



HUVIAiR is a B2B Drone Solutions company that enables the construction industry to increase accuracy, save time and save cost by incorporating drones in every stage of construction lifecycle

The Problem

Construction Industry



Least Digitized

< 20/100 on McKinsey's
Digitization Score



Projects Delayed

Projects take 20%
longer to finish



Over Budget

Projects run upto
80% over budget

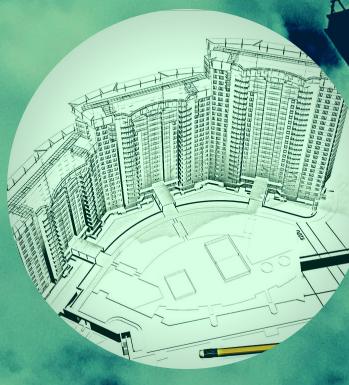
Drone Data in the value chain of Construction Industry



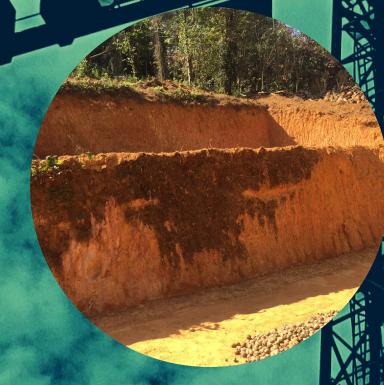
Site Purchase



Land Survey



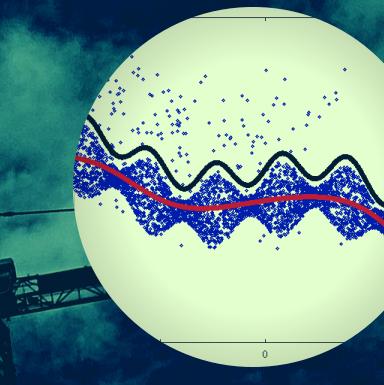
Architecture Design



Earthwork Estimation



Site Inspection



Deviation Detection



Progress Tracking



Project Marketing

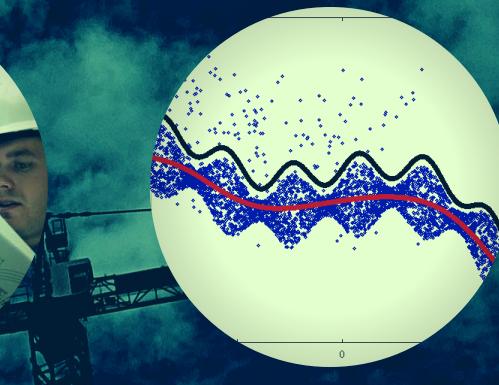
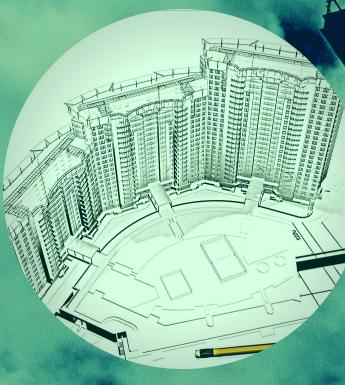
Enabling more informed site purchase decisions through aerial images and videos

More accurate land surveys with orthomosaics, digital elevation models, 3D models, contours and feature maps

Better outputs like DEMs, orthomosaics, 3D models, point clouds, aerial videos and images to take architecture design to the next level

High resolution digital terrain models make volumetric analysis and earthwork estimations a near 100% accurate

Drone Data in the value chain of Construction Industry



Site Purchase

Land Survey

Architecture Design

Earthwork Estimation

Site Inspection

Deviation Detection

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Project Marketing

Site inspections become safer, quicker and more informative with aerial images and videos. Overlaying orthomosaics with site layout drawings helps **detect deviations** at early stages leading to saving in cost and time. Overlaying orthomosaics for different dates gives project managers details of **construction progress** points, enabling decisions on resource allocations. Site **marketing** after construction is completed, through well captures aerial videos and pics.

The HUVITMiR Solution

Use Drone Data to reduce Cost and Time while increasing Accuracy for the Construction Industry



Consult

Advise clients on drone data incorporation at each stage of the construction process



Enable

Train stakeholders to integrate drone data into operations.
Connect them to Drone Service Providers



Visualization Software

Visualize and manage drone data - aerial images, videos, orthomosaics, DSMs, contours, 3D models at each stage of construction.

Value-add to Clients

Save Money

Save upto 70% of the cost in site surveys.

Accurate earthwork estimations save upto 60% of costs

Early deviation detection saves thousands of dollars in complex change orders

Save Time

Complete site survey in 1/3the time

Site inspections get completed 10 times faster

Decision making on resource allocation, change orders and project planning becomes thrice as fast



Value-add to Clients



Increase accuracy

High resolution photogrammetry outputs lead to near 100% accurate layout and architecture design

High accuracy measurements result in superior project execution, devoid of inaccuracies and delays

Enhance Safety

Drones can do inspections and surveys in inaccessible and dangerous terrain, leading to reduced risk and increased worker safety.



Scalable Business Model

One time Consultancy charges-

1. Drone incorporation into operations Rs 1,00,000
2. Training the employees - Rs 1,00,000
3. Technology selection and implementation - Rs 50,000

Charges
per project

Software Subscription model-along the duration of the project.

1. Drone Data processing Rs 8,000 / Month
2. Post processing - Rs 8,000/Month
3. Data storage - Rs 1000/ Month
4. Visualization Software subscription - Rs 1000/ User / Month

Direct Marketing-

1. Marketing our services our online course enrollers who already number > 2000
2. Trade associations such as Credai.
3. Paid Search

Strategic Partnerships

1. Drone service providers
2. Construction PMCs

Go To
Market Strategy

The Market

20,000

Number of real estate under construction projects in india 20,000 (as per RERA)

Real estate Construction Sector in India by 2020

Rs
7,50,000

Average revenue per project - Consulting, Software subscription

Rs 11 Lakh Cr
(US\$180b)

Rs
1500 Cr.

Total market for our product

Traction

Current Projects

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Adarsha Grama Vikasa

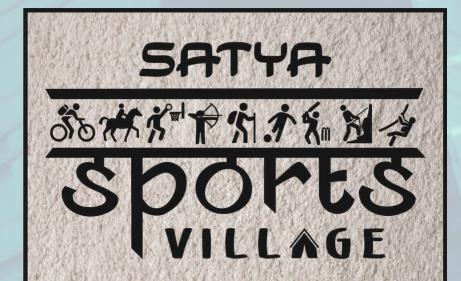
Previous Projects


BRIGADE
GROUP



Faith Coffee Estates

InSolare
Solar Power Unleashed



Affores 木木
Native. Wild. Forever.

The Team



Vikshut Mundkur

CEO

Electronics engineer with in depth understanding of customer requirements, industrial drone data applications, photogrammetry, GIS/CAD software.

Arjun Janananda

CTO

Industrial Engineer with deep understanding of image processing, photogrammetry computer programming, data analytics, terrain mapping and product development.

Industry Experience



Industry Experience

Bank of America



Deutsche Bank