Airborne Tree & Vegetation Analysis

Utilising the very latest technology, our expert partners specialise in the acquisition, procession and analysis of high-resolution imagery acquired from satellite, fixed wing plane, helicopter and UAV for sustainable vegetation management. This enables owners and those responsible for large stocks of Trees or Vegetation, spread over wide geographical areas, to quickly and cost effectively survey their green assets, to appropriately manage them.

Site Surveying

Using multispectral, hyperspectral and thermal sensors attached to fixed wing plane, helicopter or Unmanned Aerial Vehicle (UAV –aka Drone), we can acquire precise information and data for your tree and vegetation assets

These sensors have a diverse range of applications for precision diagnosis and monitoring of vegetation, including agriculture, forestry, turf, urban and plantation systems, providing:

- Vegetation / Tree GPS Location
- Vegetation / Tree Height
- Vegetation / Tree Health
- Vegetation / Tree Area Cover
- Species Identification
- Weed Mapping

Unlike most companies who only supply remotely sensed imagery, our specialist partner has the field expertise to ensure our clients select the most appropriate imagery for the desired outcome. Our consultants have completed numerous projects whereby we collect the remotely-sensed data in tandem with the in-situ data, conduct the desktop analysis of both datasets, and finally report on the results to explain what these mean for the client.

Precision Turf/Crop Management

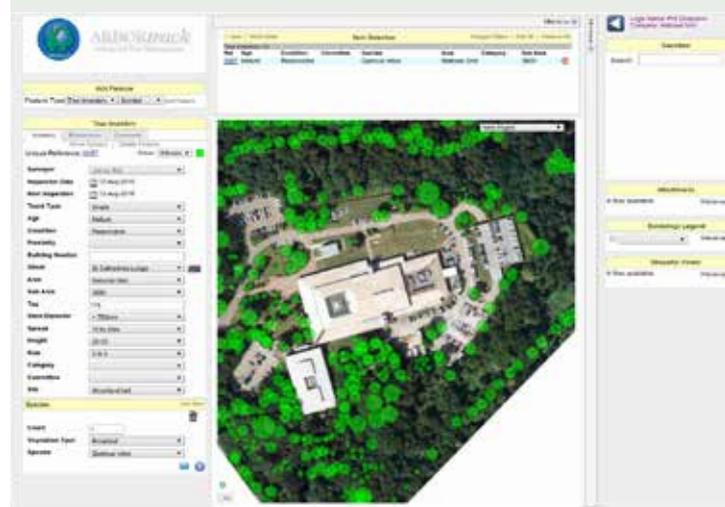### • Early diagnosis of pests and diseases
We can provide early warnings to potential pests and diseases. We can also monitor the spread or reduction over large areas, in a cost effective and efficient manner. Our partners knowledge of trees and forest pathology combined with their knowledge of remote sensing, means that our advice is second to none. We work with our clients to greatly assist with rapid detection, diagnosis and the management of pests and diseases.

• Mapping areas requiring fertilizer inputs
We can provide data to enable you to best manage your farming process, golf course or sports fields by enabling you to accurately apply fertilizers where they are needed most. Cost and environmental savings can also be made, by providing data to show areas growing well and do not require fertilizer.

Airborne Tree & Vegetation Analysis at a glance:

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- Vegetation / Tree Height
- Vegetation / Tree Health
- Vegetation / Tree Area Cover
- Species Identification
- Weed Mapping
- Precision Turf/Crop Management

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