skywise. The beating heart of aviation
Created with the vision to connect the aviation industry and accelerate its digital transformation, Skywise is an open data platform that connects both in-flight, engineering and operational data in an analytic-rich environment.

At its heart, Skywise is about making the right information available at the right time. It leverages the massive amount of data previously locked in company and functional silos across the industry, to create value for all of its players.
Skywise Core

Internal data silos and a high degree of data complexity create inefficiencies, undue costs, and impede effective collaboration with other organizations in the aviation value chain. Fuelled by Palantir Technologies, Skywise Core is the backbone of the whole Skywise infrastructure.

Skywise Core is designed specifically to overcome these challenges and allows airlines to capture, transform, aggregate and arrange these pieces of data into a meaningful picture. Airlines can start on Skywise Core with no initial investment and get tangible results in few weeks!
Skywise Core

• Integrates and connects all data from across the organization, regardless of size or format (MIS, Flight Operations databases, QAR/SAR/DAR, spreadsheets, PDFs, ...).
• Provides best-in-class analytical tooling for technical and non-technical users: by visualizing, exploring, reporting and investigating data right out of the box, users translate data into insights that are relevant to their daily business.
• Offers a suite of plug-and-play workflows that deliver value immediately, developed in partnership with airlines currently using the platform.
• Enables secure collaboration and sharing to facilitate troubleshooting among Airbus, airlines, and suppliers.
Analyze time series data

Build live reports and custom dashboards
Airbus expertise combined with Skywise powerhouse

Skywise Digital Services

Skywise Digital Services leverage Airbus expertise to address common pain points across airlines and support their operations.

Co-designed with airline members of the Skywise community, Skywise Digital Services continuously evolve to include additional capabilities and cover a growing scope of use.
Skywise Predictive Maintenance is a unique combination of aircraft design knowledge and airline operational expertise running on massive amounts of data generated by the Airbus fleet. Skywise Predictive Maintenance provides early alerts of upcoming system degradation and required servicing, supports preventive actions planning and tracking, with the objective of anticipating failures and reducing operating risks.
Skywise Reliability integrates all relevant fleet-wide data and drastically simplifies all types of reliability analysis.

It offers an intuitive point-and-click environment to explore fleet metrics, identify and analyse fleet issues, measure and benchmark fleet performance against the worldwide fleet.
Dynamically coupled with Skywise Reliability and Skywise Predictive Maintenance alerts, Skywise Health Monitoring improves the overall fleet availability by managing aircraft events and their associated troubleshooting in real-time, allowing prioritization and tracking to increase the dispatch reliability.
Analytics – OPTIMIZE is the first tail-centric suite of applications leveraging aircraft data to improve individual aircraft performance. Analytics – OPTIMIZE computes an optimized IDLE factor and an automatic PERF factor to be set in the Flight Management System, based on the real individual performance of each aircraft.
Analytics – PREVENT renews Flight Operations and Safety. It combines Flight Data Analysis and Safety reporting in one single tool to cope with the most demanding Safety Management System requirements, thanks to one-of-a-kind innovative functionalities.
Our in-service fleet is already an incredible source of data. With the objective of increasing drastically the volume of sensor parameters available for analysis, aircraft connectivity has become a strong pillar of Skywise: as started with the A350, our mission is to ensure that every bit of data generated by an Airbus aircraft is used on-ground to create value.

Now with the A320 and A330 fleet, Airbus continues the journey with FOMAX (Flight Operations and Maintenance Exchanger). FOMAX couples nose-to-tail connectivity with a fully integrated data pathway to Skywise: unrevealed amounts of aircraft sensor data are now securely captured, transmitted and analysed by platform users.
Our customers say it best

Johan Lundgren
CEO of Easyjet

Our investment in the Skywise platform can really make a tangible difference for thousands of passengers by harnessing the power of big data to reduce delays. It will transform the way that we maintain and operate our aircraft with the long-term aim of eliminating delays due to technical faults.

Tony Fernandes
AirAsia Group CEO

We want to become a technology airline, and we are thrilled by what we see. Skywise will enable us to reach new insights into the operation of our aircraft, optimise our maintenance, engineering, and flight options decision making, and reduce our costs.

Johan Lundgren
CEO of Easyjet
Skywise Core empowers airlines, suppliers & Airbus to increase reliability, improve safety and decrease operating costs by connecting the industry’s in-flight, engineering and operations data.

**Why airlines choose Skywise**

- **Decrease costs**
  Beyond the significant time-savings of automated reports, Skywise airlines have also optimized fuel costs, increased money-back from warranties, optimized contingency fuel, to name a few examples.

- **Increase reliability**
  Skywise airlines have increased reliability by improving parts inventory, line maintenance tasks and proactive defect management. One airline reported 20 fewer Aircraft on Ground per year thanks to Skywise!

- **Improve safety**
  Interpreting safety data to understand trends and compliance is challenging. Using Skywise, one carrier with ~100 aircrafts reduced time spent on monthly reporting from 3 weeks by a team of 8 to less than 1 day by one engineer.

**Why users love Skywise**

- **Analyze**
  Skywise users can investigate or analyze across systems on one platform - giving one big picture of all your data. You can also analyze more data than before. For example, one airline tracked 89 parts inventory in 10 hours before Skywise and now can track 3566 in under an hour!

- **Collaborate**
  Skywise users collaborate across teams in real-time. Users never have to worry about looking at the latest version of a report, dataset or spreadsheet. One airline’s engineering team reduced time spent versioning a task management spreadsheet from 2 days to zero, thanks to Skywise.

- **Automate**
  Once you build a report, create a search or add an app you can simply save it for next time and it will update automatically. You don’t need to build the same report twice or update the data. An airline Flight Ops team saves 2.5 days a week of reporting thanks to Skywise. Now they create the report in 2 clicks and can focus on taking action!

The ambition of Skywise is to create shared value for the entire aerospace industry, becoming the open data platform of reference used by all major aviation players to improve their operational performance & support their own digital transformation.
Conclusion

Over the past two and a half years, Skywise has grown from a concept to the most robust data asset in the aviation industry. To maximize the value created by Skywise across the industry, Airbus will continue to grow it as a true open ecosystem, bringing together stakeholders around the shared goal of more efficient, reliable, greener and comfortable air transportation, and deeply involving its customers in the development of Digital Services.

For more information on Skywise, please visit services.airbus.com
#letsgetdigital
How to start

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