



SATPALDA GEOSPATIAL SERVICES

ISO 9001:2008



Unmanned Aerial Vehicle/ Drone

Drone or UAV (unmanned aerial vehicle) is an unmanned aircraft, controlled autonomously and guided by the pilot along definite flight line. Drone is equipped with a high resolution camera. Its services are used to deliver much safer, faster and cost-effective, high quality, measurable data sets. Previously, industrial inspection required manual team survey for collecting information on objects, which is costly, subjective and slow.

At SATPALDA, we practice to utilize drone in some of the most demanding industries and environment. Drone services saves client's money and time and reduce risk exposure by removing manual inspection process. We operate on a very high quality and precision criteria. We turned drone captured images into accurate and georeferenced 2D maps and 3D models. Images we captured are being georeferenced by our team based on some highly accurate ground control points. The output data can be viewed and utilized in CAD format , 3D model, orthophoto or as required by the client.

Advantages of using drone services are as follows: low-cost survey, high resolution imagery, real-time imagery, videography, easy access to the area of interest, time-saving and less man power required, as it can be done by a team of one or two surveyors. We provide our services in following sectors-

- Mining
- Oil & gas
- Construction
- Forestry
- Agriculture/Vegetation management
- Town planning
- Urban planning
- Road and railway corridor mapping
- Utilities
- Governance requirements
- Search and rescue
- Preserving the past and aiming for excellence
- Intelligence and Security

Deliverables

Ortho Imagery: 2 cm, 5 cm and 10 cm resolution

DSM/DTM: 5cm, 10cm Grid Spacing

Delivery File Format: GeoTIFF

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

Vertical Reference: Elevation above mean sea level (on request)