Staying Mission Ready

Top Three Reasons You Need Aircraft Maintenance Management & Tracking Software

Modern solutions for first responders & the air medical community.

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OVERVIEW

Aircraft used by law enforcement and first responders are well-equipped and have unique components and payloads not traditionally used in civilian applications. These individual components add a layer of complexity for managing and tracking the aircraft's maintenance. For mission-critical operations, aircraft maintenance is a top priority. When you have a time-sensitive situation where an aircraft needs to be deployed at a moment's notice, that aircraft and all its components need to be ready to go. Operators and pilots must be confident in the status of an aircraft, and it is essential for safe and on-demand operation. You must have access to real-time information to stay mission-ready.

This white paper will dive into the top three reasons you need an aircraft maintenance management and tracking system to keep your mission-critical operation always ready. They are as follows:

• Anytime-Anywhere Accessibility
• Increased Productivity
• Scalability

To identify the three reasons, we spoke with aviation maintenance technicians from multiple law enforcement and first responder agencies across the USA to identify the main issues they face and how they currently manage their aviation assets. From there, we connected with multiple aviation software experts on how modern maintenance management technology can combat their issues and improve mission readiness.

1. ANYTIME-ANYWHERE ACCESSIBILITY

In this industry, what each day entails is always different – you never know where, when, or why, but you must be ready to go. That's why having a digital system that gives you secure and up-to-date access to data from anywhere at any time is mission-critical. Today most software systems are cloud-based, so any updates made are visible in real-time, ensuring you're always in the know. Not only will you have peace of mind that your aircraft will be safe and ready to deploy at a moment's notice, but you'll be able to track it when you're on the go. You can't plan for the call, but you know you will be ready with the right system in place.

Implementing maintenance software that is compatible with mobile devices is critical in the 21st century. Almost everyone carries their phone with them everywhere they go, and nearly every pilot uses an iPad. When you implement a system with robust mobile capabilities, you automatically give everyone who has a mobile device instant access to all the information. Once again, this is a considerable benefit to consider when incorporating maintenance management and tracking systems into your operation.

Real-time and instant insight into the state of your fleet will give you all the flexibility you need to be always mission-ready.

2. INCREASED PRODUCTIVITY

There is no time to waste. Time spent on managing maintenance needs to be productive without duplicating work or having too many people on one job. The right technology can eliminate the most tedious and time-consuming processes by utilizing automation. For example, electronic workflows offered with a maintenance system can eliminate handwriting and data entry hours. You can identify repetitive tasks that consume a large portion of your time and leverage a system to do the work for you.

Maintenance management and tracking systems also offer the unique ability to tailor processes to your operation. You can streamline workflows and eliminate unnecessary steps by defining your workflow. That way, every time you start an inspection or audit, you have the steps laid out in front of you in a way that makes sense for your operation. You won't miss a step, and more importantly, there will be no surprises, saving you valuable time.

Maintaining compliance is key to maintaining mission readiness. Maintenance and crew need to know the status of the aircraft, parts, and components and when they are nearing time/hour limits. Since there can be many additional components and variables in these specialized aircraft, it can take more time to audit. Tracking and managing these parts in a digital platform allows you to complete tasks and stay compliant while the system manages the details for you. As a result, you can spend more time on maintenance and less time trying to follow a paper trail.

Paperless technology can greatly improve the productivity of your flight department in more than one way, ultimately saving you valuable time.

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3. SCALABILITY

If your processes are done entirely on paper, it is almost impossible
for you to have a complete view of your operation and manage
maintenance with the entirety of your fleet in mind. Even if you run a
small fleet or single aircraft, there are still many components to track
and manage. Having a system in place that gives you a centralized
view of your fleet and all the components makes maintenance
manageable.

Maintenance systems are built for growth to maintain the same level
of control and ease of management across any operation – from a
single aircraft to a high-utilization operation with a large fleet. So, if
your fleet grows in size, a system will have no problem adapting to
the increased workload. However, having more aircraft means more
components to manage, increasing the complexity of paper-driven
maintenance. Digital systems are designed with the user in mind to
be scalable and do the heavy lifting for you.

Knowing that a digital system is scalable and can handle any
workload is beneficial to the productivity of any operation, whether
large or small.

CONCLUSION

There is no time to waste for mission-critical operations when
maintaining aircraft and all the aviation assets. Time-sensitive
operations call for powerful technology to deliver critical data to your
flight department when they need it. This allows users to plan the
operation's future, gain new insights, and make essential
maintenance decisions in real-time.

So many businesses, general, and commercial aviation organizations
have already adapted to the same technology with proven results of
improved processes and measurable ROI. However, when
implemented into the law enforcement and first responder aviation
sector, the outcome improves mission readiness along with
improving processes and measurable ROI.

Software like ATP Flightdocs exists to ease the workload and help
you efficiently and effectively manage and track the maintenance
of your fleet. If you want to hear more from our customers on their
success with implementing ATP Flightdocs into their operation, click
here.

ABOUT ATP FLIGHTDOCS

ATP Flightdocs is the most advanced solution for managing your
aircraft maintenance, inventory, and operations.

Our modern web and native mobile applications eliminate
paperwork, enhance your compliance workflows, and give you
real-time access to operational data anywhere. Backed by
industry-leading, 24 / 7 / 365 analyst support, Flightdocs keeps you
ready for your next mission.

Flightdocs now offers the Aviation Hub integration, allowing users to
access their libraries with just one click from one platform.

ABOUT ATP

ATP is the leading provider of aviation software and information
services. Our innovative product lines, including Flightdocs,
Aviation Hub, ChronicX, and SpotLight, reduce operating costs,
improve aircraft reliability, and support technical knowledge sharing
and collaboration in all aviation and aerospace industry sectors.

The products and services of ATP support more than 75,000 aircraft
maintenance professionals worldwide. ATP has a global presence
with more than 7,500 customers in 137 countries and partnerships
with over 90 OEMs.

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