

CASE STUDY

Forestry

DroneMate™
EVERYTHING AERIAL



Problem

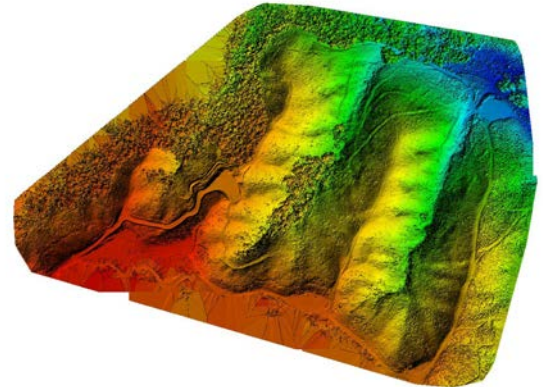
Forests are very hazardous places. An aerial view is often the only way to get any view when planning planting, management and felling.

Aircraft photogrammetry is the standard (and very good too) but may not be cost effective for smaller areas, i.e. below 200ha, or when needed at short notice such as to assess storm damage.



Approach

1. DroneMate, being a Part 102 operator, was approached to fly complex forest surveys often above 400ft above ground level.
2. Accompanied by a forestry consultant, surveys were flown using regular drones and specialist survey planning software.
3. Surveys were often complicated by extremely tall trees, line of sight issues and terrain height varying over 300m across the survey area.
4. 3D and 2D maps were created and discussed with the client and specific requirements defined, including slope angles, surface areas, stand count, tree size and even log size.



Solution

Delivery of very detailed survey maps to the client within 2 or 3 days of the flight.

Discussion of the terrain and observations with the client.

Delivery of all maps and data to the client in electronic form, enabling maps to be input into their software.



Forest surveying is not for inexperienced drone operators and using a Part 102 [commercial] operator is highly recommended. The data and information gained from a drone forest survey is valuable to forest managers and owners, and very cost effective for blocks below 200ha when compared to the alternative survey methods.

Talk to us about how we can help you with your forestry information management.

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