

# Mobile Backend as a Service (MBaaS)

## Integration

### Data Integration & Data Hosting

#### Connect Flight Operations & Technical Service

Flight Operations and Technical Services data is transmitted immediately from Skypaq servers to core airline IT systems enabling real time management of aircraft.

Alteryx data platform utilized also to allow data analysts within the airline access relevant data -

From this core product, Skypaq have built a complete "Mobile Backend as a Service" (MBaaS) platform.

This model provides web app and mobile app developers with a way to link their applications to the enterprise back office systems through API's (enable programmatic interaction to backend systems) and cloud storage.

## Integration

- Skypaq takes data from various providers
- Data is processed through Skypaq Data Transformation Services (DTS) which is powered by the alteryx data platform
- Skypaq transforms data to aviation standard documents or bespoke transformation e.g. ATA Chapter 17
- Focus is on XML transformation but other conversion can occur
- Skypaq DTS leaves processed files to be distributed.

### Data Integration and Data Hosting – Connect Flight Operations and Technical Service

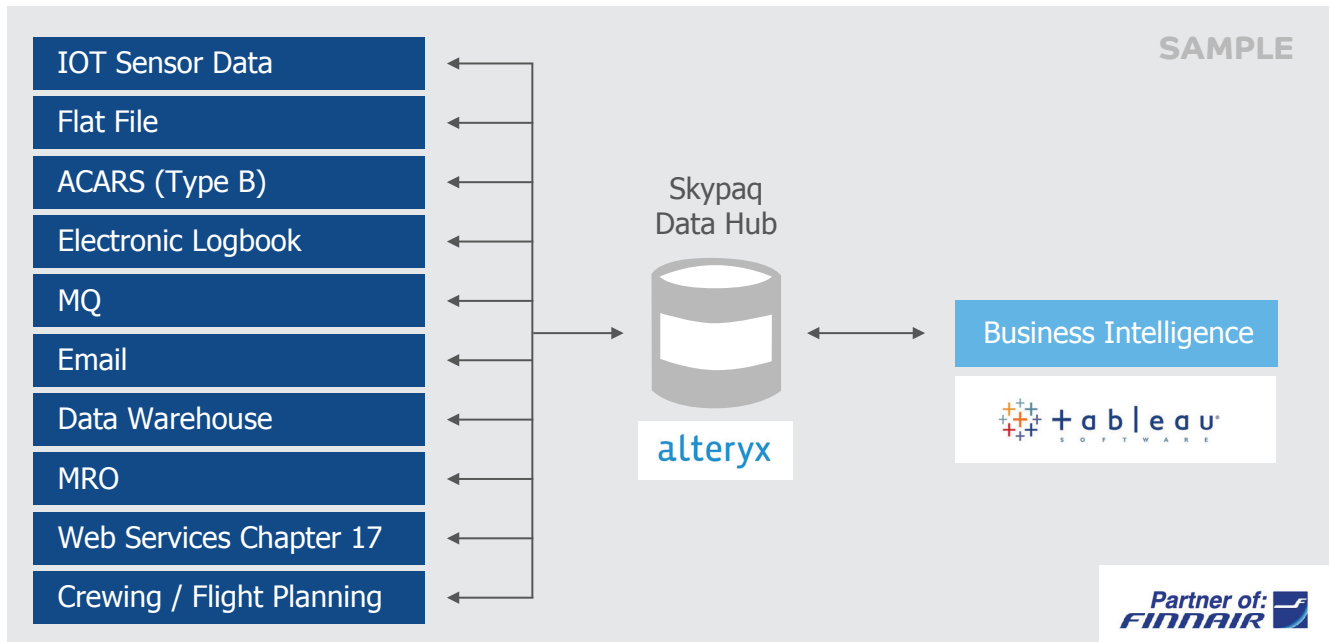
- Skypaq will manage data delivery between flight operations and technical services
- Expertise
- Flight Operations Data Transformation – ACARS (SITA NODE)
- MRO Data Transformation – ATA Chapter 17 or Bespoke Integration
- 2 Way integration between Skypaq and AMOS
- Full data hosting and 24/7 Support
- Alteryx platform used for data blending and advanced data analytics

## Clients



## Partner





## Business Intelligence

### Data analytics for airlines: The wave of the future is here

"The conventional thinking is that leveraging data to this degree is a strategy of the future that requires large investments in an IT infrastructure, or that carriers should wait until they are able to upgrade to new generations of aircraft.

The reality: There are existing opportunities for airlines to increase revenue and cut costs by using data that they are already able to access.

The benefits to an airline could exceed \$100 million annually – including increased profits owing to improved aircraft utilization; savings from the elimination of unnecessary maintenance due to a greater emphasis on as-needed work; and savings from reduced delays and cancellations resulting from more effective preventive maintenance

A phased approach to implementation can be most effective – starting with targeted efforts leveraging existing data sources and eventually including the capture and integration of additional data sources."

#### - PWC

### Summary

- Skypaq will create the software middleware to allow different IT systems transform their data into recognised data formats for the airline / manufacturer.
- Skypaq can also provide the data hosting capabilities to provide a "one stop" solution for an airline.
- Skypaq will provide the business intelligence to enable airlines retrieve full value from their data
- Work with our partners
  - Business Intelligence + a b l e a u +
  - Self Service Data Analysis alteryx

### Preventative Maintenance

"The potential of synchronizing maintenance data with actual sensor data is for sure a key element supporting the development of PdM analytics and pattern recognition models. The fact that the Skypaq eLog system is already synchronized with one of the leading airline ERP tools is a big plus in terms of electronic availability"

#### - SR Technics