HOW DRONE REFORESTATION COMPANIES CAN ELEVATE OPERATIONS USING DRONEDEPLOY

OVERVIEW:

The use of drone technology for reforestation is becoming increasingly popular and necessary. With climate change, and increasing wildfire severity and frequency, manual labor for reforestation is no longer a viable option to restore and maintain our forest ecosystem. Existing tools and nursery supply chains are inadequate and are rightly being replaced by a combination of smarter seed technology and drone technology for dispersal.

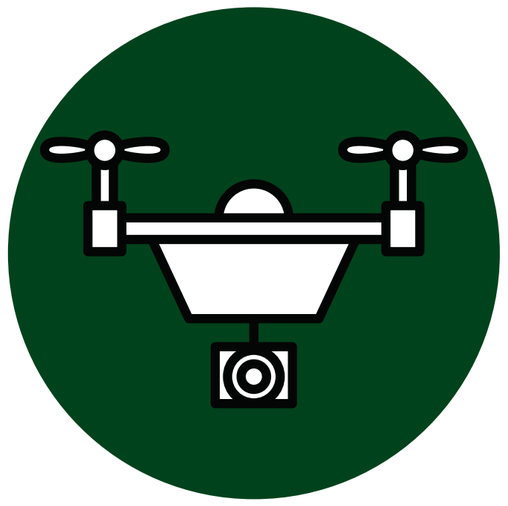
America's DroneSeed, Australia's Dendra Systems and Canada's Flash Forest are some of the leading companies at the forefront of drone based reforestation. While DroneSeed and Dendra Systems have currently developed their own drones, Flash Forest is using DJI Matrice drones for their operations. While these companies focus on developing better seed technology and best tools to sequester carbon, DroneDeploy can help them in operating their fleets to deploy these seeds efficiently, thus helping them scale faster.

CHALLENGES

Drone reforestation companies are spending time with foresters and plant biology experts to learn about the pain-points in the forestry field and come up with breakthroughs in seed enablement. Beyond good seed technology, the successful germination of these seeds is also hurdled by terrain - difficult slopes, leftover slack from forest fires and large areas of land that cannot be covered by a single drone.

DroneDeploy's technology can help with the drone operations and leave the development of the seed technology to the experts. With DroneDeploy's Flight app, these companies can survey large acres of land before planting and create and share automated flight paths for their missions. DroneDeploy's analysis tools can help with monitoring the seedlings periodically after plantation to efficiently determine the success of germination with hard numbers.

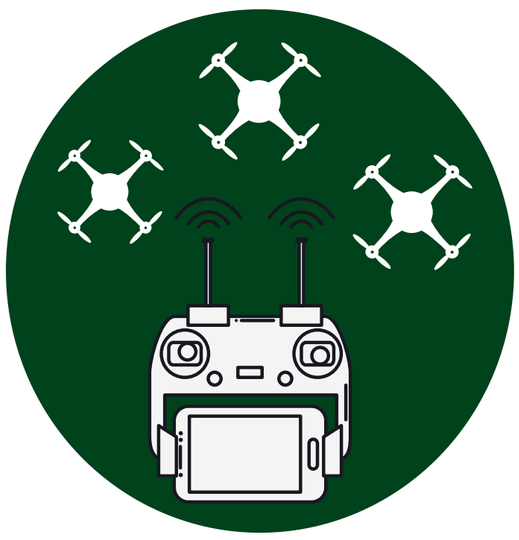
To scale reforestation operations, employing a bigger fleet of drones can also be made easy with DroneDeploy's fleet management system. The companies can plant more seedlings per planting session thus saving time and increasing revenue.



Preflight survey and mapping

Automated flight paths for missions

Post flight analysis and monitoring



Pilot and drone fleet management