

skywise. The beating heart of aviation

How Airbus data analytic platform is helping to solve the
aviation data challenge

MRO Aviation Okinawa – January 2019

AIRBUS

Since 2016, we have structured our approach and demonstrated that digital brings tangible value to Airbus



2016 – Structuration

2017 – Industrialization

- Deployment of first capabilities
- Organizational change

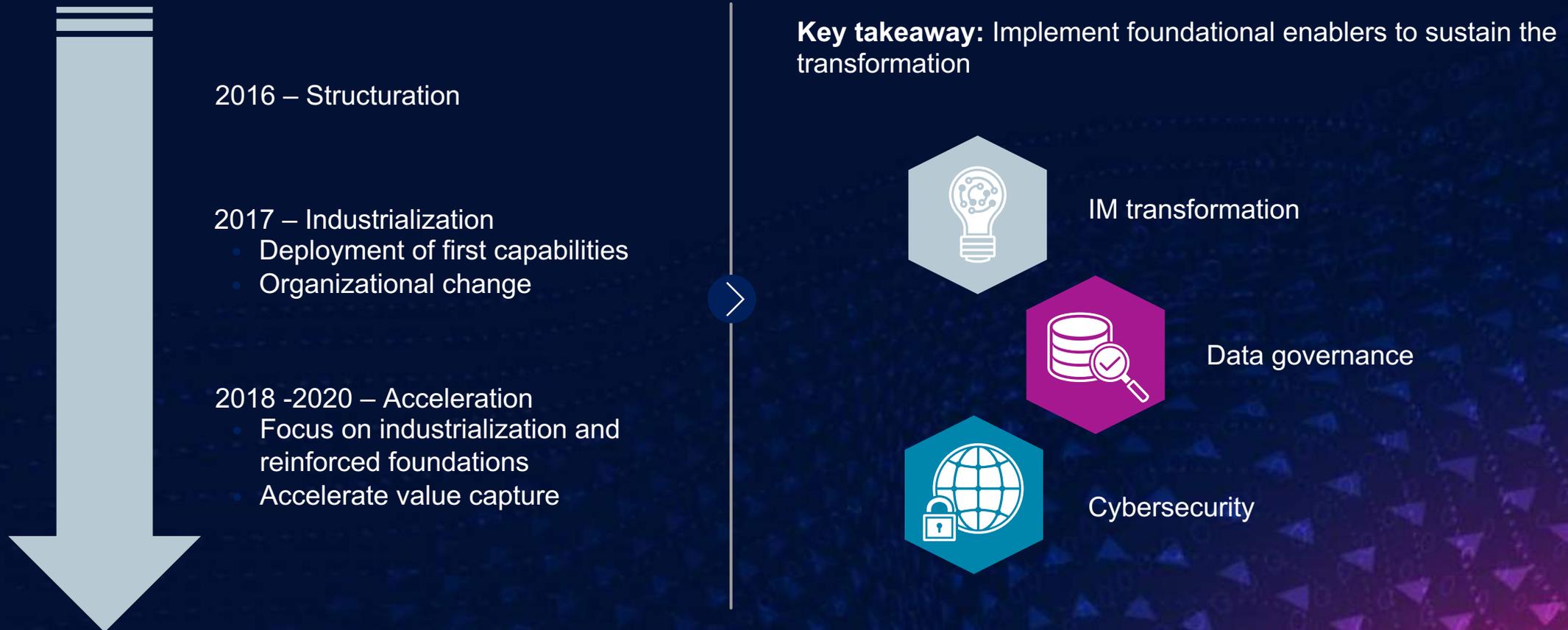
2018 -2020 – Acceleration

- Focus on industrialization and reinforced foundations
- Accelerate value capture

Key takeaway: A clear methodology in place to overcome the industrialization challenge



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Key takeaway: Grow skills, competences and transformation capabilities in Airbus



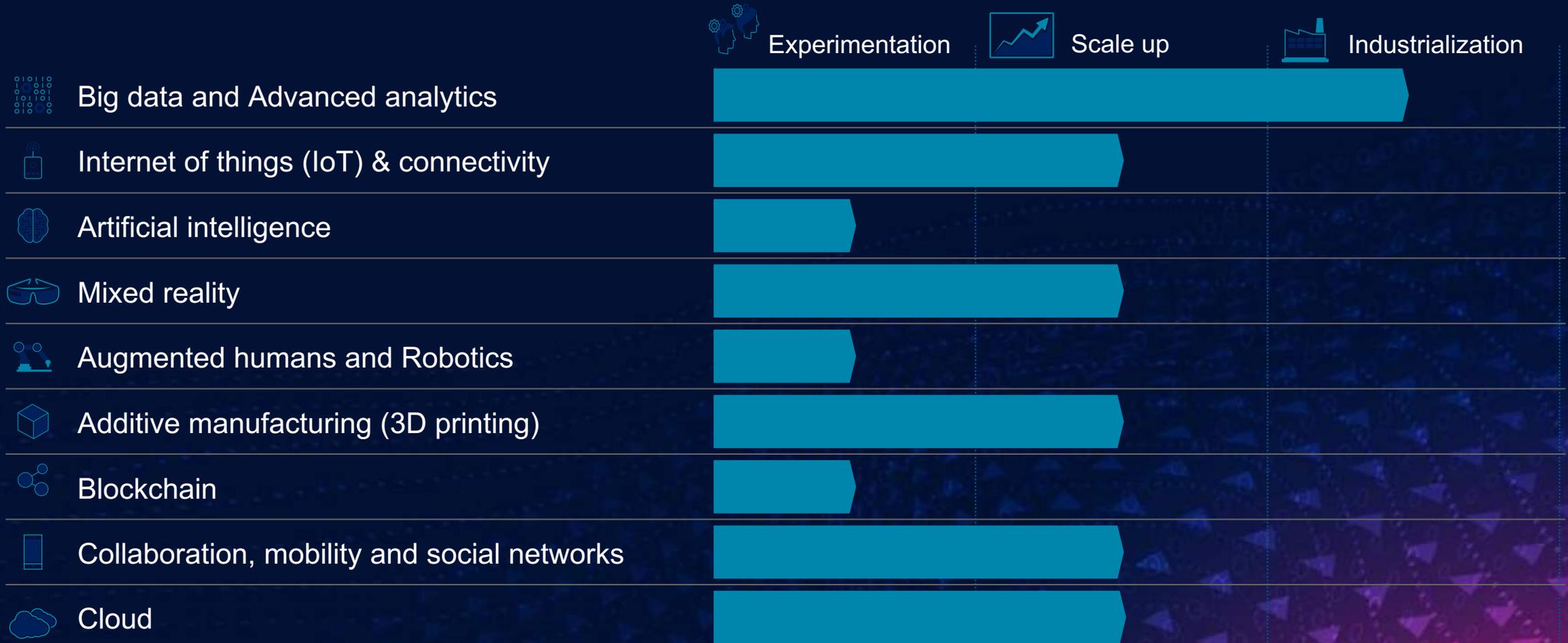
425 digital profiles recruited in 1 year (Aug. 2018)

180 trained as digital coaches by eoy 2018

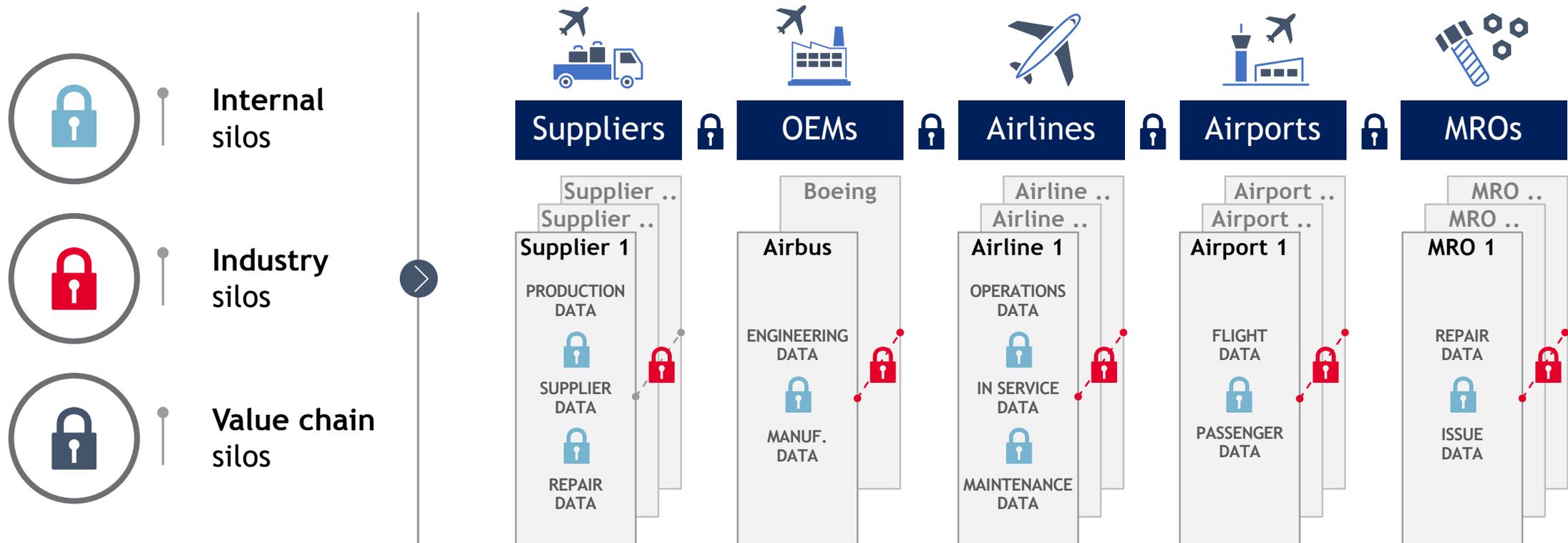
200 trained & certified on analytics; 400+ by eoy 2018

11k members in "Digital Transformation" community, #1 community across Airbus Group

Our level of maturity on each technology reflects our initial priority put on the data



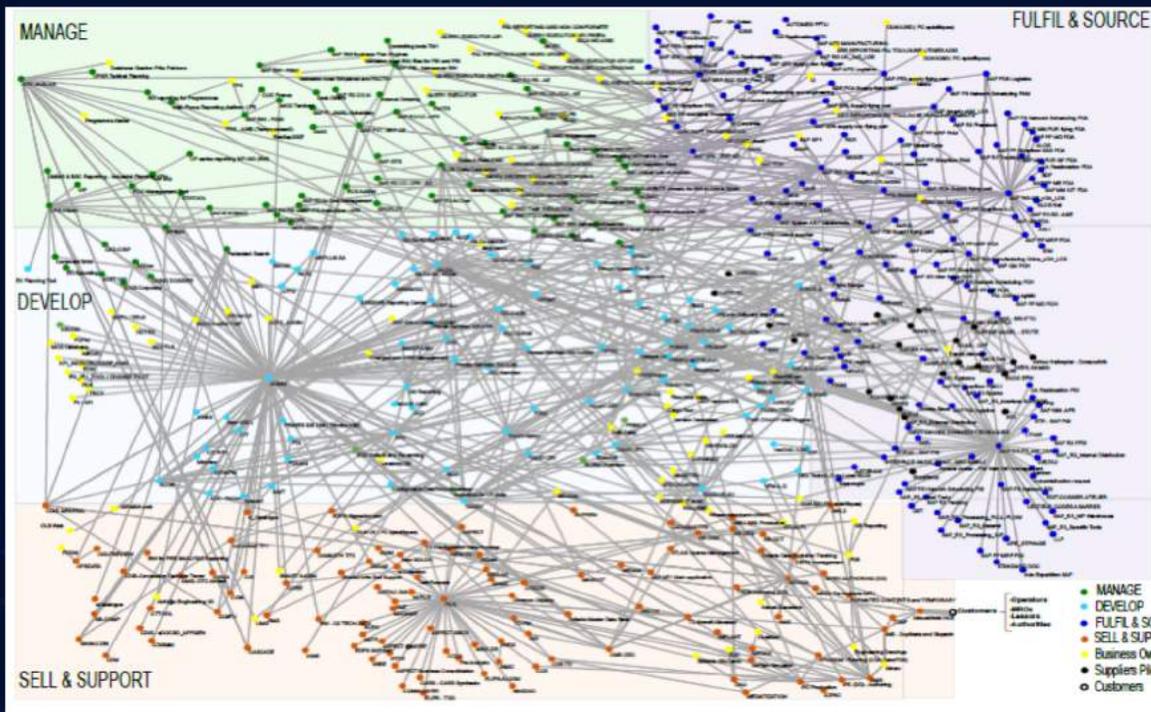
For years, the aviation industry has left untapped value potential due to frictions created by data silos



Data integration is key

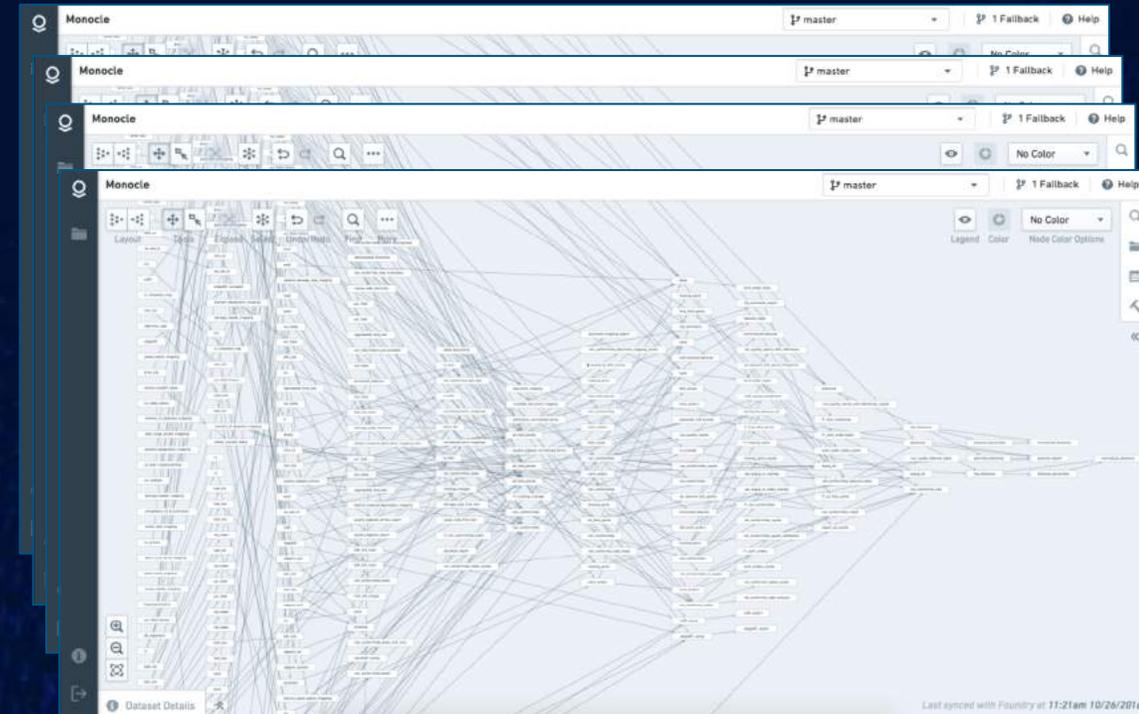
From static, heterogeneous systems...

...To extracted, curated and actionable data



Extraction

Integration



- 3250 TB of data
- 75 + unique data sources
- > 113 different systems

Digital continuity provides a real step-change in performance

INTEGRATING DATASETS TO PROVIDE DATA CONTINUITY AND VISIBILITY ACROSS FUNCTIONAL SILOS

2023
NATIVE
DIGITAL
CONTINUITY



DIGITAL
TWIN

NOW
RE-BUILT
CONTINUITY



DIGITAL
SHADOW



SUPPLIERS

DESIGN

MANUFACTURE

SUPPORT

CUSTOMERS

skywise.

AIRBUS



GALILEE

BLUE

Skywise can create value across the aviation industry



North America



Latin America



Europe



Middle East & Africa



Asia



4000+
aircrafts

Skywise

50+
airlines



10+
suppliers



6000+
active weekly users



30M+
maintenance actions

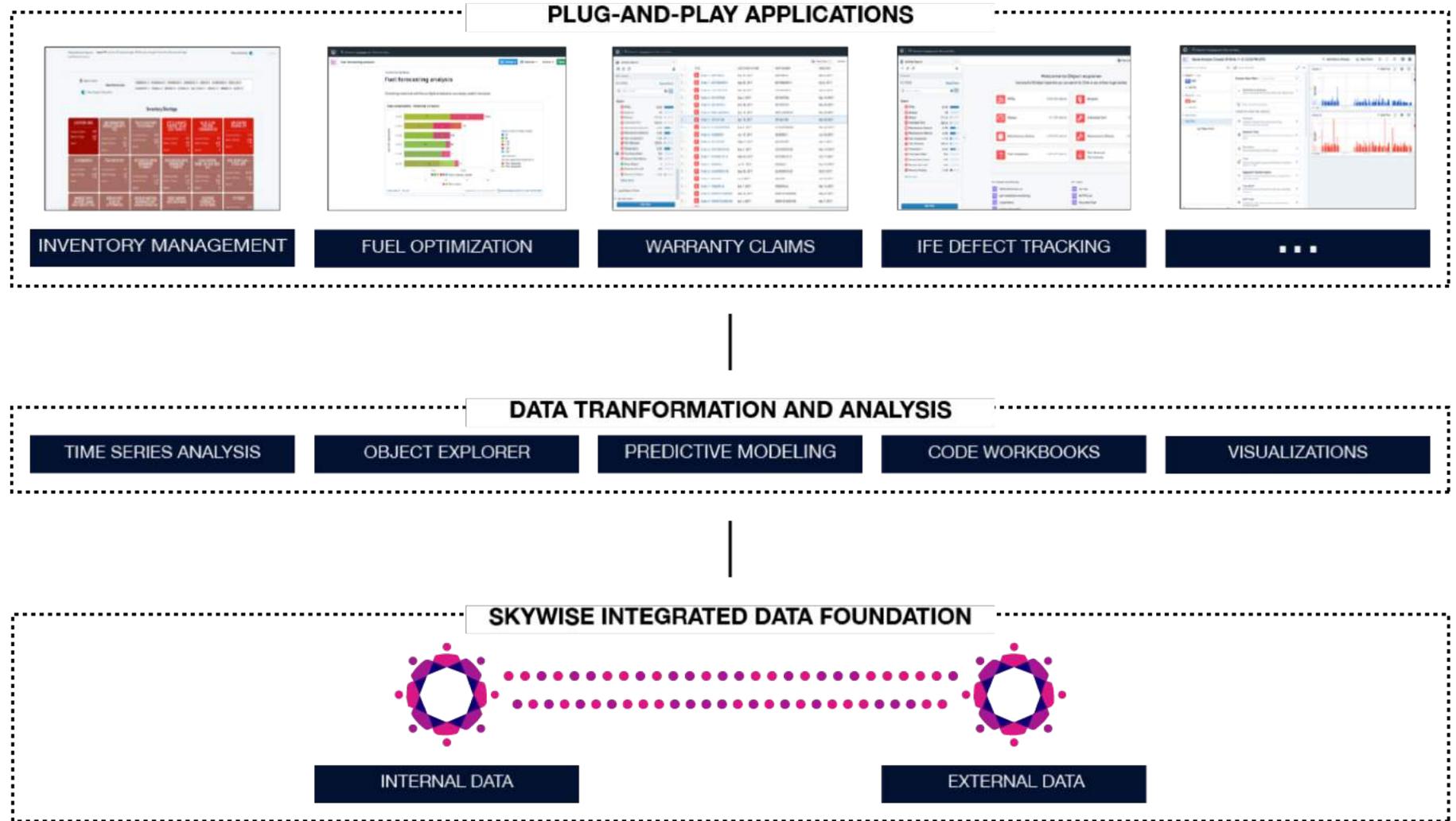


100+
Systems integrated



AIRBUS

The Skywise end-to-end platform lets users leverage the rich, integrated data foundation through analysis and user-friendly applications.



Airlines use Skywise applications to increase reliability, decrease cost to operate, and support safety.

Increase Reliability

- Line Planning
- Defect Management
- Reliability Analysis
- Fleet Health Monitoring
- Inventory Management
- Component Removal Analysis

...

Collaborative platform

- Communication with Airbus support
- Collaborative platform for all airlines
- Support for EIS

...

Decrease Cost to Operate

- Missed Connection Prevention
- Component Removal Analysis
- Warranty Claims Automation
- Fuel Optimization

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Available apps / dashboards

- Cabin defect mgt
- Fuel efficiency analysis
- Safety reporting
- AOG management
- Material management

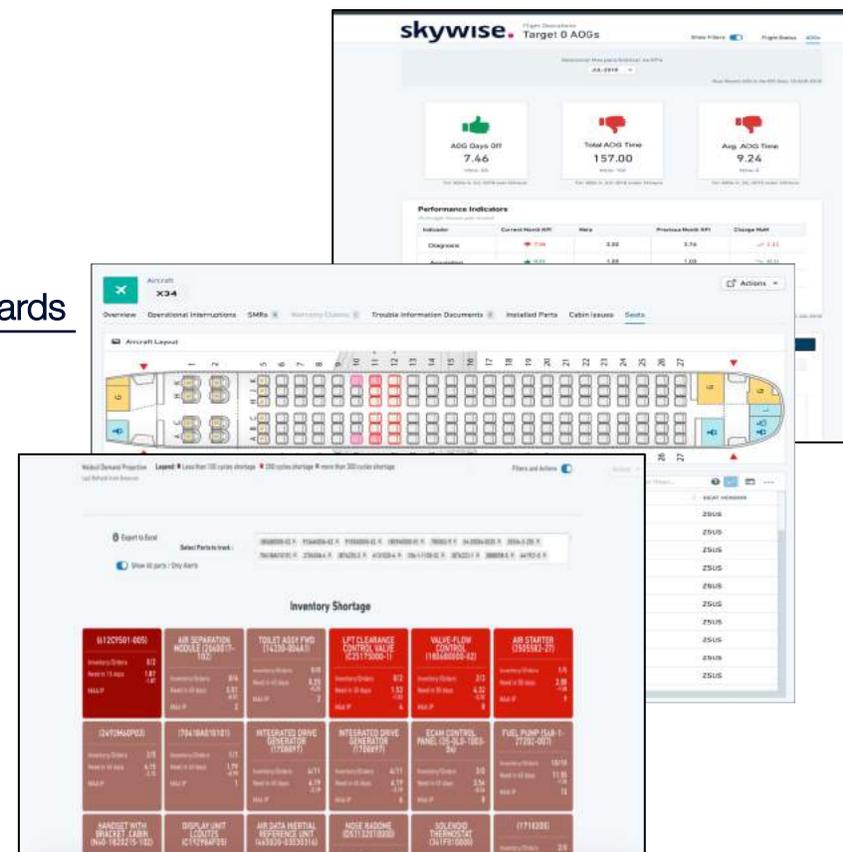
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More than 25 available.

Support Safety

- Flight Safety Investigation
- Compliance Reporting

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Thank you

AIRBUS