

Mobius Logic Drone Flight Management System



Mobius Logic



Enterprise drone programs are on the rise within several industries yet scaling and managing these programs remains a complex corporate activity.

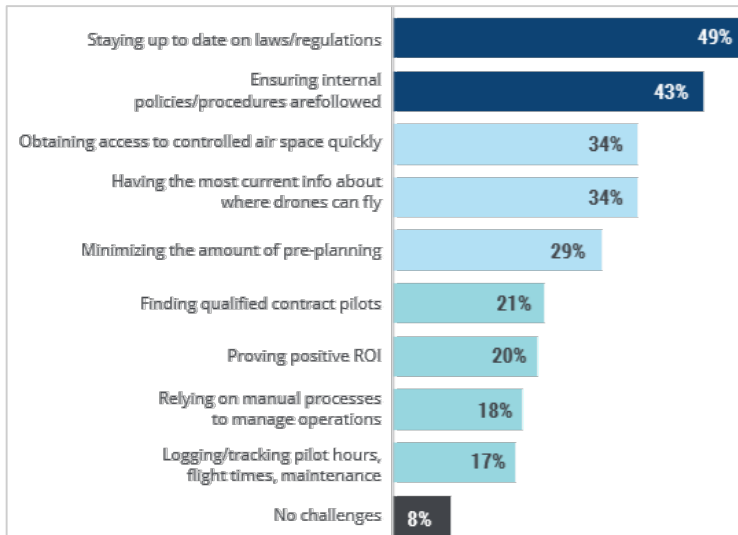


Challenges

- Staying up-to-date on regulations
- Ensuring that internal procedures are followed

Leads to

- More risk exposure
- Reduced cost effectiveness



Source: Blue Research – “2018 State of Drones in Big Business”

Ideal Solution

- An automated workflow-driven system
- Always up-to-date with the evolving regulations
- Compliant not only with national and regional regulations but also corporate policies and procedures

“Flying anywhere in the city is pretty difficult, legally. We have a Navy base, right next to an airport, right next to a baseball stadium, busy city streets. There is just all sorts of reasons they don’t want you flying drones.”

“Biggest challenge is getting everyone synched up. We’ve got a dozen pilots scattered across the U.S. It’s not like we’re in the same office. I want to get it to be more consistent and automatic so they (pilots/operators) don’t have to think about it.”

Desired Outcomes

- Enterprise drone operations compliant with laws and abide by corporate safety guidelines
- Audits tracked in a central system of record
- Participants can collaborate efficiently for flight planning and flight mission analysis activities

“We have 20 pilots and we use an Excel file with one tab for each pilot. I’d want an all-in-one shop that allows you to have your checklist, warnings of future expired licensing, be able to control the drone and manage the video, FAA notifications, flight times and patterns and geo locations with touch of a button.”

“There is too much manual intervention. Files need to be converted to a standard format, then cataloged in (document repository) and associated with a claim or multiple claims.”

Mobius Logic: Drone Flight Management System



Ensure Safe, Efficient Drone Ops

Airspace Access & Flight Planning

With our interactive airspace map, you can:

- Review regulations and TFRs
- Plan flights
- Collaborate with crews
- Gain access to fly in controlled airspace with LAANC

Efficient, Low Risk Flights

Standardized flight procedures are safe flight procedures. Customize flight and operational checklists to:

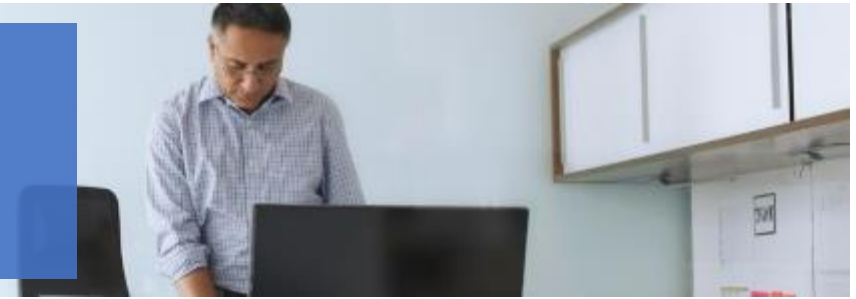
- Support your workflows
- Meet corporate safety requirements
- Ensure efficiency

Complete System of Record

- All your pilot certifications, flight hours, authorizations, aircraft, and projects in one place
- Your drone operation's complete system of record
- Provides transparency for managers and legal teams

Mobius Logic's Drone Flight Management System connects all your people, processes, and equipment involved into one efficient workflow solution that is easy to integrate with your LOB applications.

Mobius Logic Drone Flight Management System + Microsoft Azure



Built on Microsoft Azure, the Mobius Logic Drone Flight Management System is compliant with industry standards for data security and privacy, scalable to increasing business growth, and reliable by ensuring business continuity no matter what.

Solution Alignment

Cloud Protection

Safeguard your drone flight operations with unmatched data security management and threat protection.

Microsoft Azure has more security and certifications than any other cloud provider.



Enhanced Scalability

Sometimes you need for capacity, sometimes you need less. Azure can easily stretch to meet the seasonal needs of your drone operations without requiring advance infrastructure investments.



Business Continuity

In drone operations, a minor outage can put you at a competitive disadvantage. With Azure, the drone operation is ensured to work when you need it the most without the expense of a secondary infrastructure.



Customer Success Story



- Over 100 pilots
- 3 Flight Locations with one spanning 100 acres
- Different business and geographic authorities for flight request approvals
- Complicated internal processing: more restrictions than federal regulations
- Implemented Mobius Logic Drone Flight Management System in January 2019

Win Results

100% Compliant

Once the FMS went live, all drone flights became compliant with UC Office of Risk Management and FAA regulations

Collaborative Flight Planning

Pilots, department leaders and flight location supervisors can easily collaborate using the FMS workflow for flight approvals, pilot registrations, and incident tracking

Real-time Situation Awareness

All flight requests and approvals benefit from real-time integration with air space restrictions, NOTAMs and TFRs eliminating any FAA or local jurisdiction regulation breaches and reduces the risk of collisions.