

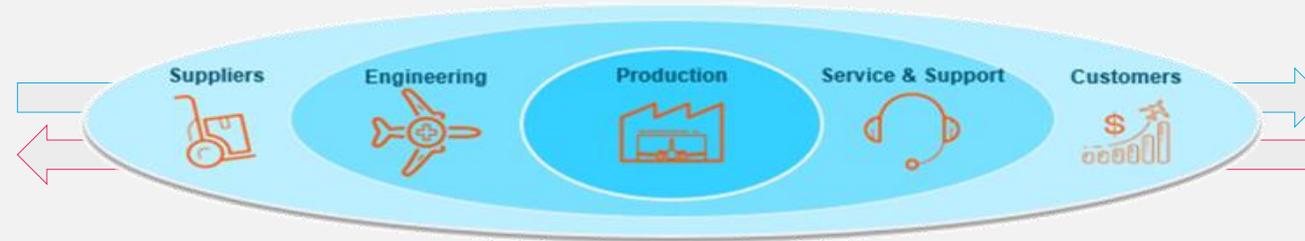
AIRBUS SKYWISE PARTNER -
SAFE® DISTRIBUÉ, DEVOPS



WHAT concretely is behind Skywise?



“Skywise” is a program aiming to **support and accelerate Big Data & Analytics projects** development across Airbus Group and the entire aviation ecosystem.

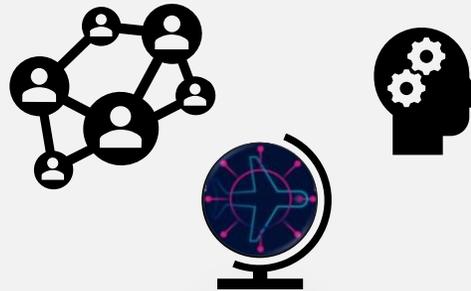


PLATFORM



- Data protected & available
- Controlled access & easy to use
- Evolutive & Scalable by design, enabling assets capitalization

PEOPLE



- Multi Functional Teams
- Attract & nurture globally
- Invest on talents: **devOps**, A.I., M.L. & architecture

PROCESSES & governance



- Agile & **SAFe** w.o.w. : Communication & Value

A 3y journey where **tangible deliveries** embraced ambitious strategy



Remember it's a race: **Start small...but start!**

GO TO MARKET EXPANSION



Skywise large solutions development acceleration leveraging internationalization & go to market
 Skywise for Airlines
 Skywise for Suppliers
 Skywise University
250+ Cap talents on board on Skywise continuing to grow the Palantir Foundry experts community

ACCELERATION & SCALE UP



50+ projects in development whose Skywise Core products
3 Franchises (AC, AH, ADS)
200 Cap talents on board with technical expertise on Palantir Foundry and AWS in Europe and India

PRODUCTS DELIVERY LAUNCHED



1 Core Team, **10** projects
1 Unique plateau based @Toulouse
 Reaching up to **120** Cap staff involved

SKYWISE [CARAVELLE]
DESIGN & LAUNCH involving **PALANTIR & CAPGEMINI** for **AIRBUS**



2016

2017

2018

2019 / 2020

- Contract started
- Very few opportunities

- Set-up Right **Governance**
- Create **unique Data Lake**
- Adopt « **Agile** » Ways of Working
- Launch the « **Ideation to MVP** » process



- Work on Data Governance & GDPR compliance
- Launch Agile@Scale = **SAFe**
- Open new **Skywise franchises**
- Industrialize** & Move to East



- Extend Skywise eco-system
- Monetize** services
- Accelerate on value from Data Science & AI**
- Make SAFe « the » only w.o.w.
- Run set up

Skywise in numbers



130+
airlines signed



9,000+
aircraft connected



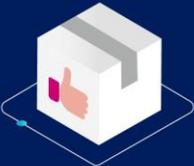
17,000+
unique monthly users



12+PB
of data on Skywise



15+
early
adopter
suppliers



150+
systems
integrated



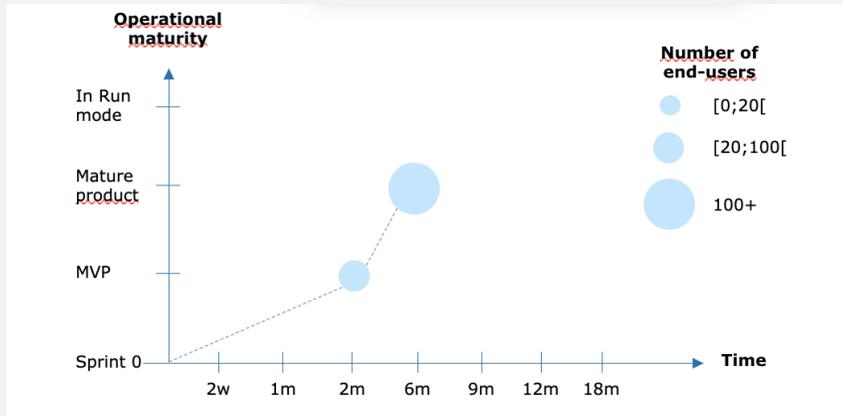
4 certified
partners





Agile

Adaptation to CHANGE and **moving faster**



One of the flagship apps of Skywise was deployed in just 3 months and still operating today

- Early & Continuous user feedback
- Business value prioritization
- Iterative improvement

DevOps

Building **Confidence** in Delivery

- Code repository
- Code reviews
- Unit testing
- Continuous Integration
- Automated E2E testing
- Pre-Prod environment
- ...

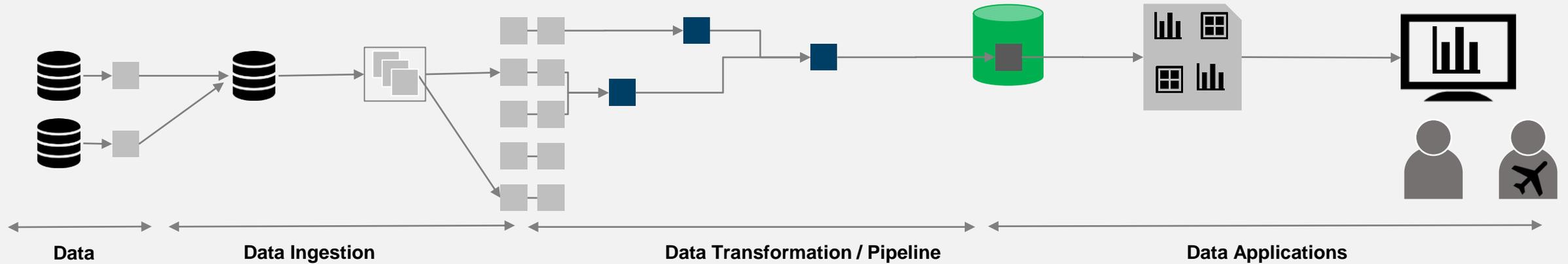


- **Feature flipping** (One single switch to enable/disable features)
 - Disconnect deployment from functionality, engineering from management
 - Useful for demo purposes/beta access
- **Green-Blue deployment** (Deploy into two alternate env.)
 - Is the ultimate PrePROD env
 - Serves as backup and help with rollbacks
 - "Friday is like any other day"

DevOps exists to enable Agile by avoiding tech issues

DevOps is not enough!

DataOps provides data reliability from ingestion to serving



Data source availability & data freshness

Health Checks: Schema changes, Data quality issues, freshness and sync

Automated data initialization for testing

Platform Support

Skywise One Ontology

Pipeline monitoring and performance optimization

Security & Privacy: Military Data, ANEX13, Row level access

Data Factory & Data Object Teams

EP Industrialization issues

Key success factors for an effective delivery



Co-location

Create a single place to gather the teams



Product Owner role

Business representative, 100% dedicated to the project, physically present



Agile coaching

100% of business and development teams trained for scrum and the Agile mindset



Testing

Mobilize a community of alpha-users from the first sprint on



Progressive tech ramp-up

Correlate technological evolutions of the platform with the evolution of AI uses



Flexible Operating Model

Drive the Operating Model of the program to match maturity of the platform



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SKYWISE

References to share

