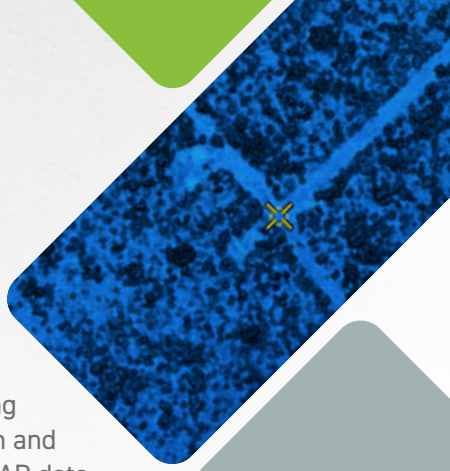
PRODUCT OVERVIEW

VIRTUAL GROUND CONTROL

superGCP™ – A SPECIALISED LIDAR PRODUCT



LiDAR point height data acquisition is a well established technology for determining accurate elevation models, particularly well suited for areas with dense vegetation and in areas with steep terrain. Accurate construction of 3D elevation models from LiDAR data currently requires rigorously surveyed ground control points. Setting out new ground based GCPs can be very resource intensive, logistically difficult and costly.

Fortunately, Outline has an alternative solution - super™GCP, created using proprietary aerial data collection methodology and advanced data processing techniques. These control points offer accuracies equivalent to that of a ground surveyor using RTK-GNSS.

super™GCP's are acquired as part of Outline's aerial LiDAR data capture process where easily identifiable local features are targeted as control points. Access to site is NOT required and no additional customer input is needed. This makes the process seamless, efficient and especially affordable when compared with traditional methods. All vGCP's are accessible for later validation and audit.

Powered by superGCP technology

KEY LiDAR FEATURES

Data Integrity
Industry-leading accuracy and point density

Range
3D LiDAR point cloud captures over small or large areas

Bespoke Captures
Flexibility to target specific capture windows

Multiple Products
LiDAR elevation data delivered with optional fully co-registered aerial imagery. Delivery of DSM and DEM models plus automated derivatives such as vegetation height, vegetation canopy cover and building footprints

GIS Ready
Final images are ready for direct download into GIS systems or viewed directly in Outline's secure GMap™ web portal

Variety of Models
Range of models, including DEM, DSM, CHM, 3D and more

SPECIFICATIONS

Accuracy	<10cm in x,y and z
Point density	up to 100 p/m
Features	Calibrated system
	No site access required
	Affordable solution

INDUSTRIES

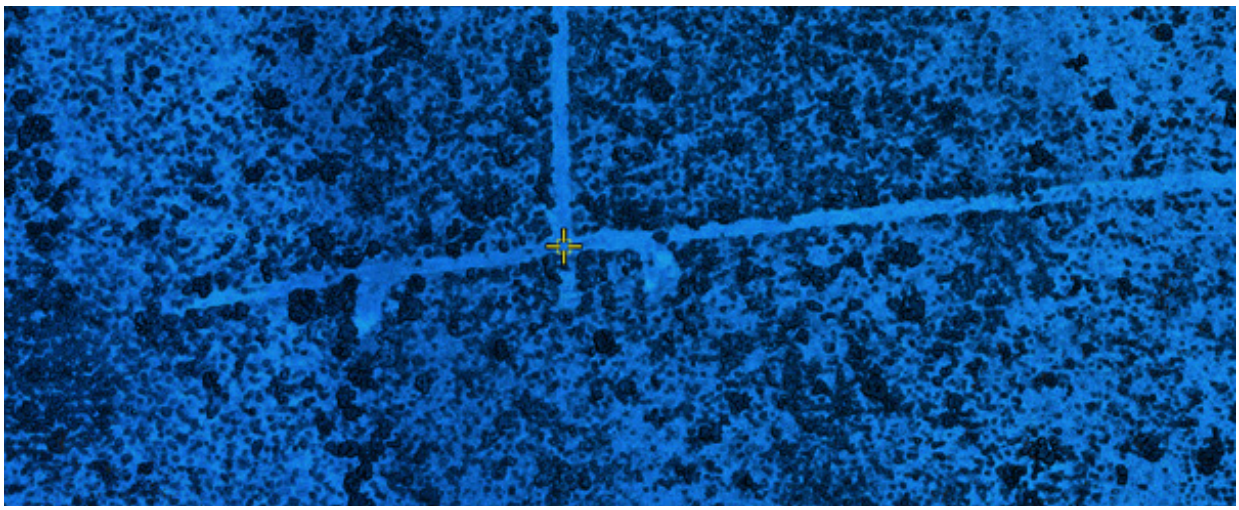
Oil & Gas | Mining | Environmental | Infrastructure | Forestry | Urban

The combination of flexible GTech™ Imagery and LiDAR capture platforms, quality data, advanced AI and easy to use cloud delivery platforms makes the choice simple, speak with Outline today!

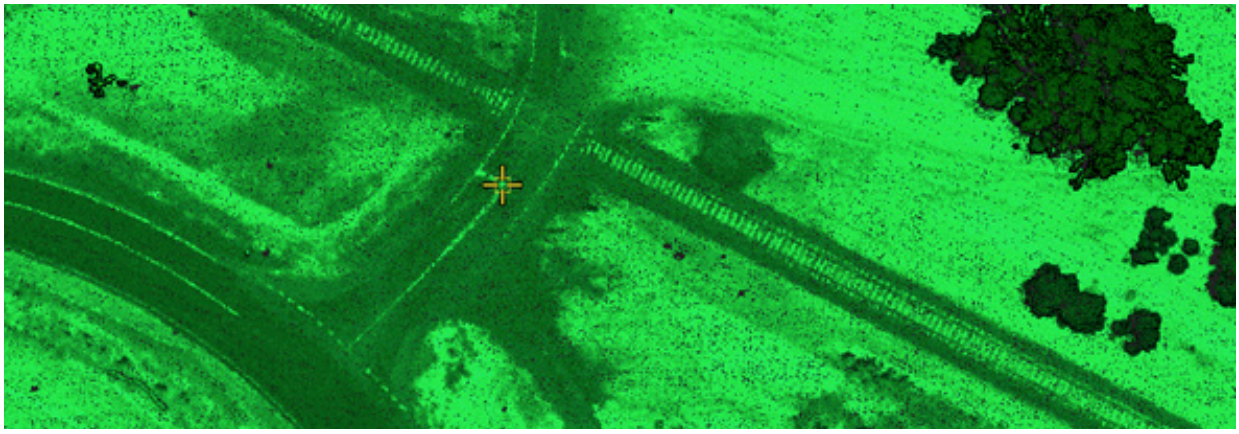
Outline IMAGERY AI

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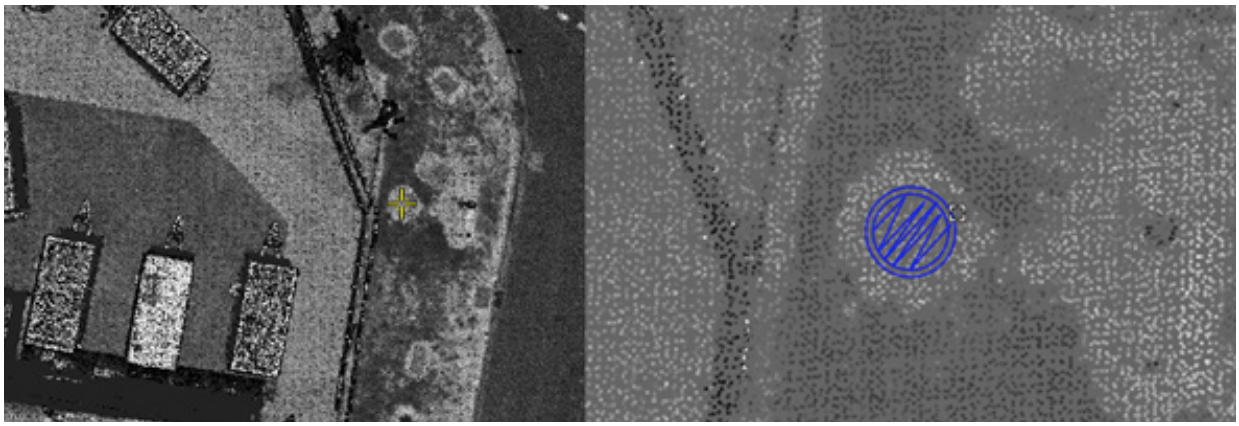
EXAMPLES OF LiDAR superGCP™



▲ super™GCP can be applied to aerial imagery and LiDAR flyovers at a fraction of the cost and more safely than traditional ground based physical surveys*



▲ Replaces the need for ground based survey control in select applications. No site access needed, saving time and money



▲ Peer reviewed test range data proves accuracies better than 10cm in z value and equivalent to RTK-GNSS results †

* when ordered in conjunction with LiDAR or imagery surveys
† Subject to environmental conditions at the time of survey

Outline IMAGERY AI

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