

RAMANI AERIAL

ramani

On-demand aerial surveys delivering high resolution imagery and accurate LiDAR data tailored for your needs



Industry Experience

- Over 18 years surveying & mapping
- Projects undertaken in Eastern Africa
- Associated with landmark projects in the region
- Reputable turnaround of complex project



Dedicated Aircraft

- Fully owned by Ramani
- Specially adapted for survey
- High endurance
- Up to date AOC



Modern Sensors

- Large format camera
- LiDAR system with camera
- Integrated GPS and IMU
- Current calibration certificates



Professional Team

- Highly qualified & skilled technical team
- Full-time pilots with over 6000 flying hours
- Specialized and experienced sensor operators
- 24-7 Data processing team



Aerial imagery

Image mosaics with resolution of up to 5cm



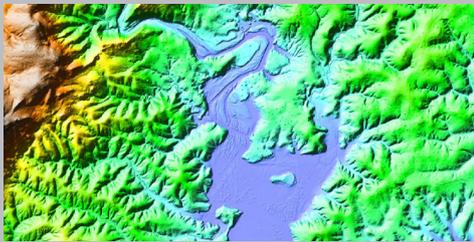
LiDAR Point Clouds

LiDAR point cloud of up to 10 points per square meter



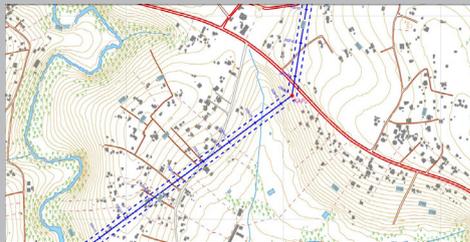
3D Models

3D Models from aerial survey data



Digital Elevation Models

DTMs and DSMs generated from aerial imagery and LiDAR data



2D Topographic Maps

Accurate GIS layers digitized off aerial imagery



3D Maps

Vector data with X, Y, Z attributes



Create seamless maps using GIS Layers and elevation products derived from aerial imagery and LiDAR data

Application

- Road Engineering
- Railway design
- Pipeline design
- Mining
- Planning
- Conservation

- Aviation
- Powerline design
- Telecoms
- Energy
- Government
- Agribusiness

Tech Corner

Hardware & Systems

- </> Vexcel UltraCam X
- </> Leica ALS integrated with Medium Format Leica RCD 3D
- </> XCAM Aerial Cameras
- </> APPLANIX & PosTrack FMS
- </> Camera with FMC and stabilized mounts
- </> 3D stereo-enabled workstations

Processing Software

- </> INPHO Suite
- </> Bentley Microstation & Terrasolid
- </> UltraMap
- </> Leica Inertial Explorer & CloudPro
- </> Leica FramePro
- </> ESRI ArcGIS