



**EMPOWERING INDIA'S GROWTH
WITH DRONE INTELLIGENCE**

FROM SITE PREP TO PROGRESS TRACKING – SMARTER SURVEYS

About Us

Vaayu Robotics delivers cutting-edge drone solutions to optimize efficiency, reduce costs, and enhance data accuracy across industries. Our expert pilots and advanced analytics turn aerial data into actionable insights—faster, safer, and smarter than traditional methods.

Our Achievements

1,000+

Kilometers Covered

500+

Flying Hours

50+

Projects Completed

Why Us ?

- ✓ **Industry-Leading Experience:** Trusted by energy, agriculture, and construction firms.
- ✓ **Regulatory Compliance:** Certified pilots and insured operations.
- ✓ **Actionable Insights:** Advanced analytics for smarter decision-making.



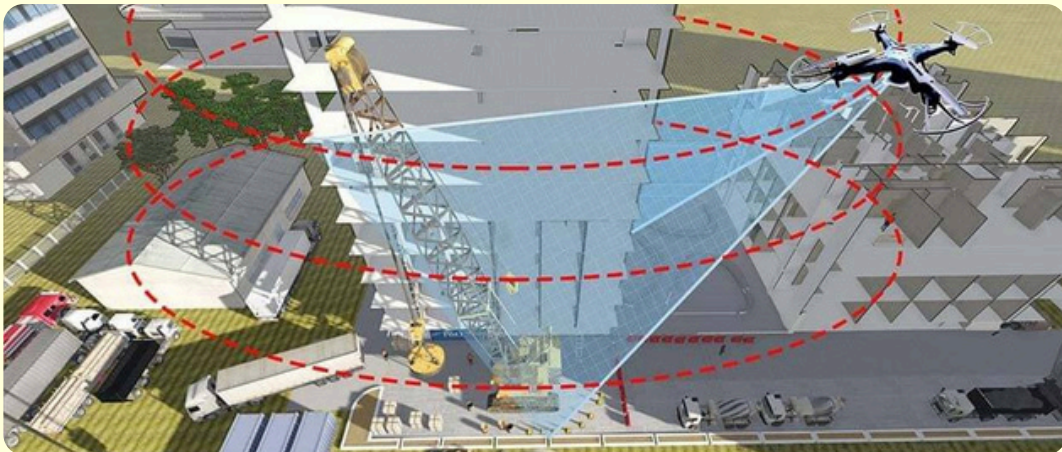
Key Services

1. Pre-Construction Site Surveying

- Generate millimeter-accurate 3D models for excavation, grading, and planning.
- 500+ sites surveyed with 30% faster project starts.

How Drones help

- **Digital Terrain Models (DTM):** Auto-calculate cut/fill volumes.
- **Orthomosaic Maps:** High-res 2D maps for stakeholder alignment.
- **LiDAR Scanning:** Penetrate vegetation for dense terrain mapping



2. Construction Progress Monitoring

- **Monitor Progress:** Real-time aerial views help track the advancement of construction projects.
- **Conduct Inspections:** Drones inspect hard-to-reach or hazardous areas, reducing risk to workers.

How Drones help

- **4K Video & Photogrammetry:** Document progress for investors.
- **Stockpile Volume Measurement:** Precise material tracking.
- **AI Deviation Alerts:** Flag structural misalignments early.

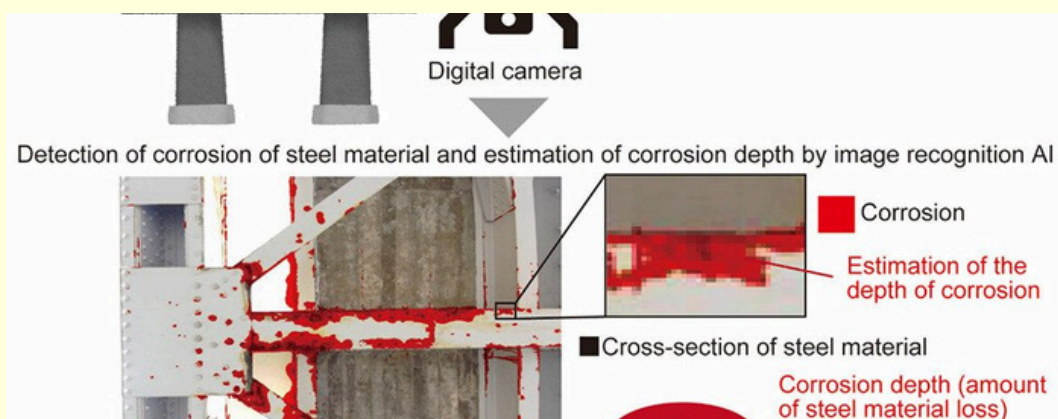


3. Infrastructure Inspection (Bridges, Roads, Towers)

- **Structural Health Monitoring:** Utilize drones to detect cracks, corrosion, and structural weaknesses in bridges and buildings through high-resolution imaging and thermal sensors.
- **Progress & Safety Audits:** Capture aerial views for real-time construction updates, site safety checks, and compliance verification without scaffolding or human risk.

How Drones help

- **Damage Detection:** Drones capture cracks, rust, and surface wear using HD and thermal cameras.
- **Construction Monitoring:** Track project progress and verify work from aerial views.
- **Safety Inspections:** Scan hard-to-reach areas without risking human lives.



4. Post-Construction As-Built Verification

- **As-Built Mapping:** Drones generate high-resolution 2D/3D maps to accurately compare built structures with original design plans.
- **Structural Validation:** Capture and analyze structural dimensions, elevations, and alignments to ensure construction matches specifications.

How Drones help

- **BIM Integration:** Overlay drone data on Revit/CAD models.
- **Punch List Automation:** Generate defect lists in minutes.
- **Client-Ready Deliverables:** Interactive 3D walkthroughs.



5. Real Estate Aerial Media

- **Premium Aerial Photography:** 4K/8K resolution, HDR, twilight shots. Perfect angles to showcase property scale, amenities, and location
- **Cinematic Drone:** Films 1-3 minute branded videos with music, voiceovers. Dynamic shots: Flyovers, reveals, virtual tours
- **Interactive 360° Virtual Tours:** Let buyers "walk" the property remotely. Embeddable on websites, social media

What we deliver

- **Cinema-grade drones:** (DJI Inspire, Mavic 3 Cine)
- **Advanced gimbals** for buttery-smooth footage
- **AI-powered editing** for faster turnaround



ONE PARTNER FOR BOTH YOUR
CONSTRUCTION & MARKETING
NEEDS

THANK *Be the part of our family* YOU

Dual Expertise: We understand both engineering and aesthetics.

Fast Turnaround: From survey data to sales films in days.

Cost Savings: Bundled packages for developers.



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