

## 60cm Digital Surface Model & Digital Terrain Model

At SATPALDA Geospatial Services, we provide our customers Digital Surface Model (DSM) / Digital Terrain Model (DTM) of very high resolution and high spatial accuracy derived from stereo satellite imagery. Our team can provide both relative DTM/DSM (no ground control) or an absolute DTM/DSM (with ground control) as required by clients, but Ground Control Points will be required at sub-meter accuracy. Breakline, mass points are created to eliminate gaps and interpolated data, allowing users to plan across large areas without worrying about random errors.

Topographic data includes all basic aspects of land surface research including; cartography, Climate impact studies, Geophysics, Geological exploration, Geological and hydrological modeling, Geomorphology and landscape analysis.

<b>Source Imagery:</b>	30 cm stereo satellite imagery
<b>Grid Spacing:</b>	0.60 meter
<b>Accuracy:</b>	
<b>Horizontal Accuracy</b>	With well defined GCPs <1 meter CE90 Without GCPs <3 meters CE90
<b>Vertical Accuracy</b>	With well defined GCPs <1 meters CE90 Without GCPs <3 meters LE90
<b>Minimum Order Area:</b>	100 sq km
<b>Delivery File Format:</b>	GeoTIFF

**Deliverables will be:**

0.60 meter Grid Spacing DTM in GeoTIFF format

50 cm Orthorectified Seamless Colour Imagery in GeoTIFF format

Quality Layer (DTM) in DGN/DWG/SHP format

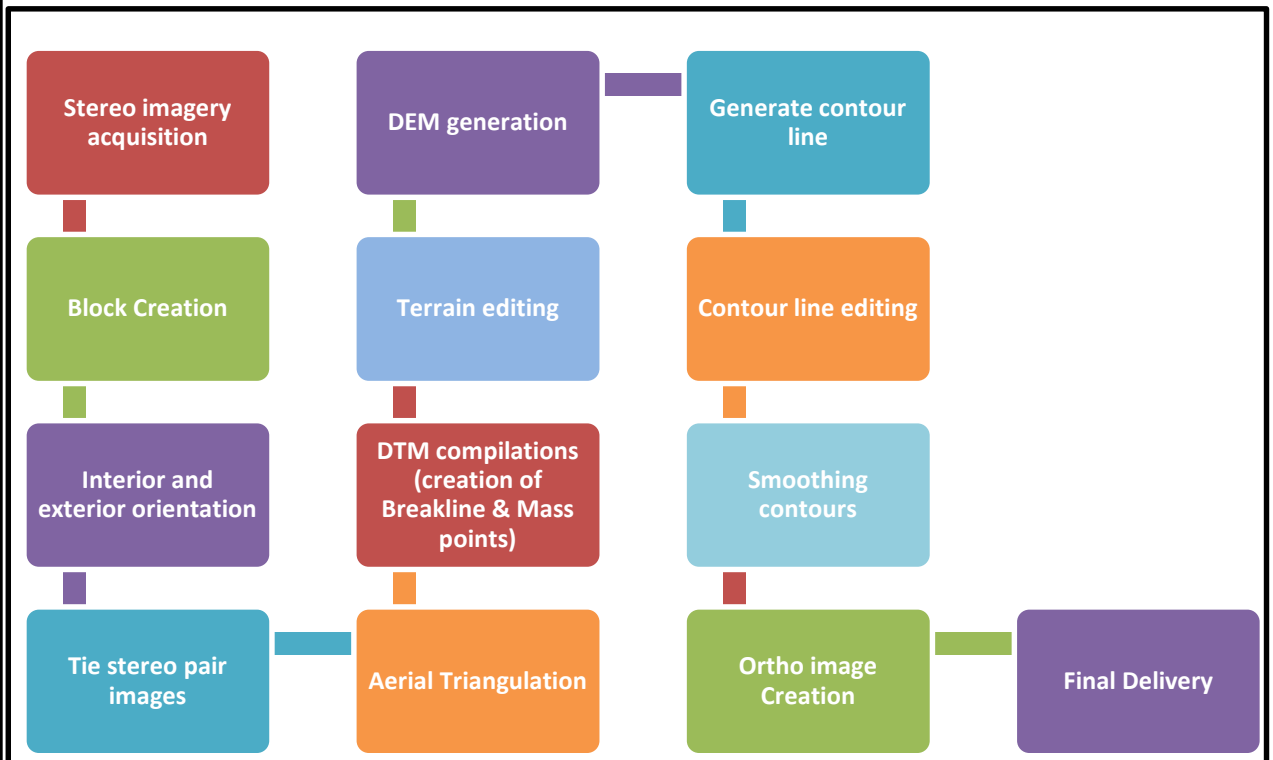
**Projection:**

Geo WGS84 or UTM / WGS84 (custom projection on request)

**Vertical Reference:**

Elevations above mean sea level (on request)

## Flowchart for DTM/ DSM Extraction



Beneath are some samples to demonstrate high quality product generated by SATPALDA.

