



APPLIED STANDARDS & INNOVATION

# Construction Site Intelligence

**Powered by ASVI - Visual Intelligence Platform**

Transforming aerial site data into timely, accurate and actionable project intelligence.



## CONSTRUCTION MONITORING

# In The Sky. On The Ground. At Your Fingertips.

We survey your site from the air, walk every flat in progress on the ground, and put independent, objective evidence for billing, progress, safety and decision-making at your fingertips, across projects of every scale, from high-rise towers to expansive villa communities.

### Billing Evidence

Measured earthwork and material volumes to verify contractor and supplier bills

### Progress Against Plan

Site-wide external & internal progress, tracked against your plans and drawings

### Men, Machines & Materials

Independent tracking to improve accountability and reduce leakage

### Engage Buyers & Strengthen Brand

Share 360° site walkthroughs and progress updates with buyers, on your terms



PROVEN ON LIVE PROJECTS

# Every Kind Of Site, Seen In Full Detail



## High-Rise Towers

Three 22-floor residential towers: slab cycle recorded on every tower, façade painting tracked as it rises, basement and site works mapped each month.


**22 floors**

Progress tracked


**43**

 Site observations  
recorded

**62 m<sup>3</sup>**

 Stockpiles  
measured

**5**

 Safety issues  
flagged


## Villa Communities

A 32-acre villa development mapped end to end: every footing, stockpile and hazard pinned on an annotated site map, with villa rows tracked as they rise.


**30 zones**

Excavation tracked


**5,931 m<sup>3</sup>**

 Soil removed  
measured

**3,431 m<sup>3</sup>**

 Material in  
stockpiles

**9**

 Safety issues  
flagged


## Compact Builds

Project Marketing Office and Demo Flat Construction: grade slab, steel fabrication, stored wall panels and underground works all captured, measured and reported.


**27**

 Site observations  
recorded

**49 m<sup>3</sup>**

 Tank excavation  
measured

**49 m<sup>3</sup>**

 Stored materials  
measured

**2**

 Workers without  
hardhats flagged

## HOW IT WORKS

# From Flight To Decision

1

### Capture

Planned, DGCA-compliant drone missions every month

2

### Process

Orthomosaic, 3D model and elevation data

3

### Analyse

Volumes, progress, men, machines, materials, exceptions

4

### Compare

Progress checked against drawings and schedule

5

### Publish

Within 48 hours of capture, with photo evidence for every finding

6

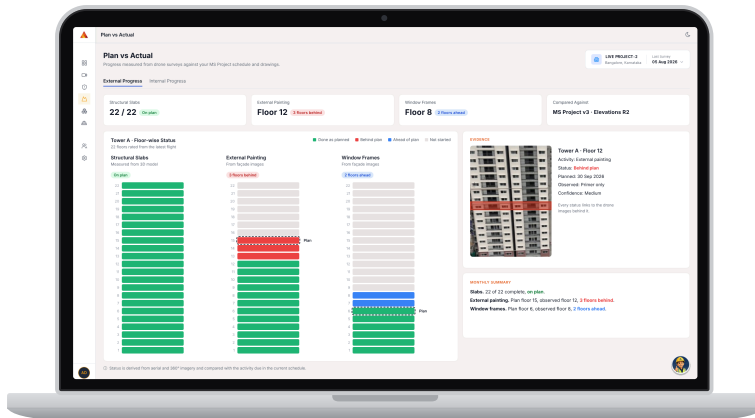
### Act

Billing approvals and corrective action backed by evidence

Site figures from monthly surveys of live construction projects, Aug to Oct 2026.

## EXTERNAL PROGRESS • STRUCTURE &amp; FAÇADE

# Every Tower, Floor & Activity - Against Your Schedule



Illustrative Data

## External Progress Against Plan



**Share your elevations and project schedule once**

Supports MS Project and other common formats.



**Track every tower, floor and activity**

Each survey shows status as Ahead, On Plan or Behind.



**Verify with visual evidence**

Slab progress from 3D model; façade painting and windows from close-range images.



**Track villas and plotted layouts unit by unit**



**Every reported status is backed by dated drone images**

Click through from any item to view the images behind it.

## HOW PROGRESS TRACKING WORKS

1



### Share Your Plan

Provide drawings, elevations and the project schedule.

2



### Map Activities

Link work to towers, floors, flats or villa units.

3



### Capture Regularly

Drone flights outside, plus ground-level and 360° capture inside.

4



### Compare & Verify

Track progress against plan, supported by visual evidence.

## WHAT THIS MEANS FOR YOU



### Spot Delays Earlier

Identify activities falling behind plan between site visits.



### Verify Reported Progress

Compare reported work with dated imagery and measured quantities, where available.



### Manage Multiple Sites

Get a clear view of progress across all your projects without visiting every site for routine checks.



### Resolve Discrepancies

Use dated images, observations and measurements to investigate differences in reported progress.

## KEY DELIVERABLES EVERY ROUND



### 3D Models & Maps

- Orthomosaic and measurable 3D model
- Annotated site map with observations pinned



### Progress & Quantities

- Progress against schedule
- Earthwork and stockpile volumes
- Men, machines and materials counts



### Visual Evidence

- Dated photo log of observations
- Aerial walkthrough video
- 360° site walkthroughs (where captured)

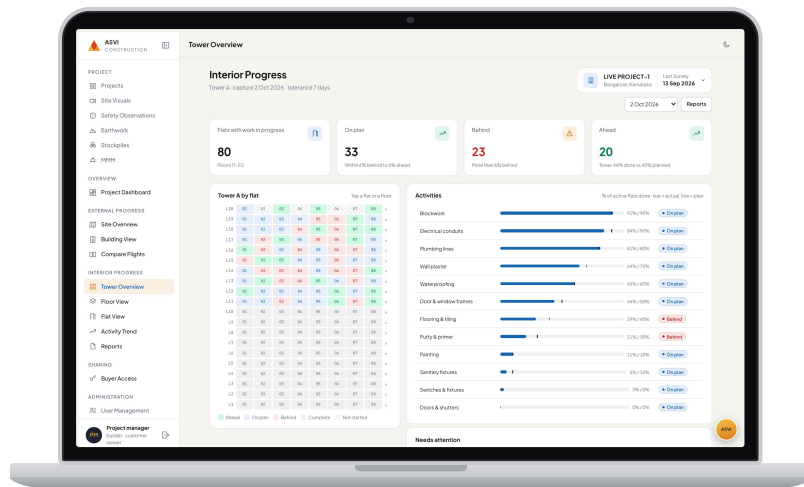


### Reports & Access

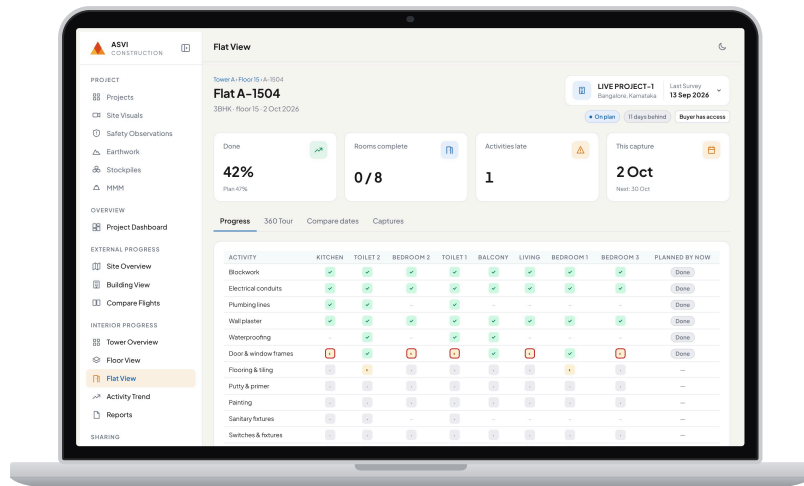
- Web platform access
- Downloadable reports
- Comparison with previous survey rounds
- Critical issues with recommended actions

## INTERNAL PROGRESS • FINISHING WORKS

# Every Flat. Every Room. Progress Against Plan.



Illustrative Data: tower overview, every flat coloured by status against your schedule.



Illustrative Data: one flat, every room against every activity.

## What You Can See & Verify



### Flat-by-flat progress

See the status of every flat, floor and tower, with delayed flats highlighted first.



### Room-by-room activity tracking

Track scheduled finishing activities, from blockwork and electrical work to painting and fixtures.



### Evidence-backed reporting

Review dated 360° imagery and activity observations supporting the reported status.



### Before-and-after comparison

Compare the same room across survey rounds to understand what has changed.



### Human-verified AI analysis

AI assists photo analysis; an analyst confirms key findings before publication.



### Billing and handover evidence

Use documented visual records to help investigate contractor claims and support handover reviews.

## From Tower To Flat, In One View

Drill down from the tower view to an individual flat to see the status of every room and activity, with clear indications of what is complete, on plan or behind schedule.

## WHAT THIS MEANS FOR YOUR PROJECT



### Spot Delays Earlier

Identify flats and activities falling behind plan.



### Verify Progress

Compare reported work with visual evidence.



### Track Every Round

See changes across successive surveys.

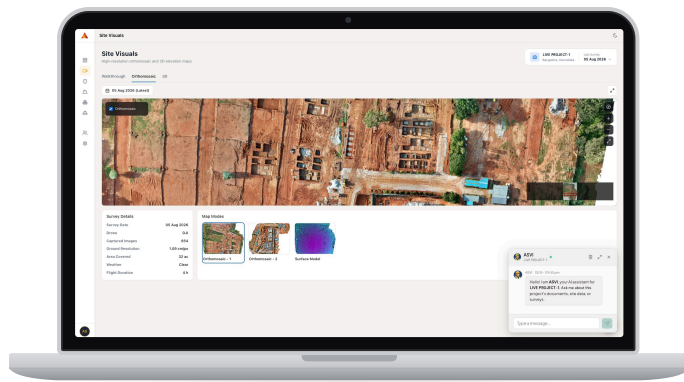


### Support Billing & Handover

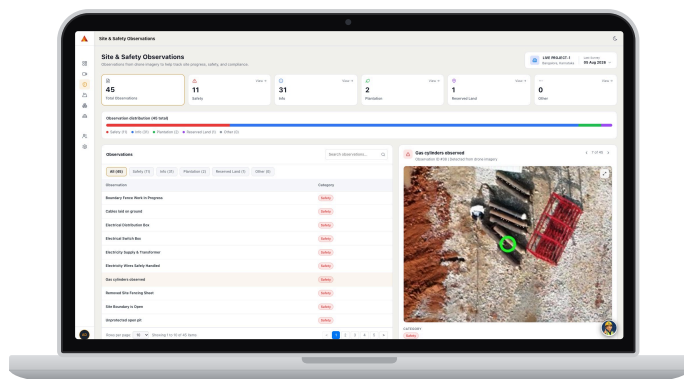
Keep dated visual records of completed work.

## MAPPING • MEASUREMENTS • SITE INTELLIGENCE

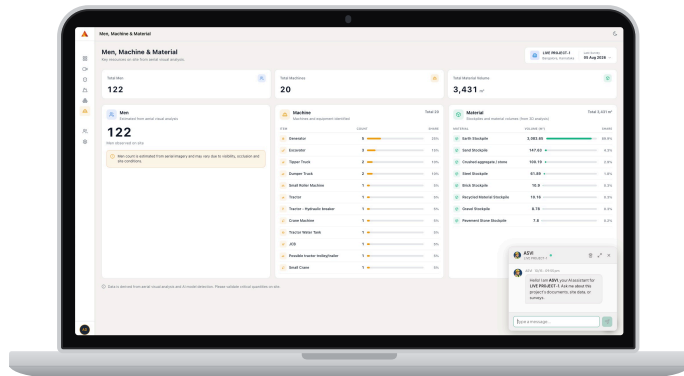
# From Aerial Data To Measurable 3D Models



Illustrative Data: interactive site map with orthomosaic, 3D and survey dates.



Illustrative Data: observations with images and categories.



Illustrative Data: men, machines and material counts with images.

## WHAT THIS MEANS FOR YOUR PROJECT



### Verify Quantities

Independent measurements to support contractor and supplier bills.



### Track Progress

See physical progress and site changes between survey rounds.



### Improve Safety

Identify and monitor hazards and site risks.



### Better Coordination

A single, visual source of truth for all stakeholders.

1

## Explore The Site

Interactive site map with orthomosaic and 3D model for a clear, measurable view of the entire site.



### Explore your site in 2D and 3D

Orthomosaic and 3D model for a clear, measurable view of the entire site.



### Measure volumes and areas

Cut & fill, stockpile volumes, material quantities and excavation areas.



### Compare over time

View changes between survey rounds.

2

## Every Observation Categorised

Find and review all site observations, clearly categorised and linked to drone images.



### View observations with images

See photo evidence for every observation.



### Track status and priority

Open, in progress or resolved, with clear priorities.



### Locate on the site map

Observations pinned to their exact location on the map.

3

## Men, Machines & Materials

Understand site activity with independent tracking of manpower, machinery and material stockpiles.



### View counts with images

See workers, machines and materials with visual evidence.



### Track changes over time

Compare counts and stockpiles across survey rounds.

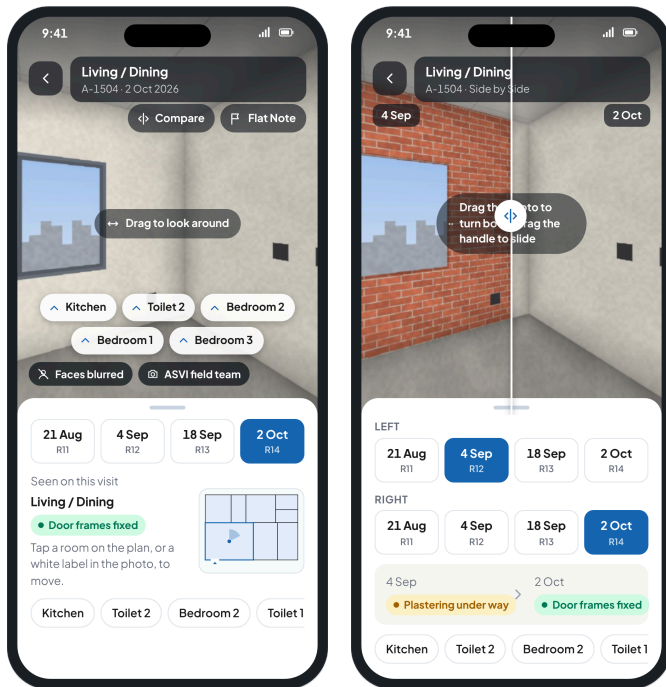


### Support better planning

Use independent counts to improve accountability and reduce leakage.

## BUYER UPDATES

# Share Progress With Buyers, On Your Terms



Illustrative Data: a buyer's 360° tour and side-by-side comparison of two visits



## You decide when and what to share

Choose whether each round is shared and which towers or flats are visible.



## Only buyers on your list can sign in

One-time code to their registered mobile number or email.



## Each buyer sees only their own flat

Their floor is marked on the tower, and a 360° tour of every capture.



## Photos, not numbers

Buyers see photos and visual progress, not schedule details or delay information.



## Faces blurred before sharing

Shared updates stay exactly as captured, which builds buyer trust.



## Fewer Status Calls

Buyers check their flat instead of calling your CRM team.



## Fewer Site Visits

Less safety risk and disruption on site.



## One Official Source

Facts and photos, not rumours in buyer groups.



## Trust In Your Brand

Independent proof that work is moving.

## HOW BUYER SHARING WORKS

1



### Share Your Buyer List

Flat numbers with each buyer's mobile or email, uploaded once.

2



### We Capture And Verify

Every flat in progress, faces blurred, checked by an analyst.

3



### You Choose When

Turn sharing on per tower or per round when you are ready.

4



### Buyers Sign In

One-time code, their own flat only, on any phone.

## BUILT FOR YOUR COMFORT



### Your Data Stays In India

Hosted in Google Cloud's India data centre.



### Published In 48 Hours

From capture to your dashboard, every round.



### Confidential By Design

Separate data for every company, role-based access, NDA on request.



### Zero Site Burden

Our drones, licensed pilots and 360° crew, following your site safety rules.



### One-Time Setup

Share your drawings and schedule once; we configure everything.



### Low-Risk Start

A paid pilot, with the fee credited to your annual contract.

## STRENGTHEN YOUR BRAND WITH TRANSPARENCY



### Happier Buyers

Keep buyers informed with credible, visual updates.



### Build Trust

Demonstrate progress consistently and transparently.



### Showcase Quality

Highlight workmanship and site standards.



### Differentiate Your Projects

A modern, technology-driven home buying experience.

## SERVICES

# Pick The Capabilities You Need

| Capability                                      | What you get                                                                                                                        |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Aerial capture and orthomosaic                  | DGCA-compliant drone flights, a site map with DTM, DSM and 0.5 m contours, and an annotated report for the entire project boundary. |
| Earthwork and stockpile volumes                 | Cut, fill and stockpile quantity measurements across the project boundary.                                                          |
| 3D model                                        | Measurable 3D building models, covering the full height of buildings.                                                               |
| Aerial walkthrough video                        | 1–2 minute edited aerial walkthrough video.                                                                                         |
| External progress vs plan<br>Structure & façade | Tower, floor and activity status against drawings and the MS Project schedule.                                                      |
| Internal progress vs plan<br>Finishing works    | 360° capture of flats under construction, with room-by-room activity tracking against the schedule.                                 |
| Buyer updates                                   | Controlled sharing of each flat's 360° walkthrough with its registered buyers.                                                      |
| ASVI Cloud platform                             | Web platform with reports, maps, observations and survey history.                                                                   |
| Project onboarding                              | Upload project drawings, schedules and other relevant documents to configure progress tracking for the selected service modules.    |

Delivered as a managed service: we capture, process, analyse and publish the agreed outputs. Select the service combination that fits each site.

## BIGGER SITES. LOWER RATE PER ACRE.

|                                                                                                                                           |                                                                                                                                     |                                                                                                                                         |                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>Up to 10 acres</b><br/><b>Standard rate</b></p> |  <p><b>Acres 11 to 25</b><br/><b>25% off</b></p> |  <p><b>Each acre above 25</b><br/><b>50% off</b></p> | <p><b>What it means</b></p> <p>A 32-acre villa community pays approximately <b>23% less</b> per acre than a 10-acre site.</p> <p>A 100-acre township pays approximately <b>41% less</b> per acre.</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Volume tiers apply to per-acre service rates for aerial capture, orthomosaics, earthwork and stockpile volumes. Each service is priced separately. Share your project details for a tailored quote, including multi-site portfolio discounts.

## GETTING STARTED

|                                                                                                                                                                                                          |                                                                                                                                                                                                                         |                                                                                                                                                                                   |                                                                                                                                                                                                 |                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>1</b></p>  <p><b>Site Introduction</b></p> <p>Understand your site conditions and agree on the focus areas.</p> | <p><b>2</b></p>  <p><b>Pilot</b></p> <p>One capture at standard rates, with a full report and platform access for one live site.</p> | <p><b>3</b></p>  <p><b>Review</b></p> <p>Evaluate results against agreed success criteria.</p> | <p><b>4</b></p>  <p><b>Annual Contract</b></p> <p>Set up recurring monitoring for your selected sites.</p> | <p><b>5</b></p>  <p><b>Ongoing Support</b></p> <p>Receive reports, get queries answered and work with a named contact.</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

 Pilot fee credited towards your annual contract.

WHEREVER YOU ARE

# Know Every Site Without Being There

For builders and project leaders managing sites across cities, get a clear, verified picture of every project, every review cycle – without having to visit each site.



## Eyes In The Sky

Drone surveys of every tower, slab, stockpile and boundary



## Facts On The Ground

Our crew walks every flat in progress and captures every fact



## At Your Fingertips

On-demand reports, dashboards & 360° site walkthroughs

### WHAT CHANGES FOR YOU

| TODAY |                                                                          | WITH ASVI                                                                  |
|-------|--------------------------------------------------------------------------|----------------------------------------------------------------------------|
|       | <b>Contractor Bills</b><br>✗ Checked by hand, argued over                | →<br>✓ Measured volumes and dated photos settle every claim                |
|       | <b>Progress Reports</b><br>✗ Compiled by hand from site team updates     | →<br>✓ Independent, room by room, published within 48 hours                |
|       | <b>Proof Of Progress</b><br>✗ Take the contractor's word that work moved | →<br>✓ Same-spot before and after views show exactly what changed          |
|       | <b>Delays</b><br>✗ Spotted at the month-end review                       | →<br>✓ Flagged early by trade, floor and flat                              |
|       | <b>Site Visits</b><br>✗ Drive across town or fly in to check             | →<br>✓ See every tower and flat from any city                              |
|       | <b>Safety</b><br>✗ Hazards found after something goes wrong              | →<br>✓ Hazards flagged with photos every round                             |
|       | <b>Evidence</b><br>✗ Scattered photos on personal phones                 | →<br>✓ A dated 360° record of every room for billing, lenders and handover |



APPLIED STANDARDS & INNOVATION

**Eyes In The Sky. Facts On The Ground.  
Information At Your Fingertips.**

Book a site introduction today: pilot within 2 weeks.

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