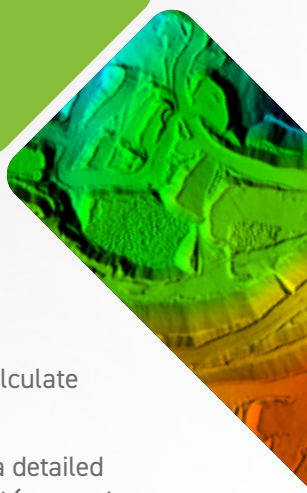
PRODUCT OVERVIEW

DIGITAL ELEVATION MODELS – LiDAR-DERIVED



LiDAR point height data acquisition is well suited for areas with dense vegetation and in areas with steep terrain. Rather than taking a picture, LiDAR scanners emit a laser pulse measuring the time taken for the reflected pulse to return to the scanner. This measurement is used to calculate the distance between the laser source and the object.

The sensor can precisely record height values between vegetation canopy, thereby providing a detailed and accurate representation of the ground surface. Height values are classified into above-ground (vegetation and infrastructure) and ground features. This detailed elevation data can be used for applications such as engineering works, vegetation mapping, drainage and corridor mapping.

Traditional LiDAR systems are unwieldy and expensive but with Outline's flexible and mobile GTech™ Lx240 laser system with tightly integrated GPS-IMU, high-resolution, accurate elevation products can be supplied at a competitive cost. LiDAR data can optionally be served with co-registered image data.

Powered by GTech Lx240 technology

KEY 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

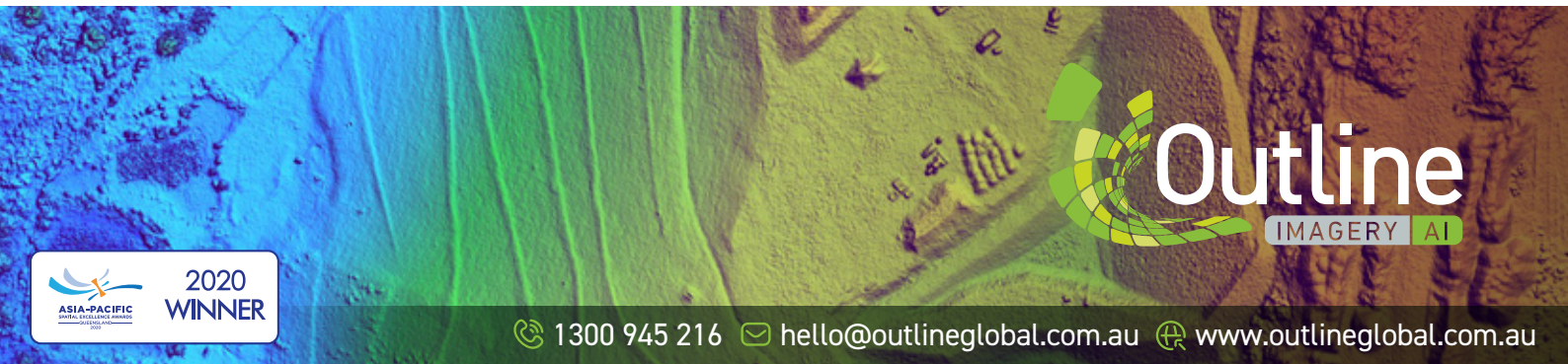
SPECIFICATIONS

Capture areas	1 - 1,000km²
Resolution	From 2 up to 20 pts/m²
Features	Wide field of view
	Automated AI based feature extraction and filtering
Vertical accuracy	As good as 50mm RMSE

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

ASIA-PACIFIC SPATIAL EXCELLENCE AWARDS 2020 WINNER

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