



# Agriculture Services

Time to Bring Revolution in  
Agriculture Industry

**SATPALDA** has been working on various **domestic and international** geospatial projects spanning **60+ different countries**. We provide satellite and drone-based high resolution imagery and photogrammetry services to our clients globally.

We are well-equipped with data input from **LiDAR, GPR, Drone and Satellites** to address the issues of managing water resources both domestically and internationally. To address nearly all facets of **water resource management**, we have competence in **geographic data storage and management, hydrologic management, modeling of groundwater, quality analysis of water, and water supply management**. The USP of SATPALDA's services is the **unique blend of technical knowledge and cost-effective quality solutions** delivered on time.



# Technologies

## Satellite Imagery

### GRUS

- No. of satellite: 5
- Orbital altitude: 585km
- Shootable time: 10:40-11:00
- Ground resolution: 2.5m
- Swath: 55km or more



## Drone Imagery



## GPS Field Survey

# Services

## Farm Management Solution

- Geotag farm monitoring
- Crop health parameters
- Customize your farm management solutions with us
- Detect crops sowing
- Compare with the benchmark dataset
- Irrigation monitoring
- Manage activities and tasks for the field team

### **Crop Monitoring Services**

- Crop identification
- Crop acreage estimation
- Crop health monitoring
- Crop loss assessment
- Crop risk modelling
- Crop acreage

### **Ground Truthing Solution**

- Smart ground truthing plan-a cost effective solution
- Ground truthing based on satellite indices
- Customize mobile applications

### **Crop Insurance Solutions**

- Prevented/failed sowing monitoring
- Mid-season adversity assessment
- Localized calamity
- Loss assessment

### **Crop Yield Modelling**

- Crop yield modelling
- Smart crop cutting sampling plan
- Crop cutting experiment validation

### **Forestry**

- Forest cover type mapping
- Identify individual species/horticulture /medicinal
- Forest fire management
- Detection of damage due to climatic events
- Detecting deforestation and forest degradation

### **Land Use & Land Cover Mapping**

Land cover maps are essential for making wise decisions about policy, development, planning, and resource management. It's also critical to differentiate areas from other types of land cover by identifying water surfaces

### **Watershed Management**

- Watershed management solution
- Waterbodies monitoring

### **Disaster Management Modelling**

- Flood modelling
- Risk zone demarcation

# Global Presence

Since 2002, SATPALDA has been working on various international geospatial projects spanning across 60 different countries. The company rose to the need for satellite-based products from various industry verticals such as Oil & Gas, Mining, Urban Planning, Infrastructure, Environment, Telecommunication, Agriculture, Water resources, etc. It was a time when satellite-based high-resolution data market was in its infancy. The company has successfully endeavoured to facilitate its users of public and private sectors through awareness and education campaigns. With innovation and quality as guiding principles, SATPALDA uses advanced technologies and ISO 9001:2015 certified quality system mandates to expand the traditional mapping and GIS applications.

## Our Clients



## Contact Us

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