notices, our system allows you to distribute them to fleets, aircraft or individuals via wireless connection or USB memory sticks when in low-connectivity regions. It also provides the capability to send time-critical notices and updates anywhere in the world via a GPRS (general packet radio service), ACARS (aircraft communication addressing and reporting system) or SatCom (Satellite Communications) signal.
- **Event Log** – In near real-time, the event log gives you a view of what is happening in your fleet worldwide. From data taken from the Aircraft Management System and transmitted through the EFB channel, you can determine what aircraft are on, in, out or off. You can also access communications open/close events, view messages sent or received, or determine when new content has been downloaded for transfer to an aircraft.
- **Fleet Administration** – This application's tools provide your fleet support team with all the capability needed to view, track and audit each EFB in your fleet, providing an instantaneous view of their condition and allocation.

## Systems Integration

To achieve full value, your EFB needs to be integrated into your existing ground systems such as maintenance management, crew rostering and briefing, flight planning and safety management. Because the OSyS system complies with the ARINC 633 information interchange standards, most of these links can be easily made. If that's not the case, we will work closely with you and your suppliers in order to build the specific interfaces you need.

## Data Center

We also offer hosting facilities in one of our established data centers, which currently manage critical data from 150 airlines daily. This allows you to take advantage of our investment in 24x7, high-availability data processing while reducing the impact on your information technology (IT) infrastructure.





## OSyS – A leader in delivering value from airline data

As a services provider to more than 150 airlines, OSyS is skilled at intelligently using the data flowing through your airline to reduce operational costs, increase aircraft availability and support enhanced safety.

Our team of leading aviation information specialists has the experience and expertise to unlock the full decision-making value from your asset data. Our services acquire, collate, interpret, trend and distribute role-based information to support your key decision-makers, whether in the boardroom or on the ramp.

In addition to the EFB, we offer solutions that provide benefits in a number of other aviation areas, including the following:

- [Equipment health monitoring / aircraft health monitoring](#)
- [Fuel optimization and management](#)
- [Fleet availability and reliability](#)
- [Performance and safety](#)
- [Environmental health and safety](#)

OSyS has more than 400 employees working from offices in the United States and the United Kingdom, providing efficiency-boosting, cost-effective solutions for asset optimization.

Through our industry-leading suite of asset-optimization tools, we deliver high-value interpreted data that translates directly into actionable information. Our solutions allow our customers to evolve through a program of improvements from basic asset protection, to performance management, and on to achieving the highly predictive business where there are no surprises.

OSyS is a wholly-owned subsidiary of Rolls-Royce plc, which allows us to bring together the world-class engineering and controls expertise of our parent company with our own leading information-technology and data-analysis skills, products and services.

[Let us talk with you about your aviation needs.](#)

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