

# DRONES THAT PLANT TREES

Ritika Sen

*Freelance Content Writer*

A drone (unmanned aircraft) is a flying robot that can be remotely controlled or fly autonomously using software-controlled flight plans in its embedded systems which work in partnership with onboard sensors and a GPS.

Climate changes, huge amounts of deforestation, and wildfires make it tough for the environmental agencies, foresters, social groups, and tree planters to look up the entire area so that reforestation can be done. To deal with such a difficult scenario, drones are being used to plant trees.

Since drones have the ability to fly and drop seeds at places that were earlier out of reach, it provides an operative solution for the problem that too at hand. These can outline the territory, carry the seeds, drop the load at the identified spots and go back to check the progress at persistent intervals. The various factors involved in plantation through drones are: -

1. Drone size and its quality
2. Ability to outline the territory
3. Providing protection to the Seeds

Some examples proclaiming the use of drones by different nations for tree plantation In Feb 2020, the government of UAE manifested a drone project to plant mangroves in its coastlines keeping in view the fact that mangroves are great for biodiversity, marine life, and purification of the air quality. In Toronto, Canada during May 2020, the land which was previously burned in a wildfire, replenishment of the land was done with the help of drones.

In Aug 2020, the government of India took a Drone-based pilot project to plant trees for the Aravali Mountain range. The drone was used to detect soil quality, land evaluation, rainfall status, and to choose which species to plant in the targeted zone.

Not only nations but some companies like Drone Seed, Flash Forest, and Dronecoria are using drones with the aim to provide services related to drone plantation.

Forests are a part of Earth's ecosystem, covering about 30 percent of the land area. But with increasing human demands these are disappearing like a blink of an eye. In order to save forests, a drone plantation idea is not enough but efforts by each individual are required. Humans and technology can make it possible to make this planet greener once again.

source: skyfilabs

