

3 Benefits of Drone in Forestry

Helping You See the Trees Through the Forest.

Mapping trees is more than a measurement—it's a window into the health, structure, and value of a forest. And when powered by drone LiDAR visualized through a Canopy Height Model, it becomes a powerful tool for environmental intelligence.

Check out the benefits that make LiDAR drones an invaluable tool in forestry.

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ACCURATE DATA

With the use of lasers, LiDAR sensors can penetrate dense vegetation to gather highly accurate and precise data of the forest below the canopy.

By utilizing LiDAR sensors mounted on drones, we can gather precise measurements of tree heights, trunk diameters, and canopy density, even in challenging environments like dense forest.

BETTER INSIGHT

LiDAR drones allow for efficient and accurate collection of a continuous dense point cloud of the forest, both above and below. The data is then used to produce a detailed 3D model to characterize tree structure and their surroundings in space.

This information is crucial when making decisions related to forestry management & conservation.

FASTER RESULTS FOR LESS

Traditional field surveys allow tree-to-tree measurements of small plots to obtain detailed and accurate forest information; however, large-scale manual surveys are time-consuming and laborious.

One of the primary benefits of using Lidar drones in forestry is their speed and efficiency. Unlike ground-based methods which require manual surveying, LiDAR drones can quickly cover large areas of forest in a fraction of the time - **saving you time and money**.

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