

Advantages of Aerial Survey by Drone/UAV

- ❖ High Resolution, Interactive, Accurate 3D Models & Maps, Fully **CAD Compatible** survey data (AutoCAD Civil 3D / Bentley Road-Rail / other)
- ❖ **2cm - 5 cm** RMSE Positional & elevation accuracy for precise planning
- ❖ Can survey of **wider ROW** without "line of sight" issues unlike traditional survey technology or LiDAR
- ❖ Effective in survey where motor able roads are not available.
- ❖ Effective in Hilly area to capture topographical data in **Slope and Cutting**
- ❖ Quick Survey for Pre- Feasibility Survey, Topographical Survey, Project monitoring of under construction Sites, Inspection of Assets, Generating 3Dmodels for volumetric calculation.
- ❖ **Quick Survey**
- ❖ **Cost Effective**
- ❖ **Engineering Grade Accuracy**
- ❖ **Value added outputs**



Other Services/Sectors/Clients

Geospatial Service

- ❖ Drone/UAV Aerial Surveys
- ❖ Terrestrial LiDAR Surveys
- ❖ Aerial LiDAR Surveys
- ❖ Satellite Based Surveys
- ❖ DGPS / RTK Survey
- ❖ Conventional Survey (ETS / Auto Level)
- ❖ Remote Sensing Geology/Land use Studies
- ❖ Geographical Information System
- ❖ Geospatial Analysis
- ❖ LA Mapping / Flood Studies
- ❖ Environmental Mapping
- ❖ Engineering Analysis

Sectors

- ❖ Road & Highways
- ❖ Railways / Metro
- ❖ Urban
- ❖ Water
- ❖ Mining
- ❖ Irrigation
- ❖ Agriculture
- ❖ Land Mapping
- ❖ Power (Thermal / Hydro / Solar / Wind)



SKYMAP GEO-INFOMATIC PVT. LTD.

P-69, Gali No-8, Shiv Vihar Phase-4, Karawal Nagar,
North East Delhi-110094

Phone: +918826329743, 9999597071

E-mail : Info@skymap.co.in | ankush@skymap.co.in | arun@skymap.co.in

Website: www.skymap.co.in



SKYMAP

GEO-INFOMATIC PVT. LTD.

Geospatial Consultancy Services & Solutions



Aerial Drone Survey

website : www.skymap.co.in

About us

We **Skymap Geo-Infomatic Pvt. Ltd.** is a Geospatial & Engineering Consultancy Company that is based in Delhi India.

Skymap Company technologies in providing like Photogrammetry, Geographical Information System (GIS), Unmanned Aerial Vehicle (UAV), LIDAR, Satellite based , Asset Mapping, Inspection of assets, Topography Survey, Remote Sensing that can help to client to some problem and Favourable time in different Dominion.

Our Vision

We vision is to become one of the most preferred business partner for work force management throughout the globe with our core values – Commitment, Transparency and Integrity

Our Mission

Our Mission is to emerge as a leading recruitment services provider in an environment of growth, fairness, onesty anchored on values of customer delight fusion and innovations.

What We Offers

We Offer Various Services



Satellite
Photogrammetry



Aerial
Photogrammetry



Lidar Survey



Topography
Survey



Asset Mapping



2D Mapping



3D Mapping



Low Altitude Drone
Photogrammetry



Aerial
Videography



Training

Different Prospects

Power line planning and assembly

- ❖ New infrastructure planning surveying
- ❖ Pre-construction surveying
- ❖ Structural installation monitoring
- ❖ Surface stability monitoring
- ❖ Post construction and pre-handover inspection

Periodic structural inspection

- ❖ Pylon top inspection (beam, insulator, overhead ground wire, conductor, etc.)
- ❖ Pylon body inspection (waist, main leg, diagonal, horizontal member, etc.)
- ❖ Pylon base inspection (foundation settlement, etc.)
- ❖ Overhead conducting cable inspection

Power Line Management

- ❖ Vegetation growth monitoring
- ❖ Post storm damage analysis
- ❖ Hazardous nearby elevated structure surveying
- ❖ Erosion inspection on sloping areas

Solutions

- ❖ Periodic main components inspection
- ❖ Environmental impact monitoring on structures (e.g. corrosion and rusting)
- ❖ Fast situation assessment and unreported hazard detection
- ❖ Live monitoring of risky and complex operations
- ❖ Detection of defect components through heat dissipation
- ❖ High-quality elevation maps for infrastructure planning
- ❖ 3d conceptual model for proposed new sites
- ❖ Minimum distance measurement between cables and obstacles or vegetation
- ❖ Tension compliance inspection for powerline cables