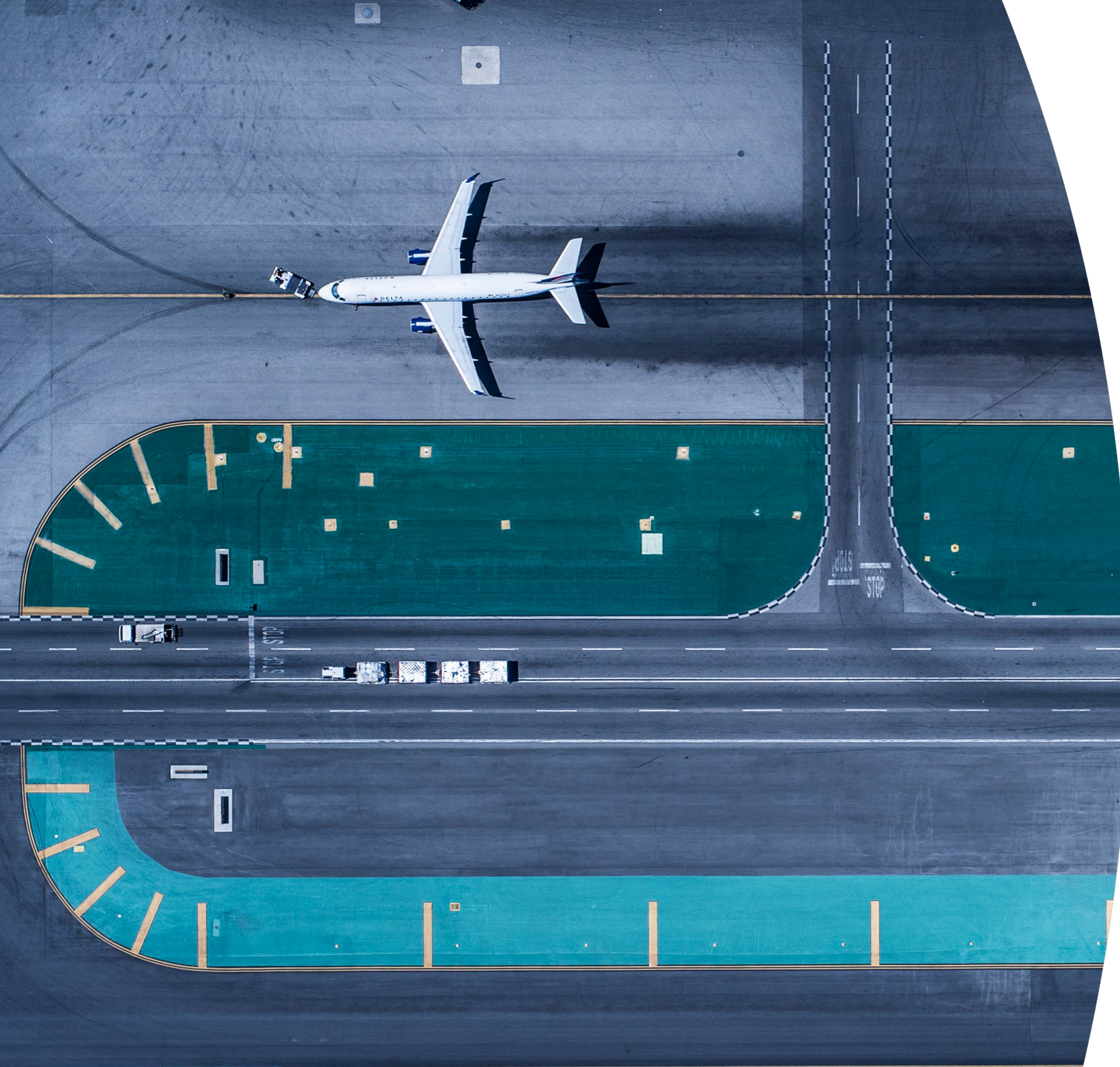


# Airlines & Fleet Operators

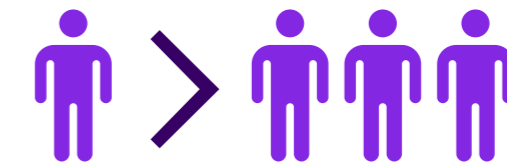
The next generation



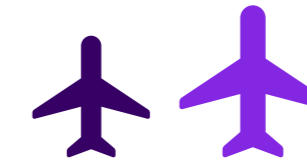




# Market trends driving new industry challenges



Passenger numbers expected to increase **300% by 2040**



Aircraft production and fleet sizes will **increase by 25%** over the next 10 years.



The volume of Big Data is growing. Modern aircraft can generate **500GB of data** per flight.



A machine learning approach to aircraft analytics can **lead to a 30% increase** in uptime



# Looking ahead

... IFS business software is unique in offering future-facing end-to-end solutions that leverage efficiencies throughout the commercial aviation industry.

**Airlines and fleet operators will need to:**

- Optimize planning and forecasting
- Meet safety requirements
- Improve operational efficiency
- Optimize each maintenance service visit
- Collaborate with customers and suppliers
- Comply with industry regulations
- Identify and manage critical assets
- Support complex contracts
- Work with complex programs and organizations
- Follow up projects in real time
- Integrate enterprise-wide
- Achieve connectivity across operation and personnel
- Optimize parts configuration handling
- Embrace mobile and remote maintenance

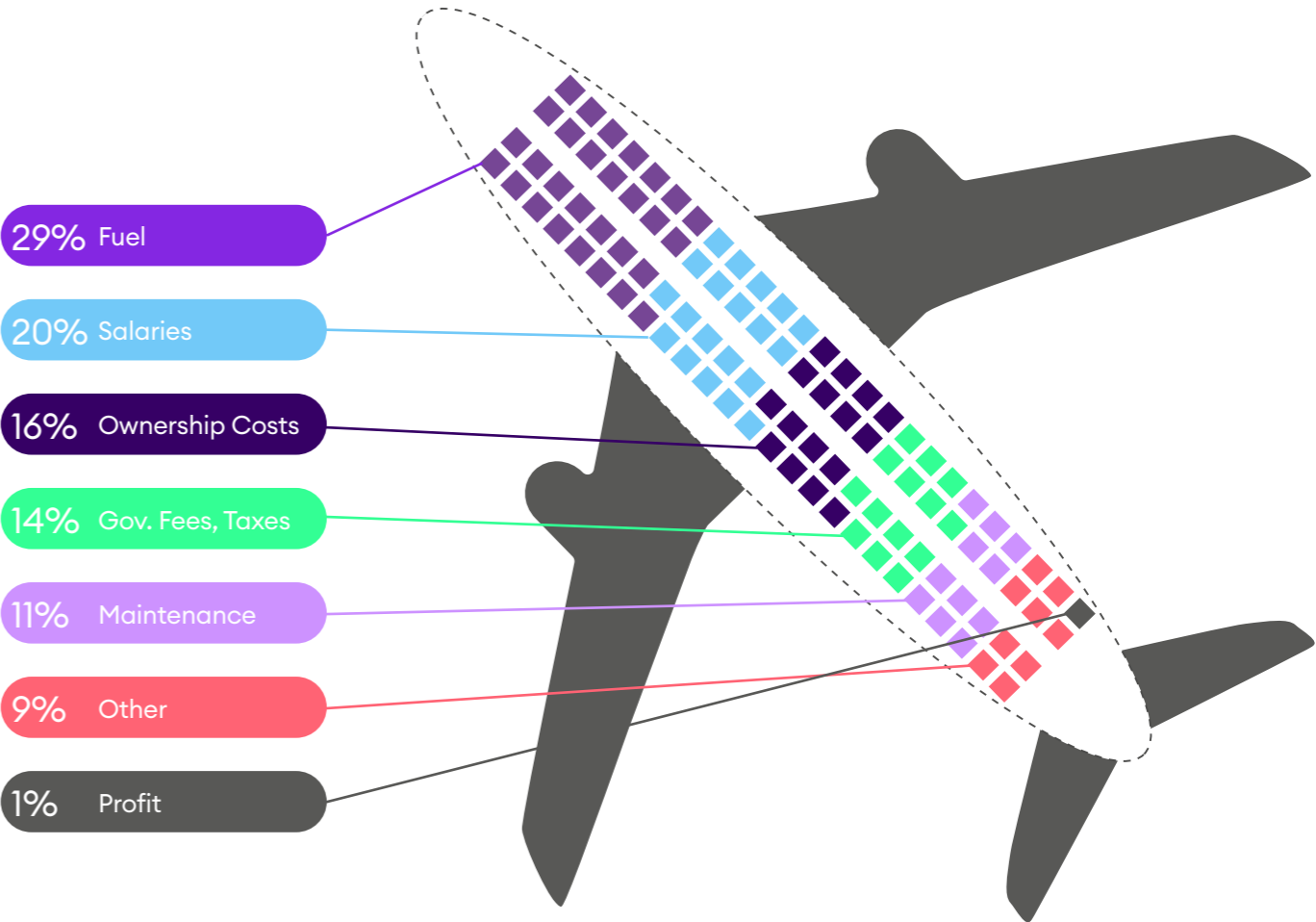




# How leveraging maintenance efficiencies can deliver bottom line value



On a flight with 100 passengers, it takes fares and fees from 99 seats to cover all costs. Profit = 1 seat.



Maintenance is typically 11% of an airline's costs. With profit margins nudging 1%, reducing that cost by 10% could double profit.



# IFS Aviation Maintenance

Supporting the day of operations with faster turnarounds and increased aircraft availability

For over 20 years, IFS has helped the world's leading airlines improve the efficiency of their maintenance operations, reduce costs and improve business results.

IFS Maintenix, part of the IFS Cloud platform, is the foundation of an aviation business software portfolio that offers Maintenance & Engineering more ways to leverage maintenance efficiencies and drive revenue to the bottom line.







# Accurate configuration

## Management and effective planning of operational maintenance

The power of IFS sits in the ability to define and manage the asset hierarchies that create ‘as designed’ and ‘as supported’ configuration baselines.

Real-time validations ensure that actual ‘as maintained’ configurations comply with the engineering rules defined by every baseline. Enhanced parts import, classification grouping, sensitivity and parts incompatibility flagging provides greater flexibility for configuration specialists while delivering real-time compliance data synchronization.

IFS software provides aviation maintenance organizations the critical capabilities required to plan, coordinate, and execute a secure 360° operational maintenance program:

- Heavy Maintenance Production Planning and Control
- Line Maintenance Planning and Execution
- Comprehensive Work Packaging
- Tool and Resource Management
- Material and Parts Management
- Component Repair and Shop Manufacturing
- Aviation Analytics for Reliability Analysis
- Allowable Configuration for part compatibility management



# Delivering 'on time, on budget'

## Aircraft release through enhanced collaboration

We provide Planners, Line Maintenance and Maintenance Operations with real-time insight, information exchange, and the tools they need to get aircraft out on time:

- Collaborative deferral management for fast, effective, and recorded decision making
- Real-time maintenance status monitoring
- Raise or close faults and release aircraft at the aircraft
- Eliminate double entry of tasks and information
- Fast and effective parts searches return only those relevant to the aircraft and task at hand
- Real-time collaboration and remote assistance via augmented reality
- Mobile and remote maintenance handling: update aircraft maintenance records with paperless technology





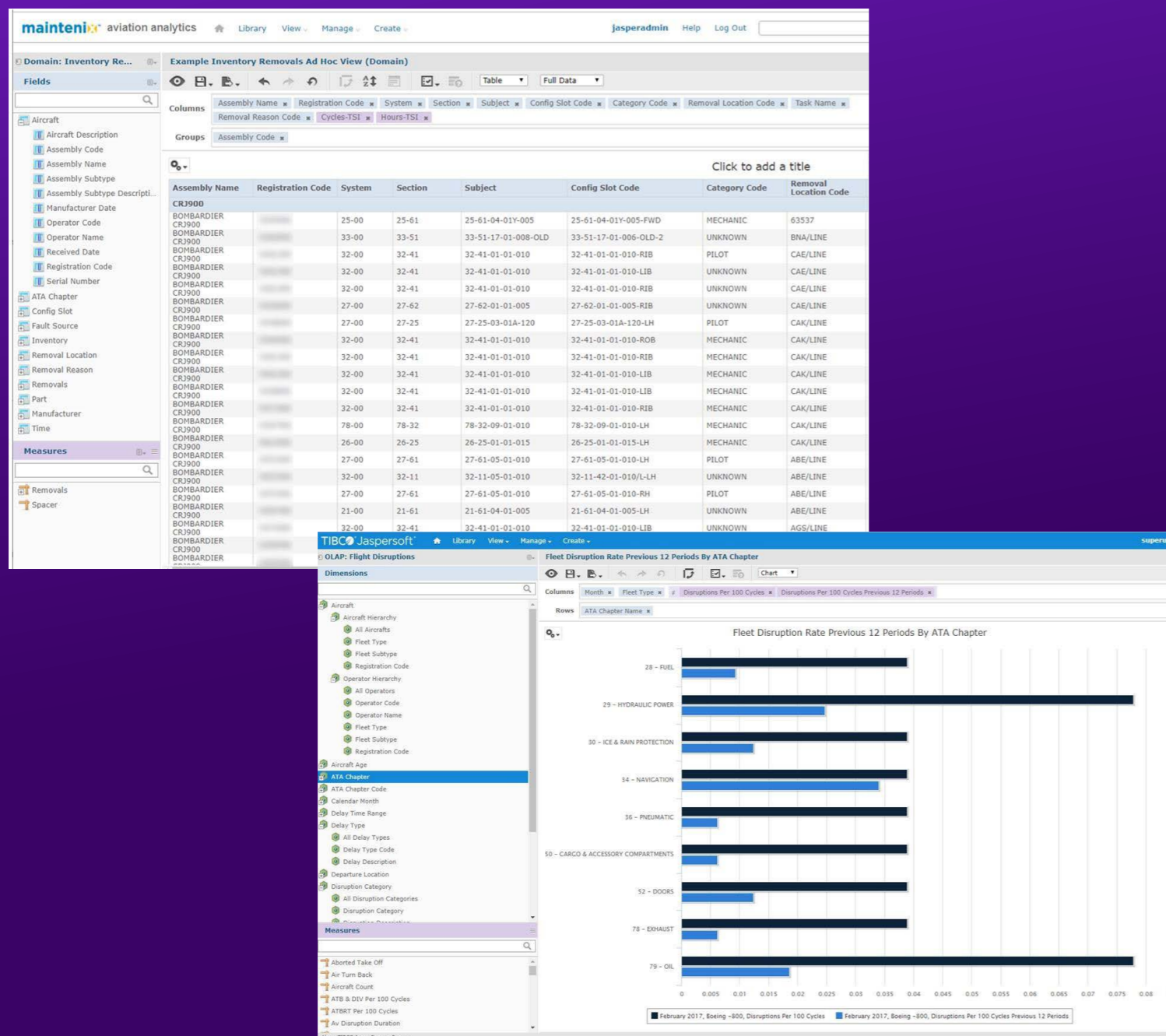
# Turn data into knowledge

With IFS Maintenix Aviation Analytics, users can more easily gain actionable insights based wholly or in part on reliability data found in the IFS Maintenix system:

- Extract data into pre-defined cubes of relevant information
- Expose that information to IT, applications and end users in a timely manner
- Present visualizations to end users, or allow them to create their own in your tool of choice

With IFS Enterprise Operational Intelligence (EOI), users can then validate organization-wide process execution against key strategic objectives. Connecting to multiple sources of data, IFS EOI provides:

- Intelligent business process management for smarter end-to-end operations
- Visual insight, decision support and execution at the enterprise level
- Predefined 'cockpits' that support the process view associated with functional services





# Best-practice engine MRO

Optimized maintenance, improved reliability and enhanced operational efficiency

IFS offers an end-to-end modular solution for complex assembly MRO supporting a number of Tier 1 operators, OEMs and service providers:

- Enterprise-wide asset management
- Part 145 and Part M Repair Station processes supported with advanced regulatory and safety compliance functionality
- Scarce and expensive workforce resources and maintenance process optimization with better parts availability and smarter procurement
- Better financial performance and improved reliability and maintainability
- Enhanced operational efficiency and control with improved use of facility capacity
- Increased customer service, increased availability with minimized turnaround times





# One product, one platform

IFS Maintenix is a native component of IFS Cloud, a platform that enables faster development of solutions with advanced technologies to enable new levels of capability. Predictive maintenance and artificial intelligence are natively built into the solution—translating advanced technologies into ‘on the ground’ maintenance strategies.

IFS offers choice in deployment. Whether an On Prem or Cloud model is chosen—functionally the solution remains the same.

This enables airlines and fleet operators to continuously benefit from new functionality, innovation, and best practice as a foundation of their relationship with IFS.





# Why IFS for Airlines & Fleet Operators?



## **The world leader in Aerospace & Defense**

Named leading provider of EAM solutions for over 10 years by ARC Advisory Group.

## **An unrivaled understanding**

Unrivaled understanding of market issues. Optimize the asset throughout its lifecycle.

## **Your trusted through- life partner**

Senior executives experienced in A&D with industry backgrounds and global reach in over 60 countries.

## **Ready when you are...**

Business agility through flexible, open, modular solutions. IFS solutions can adapt and grow as required.



## About IFS

IFS develops and delivers enterprise software for companies around the world who manufacture and distribute goods, build and maintain assets, and manage service-focused operations.

Within our single platform, our industry specific products are innately connected to a single data model and use embedded digital innovation so that our customers can be their best when it really matters to their customers—at the Moment of Service.

The industry expertise of our people and of our growing ecosystem, together with a commitment to deliver value at every single step, has made IFS a recognized leader and the most recommended supplier in our sector.

Our team of 4,000 employees every day live our values of agility, trustworthiness and collaboration in how we support our 10,000+ customers. Learn more about how our enterprise software solutions can help your business today at [ifs.com](https://ifs.com).

### #MomentOfService

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