

Automate drone infrastructure monitoring with **ChangeAerial** & **FlytBase**

Current Challenge

Existing human and AI-based overhead inspection approaches does not achieve the accuracy, capacity, and frequency needed to scale cost-effective monitoring. As a result, less than 10% of grid infrastructure is evaluated annually, leading to costly undetected issues, increased wildfire risk, poor situational awareness, and higher operation and maintenance costs. Current AI algorithms only detect limited numbers of defects they are specifically trained on, and can't detect every variation of every defect, in every geography.

ChangeAerial N-SUITE Solution for Analytics

ChangeAerial's N-SUITE software accomplishes a novel end-to-end workflow for frequent infrastructure monitoring and defect detection through change analysis. Our proprietary algorithm detects any defect variation using curated (precisely aligned), time-sequential images. N-SUITE automation elevates inspection productivity, reduces costs, and complements inspection work already being done.

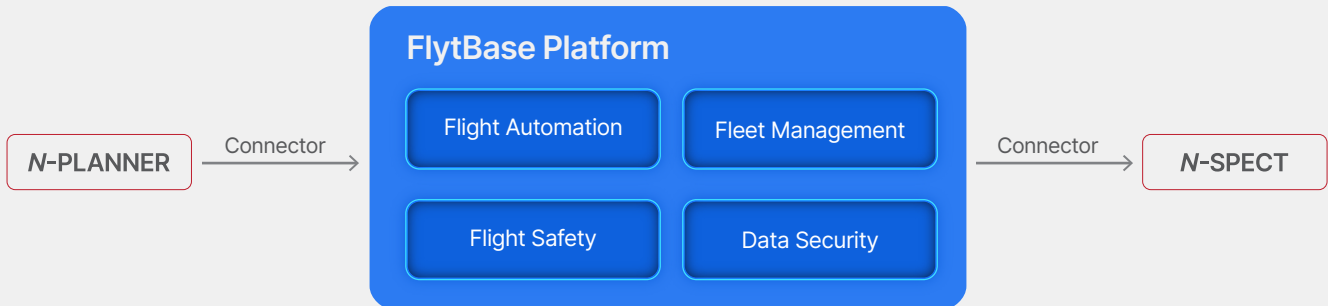
It exploits **Repeat Station Imaging (RSI)** for end-to-end optimized procedures through a simple 3-step methodology: Gather - Analyze - Act, using time-series aerial images and advanced algorithms to analyze and extract actionable inspection insights, to deliver industry-leading accuracy and efficiency for better outcomes.

Gather - Analyze - Act



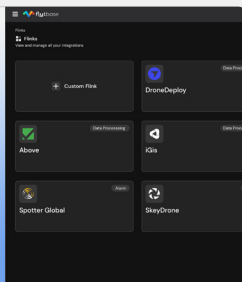
Automated Docked Drone Data Collection via FlytBase

FlytBase is an enterprise-grade, secure, reliable & scalable drone autonomy platform, designed for system integrators to fully automate docked drone operations. FlytBase enables repeatable & frequent data collection of electric utilities, minimizing the need for crew hours in the field, enhances the accuracy of asset degradation assessments, and provides valuable data for predictive analytics.



FlytBase Advantage

Automated Drone Workflows with Flinks
Seamlessly integrate third-party apps, devices, and modules for efficient drone operations.



Data Security
Ensure enterprise-grade security and compliance with SOC2, ISO 27001, GDPR, and flexible deployment options.

BVLOS Ready
With regulatory approvals in 10+ countries, FlytBase ensures flight safety, and integration with DAA systems, UTM, ADS-B, and more.

Hardware Agnostic Platform
FlytBase supports 15+ drone-in-a-box solutions, allowing users to deploy & manage a fleet of hybrid drones & docks.

Enterprise Customer Support
Experience seamless implementation and enterprise support with FlytBase for your drone operations.

