IFS Cloud for Aviation Maintenance

Ensure superior visibility, control and compliance in your maintenance operation

IFS

IFS delivers true business agility

The most successful enterprises know how to adapt to, and embrace, the challenges in their market. IFS Cloud for Aviation Maintenance helps make our aviation customers be their best when it really matters to them—at the Moment of Service.

IFS:

- Delivers one unified, integrated platform with one common user experience

- Supports faster development of solutions with advanced technologies to enable new levels of capability offerings

- Takes a proven aviation configuration and maintenance management system and evolves it by making it available through single sign-on in IFS Cloud to licensed users while offering deployment choice

- Natively facilitates machine learning and artificial intelligence capabilities to create a much more reliable picture of what really leads to failures, ensuring that minimum equipment list operating criteria are met to avoid AOGs

- Enables our customers to continuously benefit from new functionality, innovation and best practice as a foundation of their relationship with IFS

- Provides best-of-breed capabilities and the most relevant functionality to address your specific commercial aviation concerns

- Gives you greater knowledge of how your business needs to adapt

- Provides greater flexibility to take the necessary action to make change happen

Delivering the flight operations promise

Commercial aviation organizations— whether airlines, business jet operators or helicopter operators— strive to introduce operational efficiencies that can help reduce costs, increase customer satisfaction, and drive profitability.

Specific to the Maintenance, Repair and Overhaul (MRO) function, this requires an intelligent network of information and processes working together to ensure all scheduled and unscheduled maintenance is quickly and efficiently fulfilled in a way that minimizes disruptions to flight operations, drives greater dispatch reliability, and maintains cross-fleet airworthiness. Further, efforts to meet these stringent performance targets must be carried out in a way that meets critical business and regulatory compliance.

Ultimately, the catalyst to achieving this optimal state lies in selecting the right MRO IT solution—one that can be trusted to manage complex multi-dimensional maintenance processes, be monitored and changed to improve operational performance, and ensures things get done according to plan.

IFS Cloud for Aviation Maintenance is a comprehensive software solution designed specifically to help maintenance management teams address the business and operational challenges of the commercial aviation industry. IFS enables improved tracking and execution on all the parts and work orders associated with returning an aircraft to service, allowing commercial aviation customers to respond quickly to changes in demand.

It empowers aircraft operators with the information insights they need to confidently manage their highest-value assets to support their core passenger and cargo carrier businesses.

With unparalleled experience in supporting fixed- and rotary-wing aviation organizations of all sizes, IFS offers an industry-leading approach to effectively balancing day-to-day operational requirements with airworthiness compliance, facilitating real efficiency gains and creating a sustainable competitive advantage.

Enable rapid return to service

IFS Cloud for Aviation Maintenance drives timely information exchange and communications between the various departments involved in 'Day of Operations' maintenance, expediting work completion and resolution of any unplanned maintenance. This helps ensure revenue generating aircraft satisfy flight schedule demands, spending more time flying and less time being maintained.
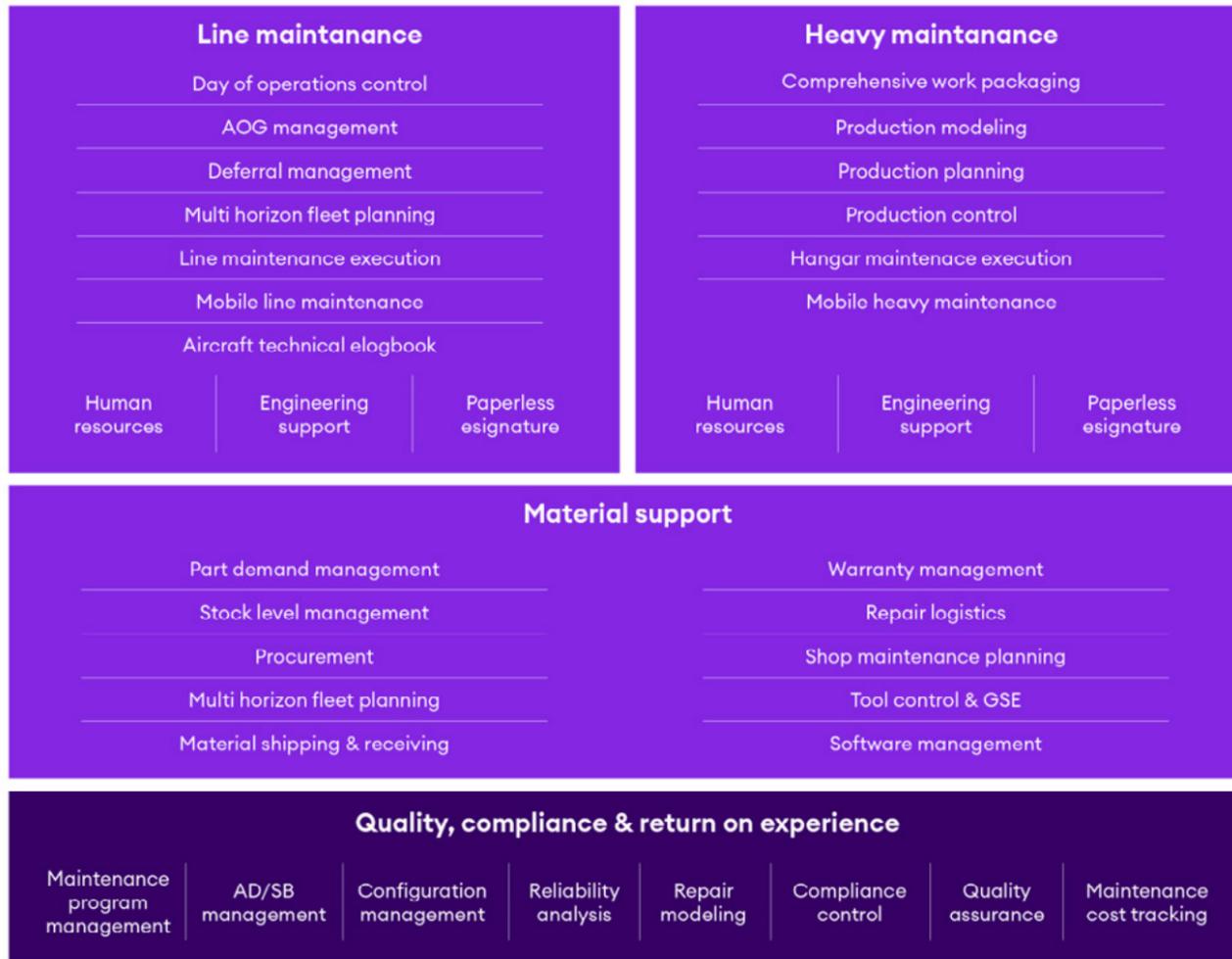
Eliminate material delays

IFS fully integrates materials management with maintenance planning and engineering, enabling an automated parts fulfillment strategy that increases work plan efficiencies, reduces inventory surplus, and optimizes supply chain response times against increasingly competitive serviceability targets.

Maintain fleet airworthiness

IFS caters to all maintenance and record-keeping requirements established by the regulatory authorities, providing flexible fleet airworthiness planning and management with minimal impact to day-to-day flight operations.

Everything you need

Featuring capabilities like controlled workflow, automated maintenance and materials planning, point-of-maintenance access to real-time aircraft information, and paperless execution and compliance, the IFS solution was built from the ground up to deliver value across the maintenance management chain:

Real time compliance

- Real time validation of aircraft configuration before maintenance release
- Creation and enforcement of engineering rules and policies across the entire maintenance organization makes it easier for planners, mechanics, and materials personnel to understand and confidently follow specified procedures
- Electronic signatures support, safeguarding accountability and data integrity
- Ability to automatically update records, including maintenance scheduling, when corrections are made to a past flight

A connected workforce

- Direct communications with line technicians provides real-time status views of latest work assignments and status, helping simplify ad hoc decision-making and troubleshooting
- Faster time to resolution by raising or closing faults, and releasing aircraft by mechanics right at the aircraft
- Collaborative deferral management capability for fast, effective and recorded decision making
- Reduce non-productive time by eliminating paper, double entry of tasks and the churn caused by transcription errors
- Mobile line maintenance functions help in establishing connected workforces that lead to improved aircraft serviceability and maximized aircraft turnaround efficiency

Consistently great turnaround times

- Production control templates allow you to standardize the way maintenance is executed in the hangar, reducing your reliance on institutional knowledge
- Real-time production control monitoring and critical path analysis immediately highlight issues such that they can be corrected to ensure the aircraft exits the hangar as planned
- Direct access into the supply chain verifies correct parts and tools are available on location, when they are needed, minimizing delays that might ultimately impact the aircraft's departure
- Real-time work updates streamline shift handovers, with outstanding defects, latest requisitions, orders, and shift notes available immediately for delivery to incoming technicians
- Seamless pilot-to-maintenance communications facilitates enhanced fault forwarding

Integrated multi-horizon planning

- Line, long-range and production planning delivers information relevant to the specific timelines in play and enables planners to choose the best plan for their organization
- Ensures optimal use of hangars, tools and labor across all maintenance work
- Engineering updates and unplanned visits are smoothly folded into the existing plan, enabling managers to focus on planning work instead of determining what work needs to be planned
- Create plans that automatically prioritize based on company priorities and objectives

Line maintanance

- Day of operations control
- AOG management
- Deferral management
- Multi horizon fleet planning
- Line maintenance execution
- Mobile line maintenance
- Aircraft technical elogbook

Human resources	Engineering support	Paperless esignature

Heavy maintanance

- Comprehensive work packaging
- Production modeling
- Production planning
- Production control
- Hangar maintenace execution
- Mobile heavy maintenance

Human resources	Engineering support	Paperless esignature

Material support

Part demand management	Warranty management
Stock level management	Repair logistics
Procurement	Shop maintenance planning
Multi horizon fleet planning	Tool control & GSE
Material shipping & receiving	Software management

Quality, compliance & return on experience

Maintenance program management	AD/SB management	Configuration management	Reliability analysis	Repair modeling	Compliance control	Quality assurance	Maintenance cost tracking

Aviation maintenance management for airlines and aerospace operators

The right part on time

- Auto-reservations evaluate parts demands against the latest maintenance plans to ensure accurate parts fulfillment, enabling material planners to focus on managing exceptions

- Alternate and preferred location features identify where alternate parts should be sourced from, to ensure optimal inventory use

- Simplify and accelerate parts procurement with RFQ, ordering, shipping and invoicing from within the software

- Enhanced parts compatibility management with improved parts import, classification grouping, sensitivity, and parts incompatibility flagging

Fast secure and reliable

- Proven ability to scale to meet the requirements of the largest airlines and support thousands of users with fast searches and quick response times

- Becomes the trusted source of digitally secured maintenance information for your organization

- Deploy in a high availability architecture to assist with disaster recovery and to meet your internal SLAs

- Choice to deploy either on-premise or in the cloud, self-managed or as Software as a Service (SAAS), including enhanced monitoring and scaling capabilities

Turn data into knowledge

With IFS Aviation Analytics, users can perform comprehensive analysis on rich transactional data to identify key trends and support fact-based decision making. Using built-in or third-party tools, they can explore data at different levels of granularity, drill down to a specific aircraft or component, and create dynamic visualizations for data exploration.

A scalable approach to value

IFS Cloud for Aviation Maintenance comes with built-in flexibility to adapt to a commercial aviation organization's evolving business and fleet strategy.

Looking to deploy a more modern maintenance system without disrupting the way you currently do business? IFS provides broad functional coverage to meet these immediate needs, with easy "glide paths" to new capabilities as the organization grows.

Interested in a new system that can underpin greater business process efficiencies? IFS offers a proven approach to enabling a standard, lean and predictable methodology to a company's maintenance practices—helping break through operational silos, facilitate continuous improvements, and deliver higher yield business returns.

**Working with you:
comprehensive support & services**

IFS provides a range of corresponding professional services and support to help our clients effectively maximize the value of their IFS system.

Every aspect of IFS services can be easily tailored to your organization's deployment strategy and timelines, ensuring you get the unparalleled support you need to drive measurable improvements and sustainable practices across your commercial maintenance organization.

Whether starting big or small

Whether starting big or starting small, IFS is the solution of choice in helping future-proof maintenance organizations.

About IFS

IFS is the world's leading provider of Industrial AI and enterprise software for hardcore businesses that make, service, and power our planet. Our technology enables businesses which manufacture goods, maintain complex assets, and manage service-focused operations to unlock the transformative power of Industrial AI™ to enhance productivity, efficiency, and sustainability.

IFS Cloud is a fully composable AI-powered platform, designed for ultimate flexibility and adaptability to our customers' specific requirements and business evolution. It spans the needs of Enterprise Resource Planning (ERP), Enterprise Asset Management (EAM), Supply Chain Management (SCM), and Field Service Management (FSM). IFS technology leverages AI, machine learning, real-time data and analytics to empower our customers to make informed strategic decisions and excel at their Moment of Service™.

IFS was founded in 1983 by five university friends who pitched a tent outside our first customer's site to ensure they would be available 24/7 and the needs of the customer would come first. Since then, IFS has grown into a global leader with over 7,000 employees in 80 countries. Driven by those foundational values of agility, customer-centricity, and trust, IFS is recognized worldwide for delivering value and supporting strategic transformations. We are the most recommended supplier in our sector. Visit ifs.com to learn why.