



Smart Land Acquisition with GarudaUAV: From Cadastral Maps to Dispute-Free Highways

Faster Approvals | Dispute Reduction | Transparency

GarudaUAV Soft Solutions Pvt. Ltd.

Land Acquisition Challenges in Highway Projects



Scattered Records

Mixed formats hinder ownership clarity and verification.



Frequent Disputes

Unclear valuations and boundary issues cause prolonged hold-ups.



Slow Manual Surveys

Time-consuming, error-prone, and require re-surveying.



Compensation Issues

Unfair or delayed payments lead to complaints and stoppages.



Aerial Surveys at GarudaUAV

LiDAR

Hyperspectral

Photogrammetry

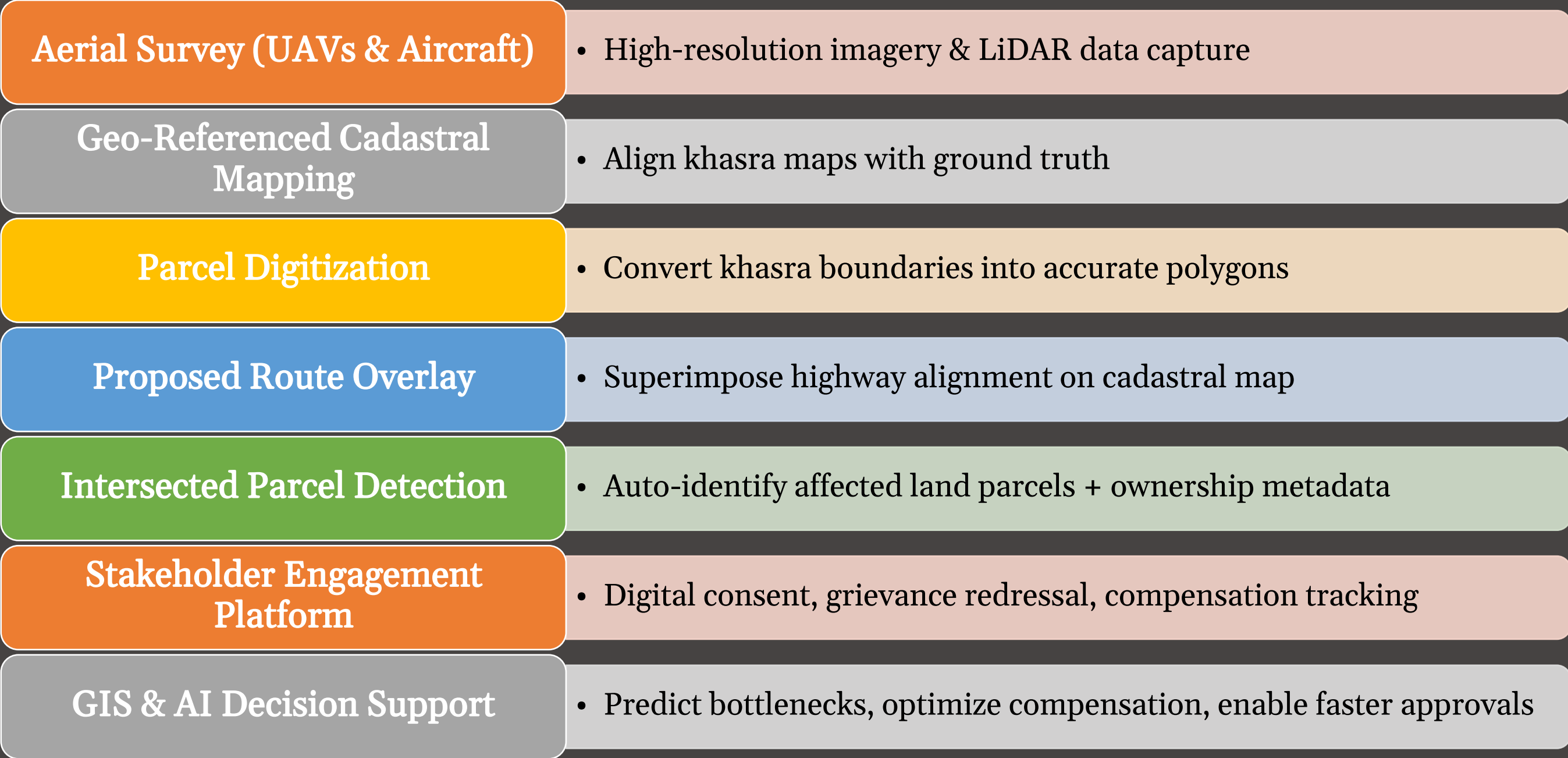
Geophysical

Thermal



Galaxy S24

GarudaUAV's Integrated Land Acquisition Workflow



1:10,000 Page Text Labeling Fast Spatial Adjustment Snapping

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 - Ortho.ecw
 - RGB
 - Red: Red
 - Green: Green
 - Blue: Blue



Types of Forms for Land Acquisition

- 3A. Power to acquire land, etc.
- 3B. Power to enter for survey, etc.
- 3C. Hearing of objections.
- 3D. Declaration of acquisition.
- 3E. Power to take possession.
- 3F. Right to enter into the land where land has vested in the Central Government.
- 3G. Determination of amount payable as compensation.
- 3H. Deposit and payment of amount.

Value Across All Stakeholders

For Government Agencies

- Time-bound acquisition processes
- Enhanced transparency & accountability
- Reduced litigation and legal burdens

For Project Developers

- Predictable project timelines
- Significant reduction in overall costs
- Minimized risks and unforeseen delays

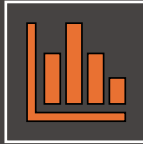
For Citizens & Landowners

- Transparent compensation processes
- Faster grievance resolution
- Fair and equitable treatment

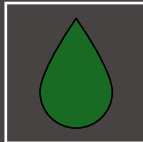
For the Nation

- Accelerated infrastructure rollout
- Stimulated economic growth
- Enhanced national connectivity and development

Parting Thoughts



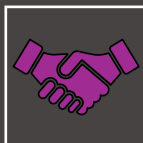
One of the best GIS based company in India for accurate and precise data collection



One of the best companies with dedicated professionals in the 15+ sectors



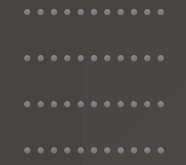
Dedicated AI/ML integrated web platform for GIS data analysis and visualisation



Experience with capacity building programmes and providing technical support to customers



**GarudaUAV: Your Partner in Rapid
Infrastructure Development**



THANK YOU



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