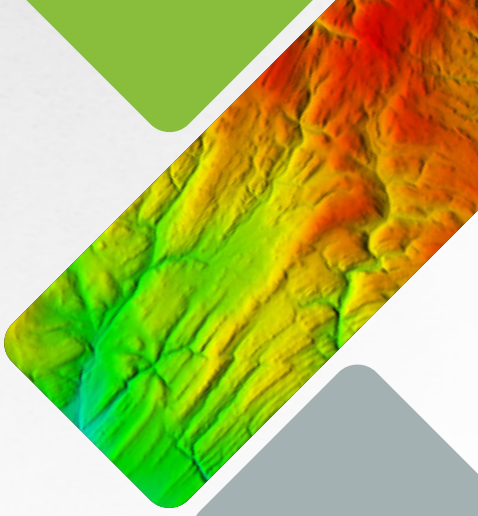
PRODUCT OVERVIEW

DIGITAL ELEVATION MODELS – IMAGE DERIVED



Outline offers several elevation data products tailored to the level of detail and accuracy required for a particular project. We work with our customers to understand their objectives before recommending the appropriate solution.

Image-based Digital Elevation Models (DEM) are derived from stereo imagery using advanced geometric calculations and filtering algorithms. These models can be presented as either;

Dense **Surface Models** (DSM) which represent both the ground and above-ground features such as vegetation or buildings,

or Dense **Terrain Models** (DTM) which filter out all the above ground features to focus on the bare earth. Contours are generated as an additional product from these elevation models.

Outline's elevation products are used for a range of applications including corridors, landform cross-sections, hydrological modelling (drainage maps) and infrastructure mapping.

Powered by GTech 1500 and GTech 2800 technology

KEY FEATURES

Model Detail

Generated at native image resolution, showing maximum detail

Variety of Models

Range of models, including DEM, DSM, DTM, 3D and more

Cost Effective

Derived from image data collected in a single pass, saving money while delivering feature-rich products

GIS Ready

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

SPECIFICATIONS

Capture areas	2 - 50,000km²
DEMs	From 2cm-1m grid interval
Horizontal accuracy	From 2 pixels RME
Vertical accuracy	From 2 pixels RMSE
Value add	AI-based feature extraction and building / vegetation filtering

INDUSTRIES

Oil & Gas · Mining · Environmental · Forestry · Infrastructure · 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!

