

ATOM AVIATION SERVICES

We Understand your Requirements



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About Us

Atom Aviation Services is a ISO certified MSME recognised by Ministry of Commerce and Industry. Delhi-based company primarily deals into surveys, Drones, Solar inspection, Power line inspection Topographical Survey, Final Location Survey, Helicopter Survey etc.



Specialized in using "Unmanned Aerial System " UAV (Drone) for planning , Monitoring and Management Railway Projects in Different Stages such as proposed/ongoing/ running lines.

National and International project experience using modern survey technologies and best practices since 2015. Technologies such as Satellite Photogrammetric Surveys, Aerial Survey, LiDAR , Geographical Information System (GIS), Remote Sensing and DGPS to collect accurate information and provide various planning studies to its client .

SERVICES

Aerial Photogrammetry

1

Videography

2

LiDAR Survey

3

Assets Inspection and Monitoring

4

Thermal Mapping

5

Satellite Data Procurement and Processing

6

GIS Services

7

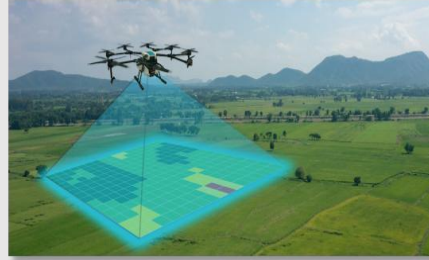
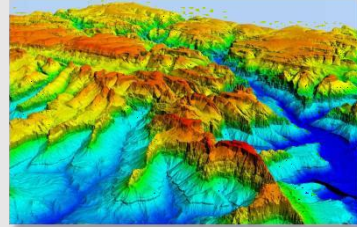
Topographic Survey

8

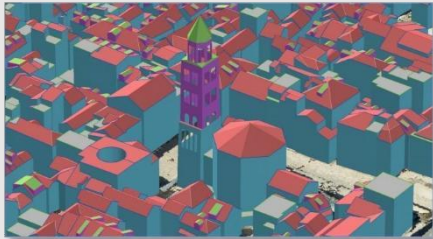
BIM

9

AERIAL PHOTOGRAMMETRY



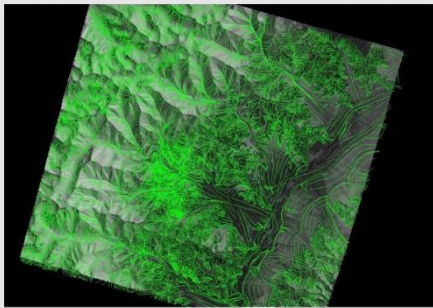
DEM/ DSM/
DTM



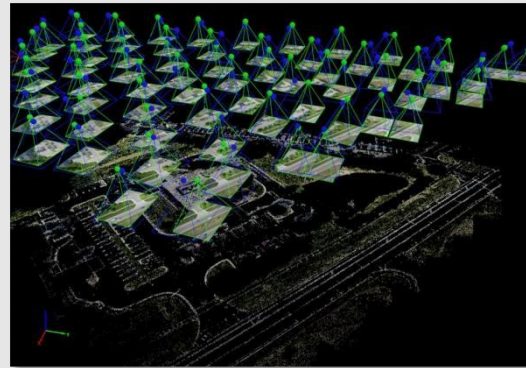
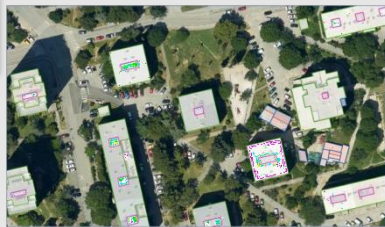
AERIAL



Aerial
Triangulation

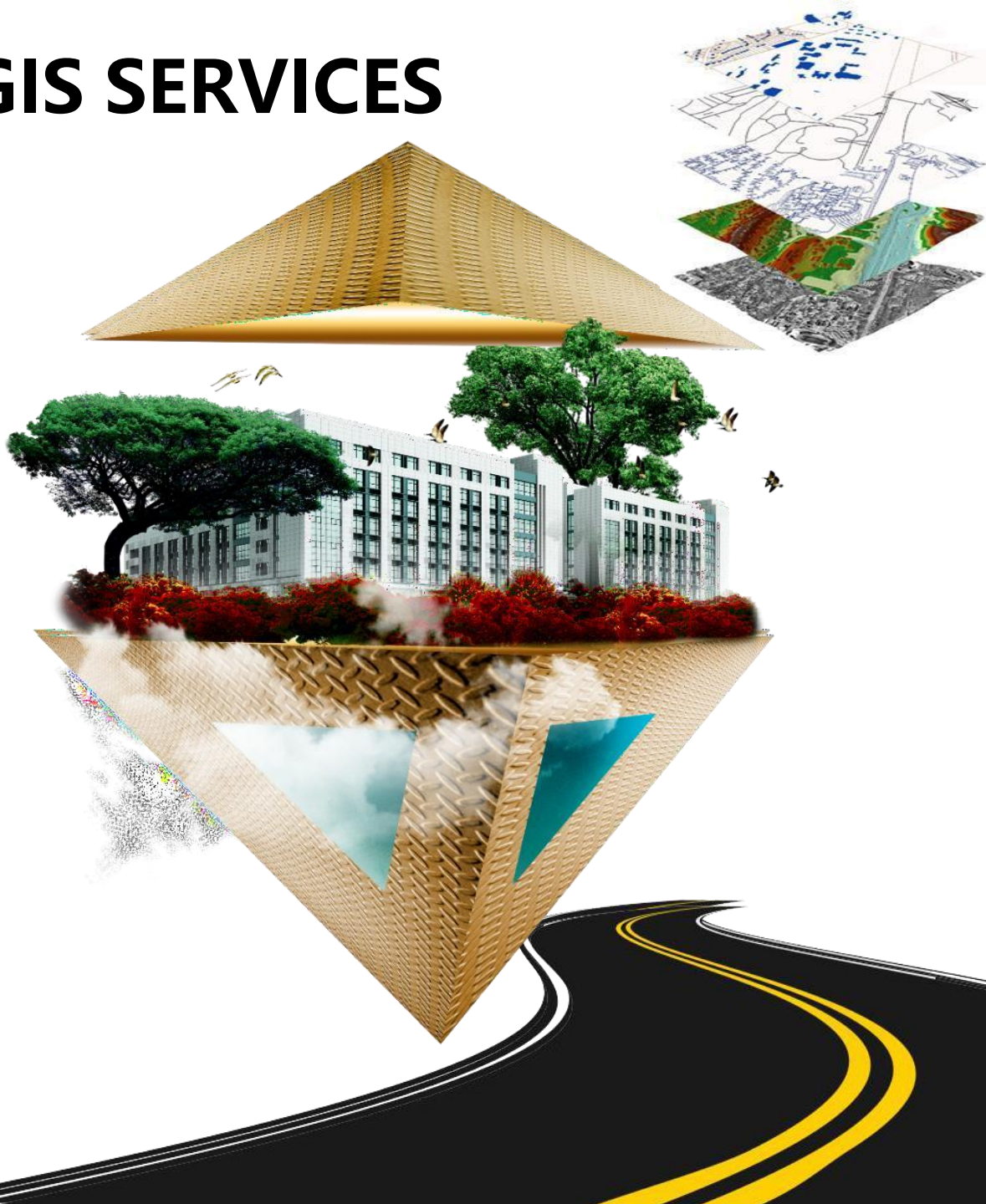


PHOTOGRAM-
METRY



UAV Mapping

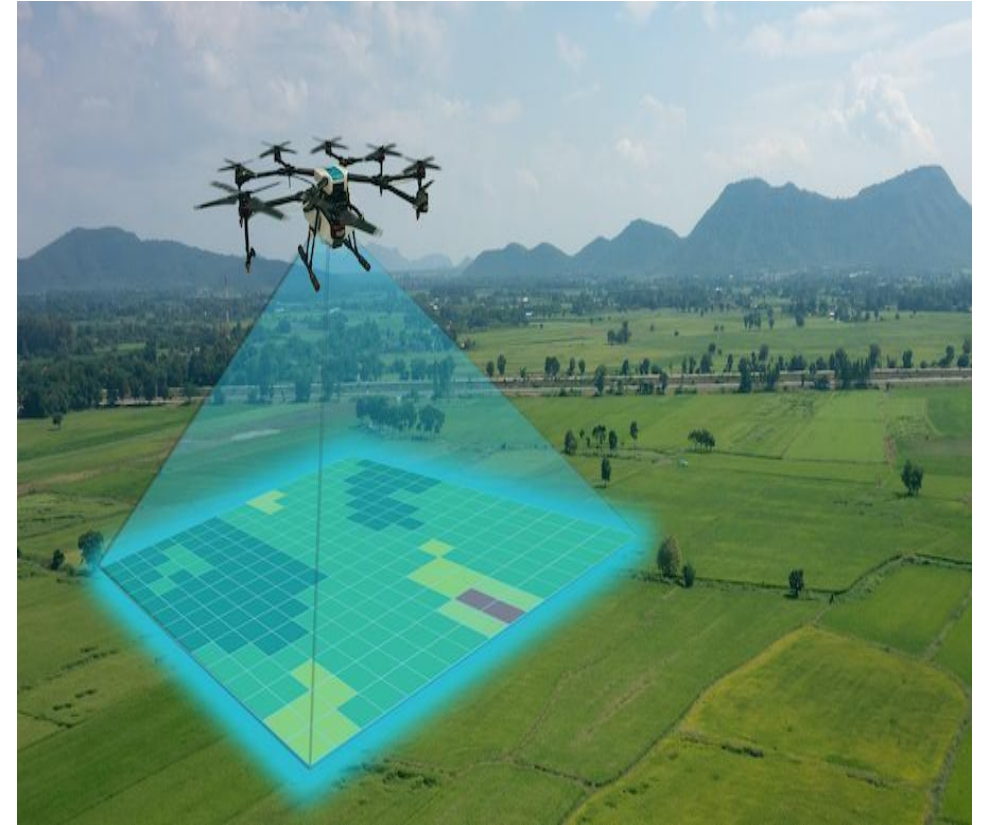
GIS SERVICES



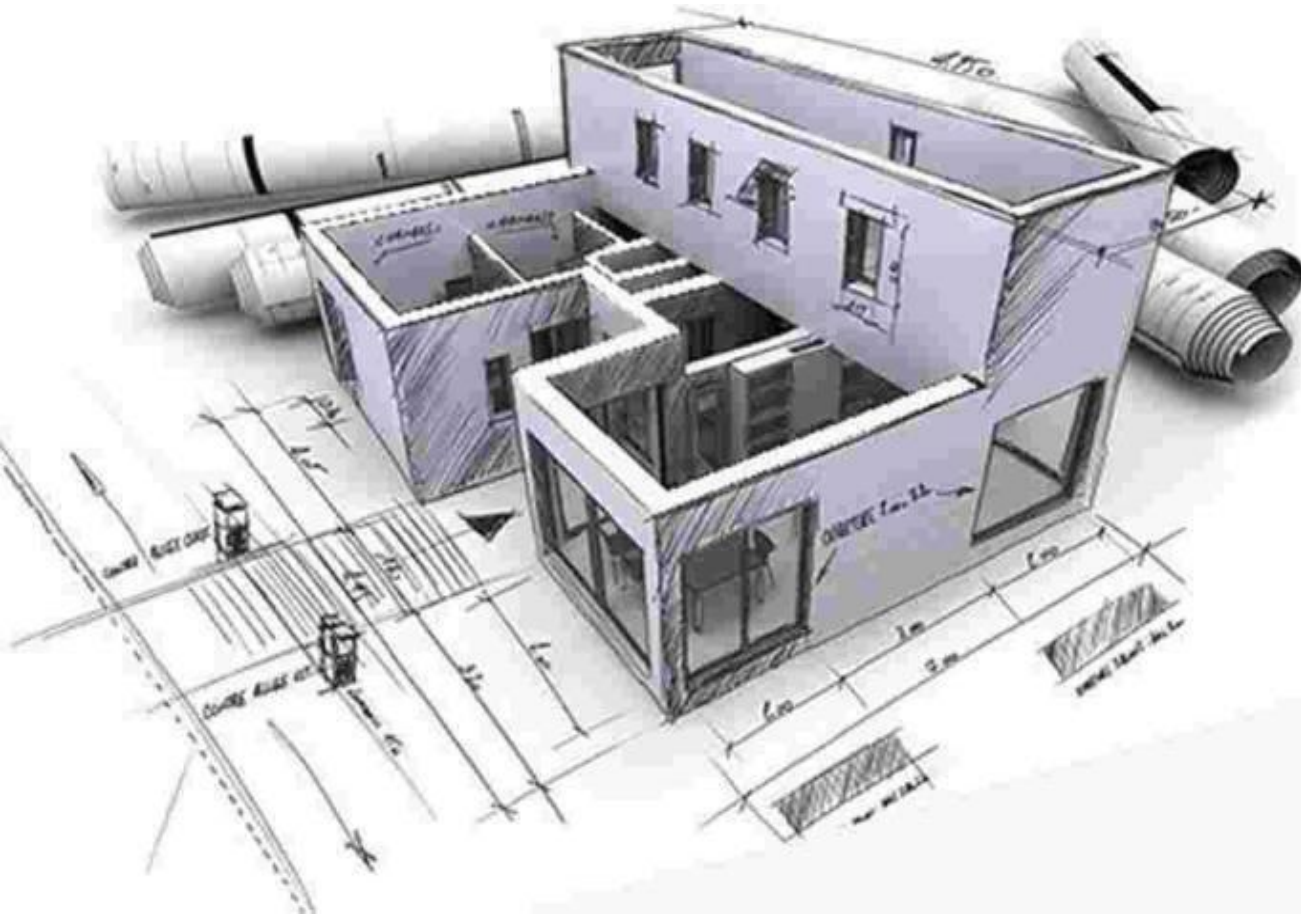
A Geographic Information System (GIS) is one of the best tools which is currently available for managing geographic information. Many sectors are utilizing GIS because it offers a way of understanding and perform multiple analyses, and synthesizing results into maps and reports.

LiDAR Survey

We at Atom Aviation combines LiDAR with GIS data and other survey information to generate complex geomorphic structure mapping products, advanced 3D models/earthwork profiles, rendering of structures, and many additional high value mapping products.



CAD Engineering



We specialized in BIM solutions, 3D BIM modeling CAD drafting service as well as integrated project delivery services. Atom Aviation ensures high level of quality in building services models, drawings and spatially coordinates building structure. We also offer drafting services for under floor heating & cooling and solar panel.

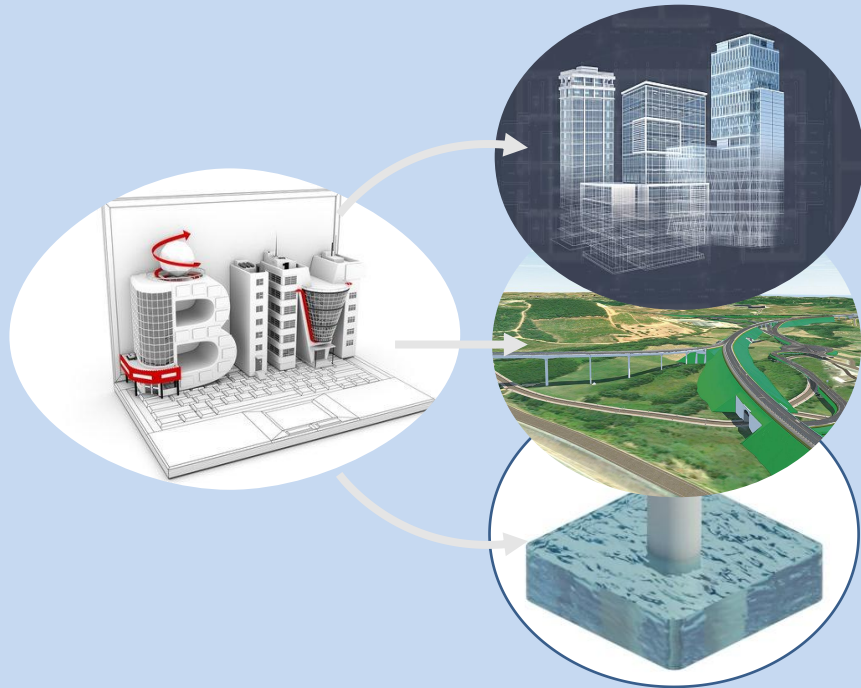
GPR (Ground-penetrating Radar) Survey

Various applications use GPR surveys, including utility mapping, environmental site investigations, geotechnical assessments, and archaeological research. This non-intrusive method provides valuable insights into subsurface conditions without the need for extensive excavation, making it an efficient and versatile tool in the field of geophysics.



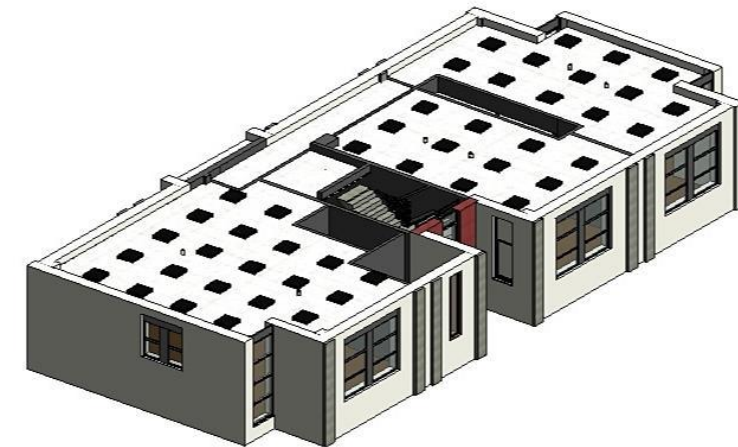
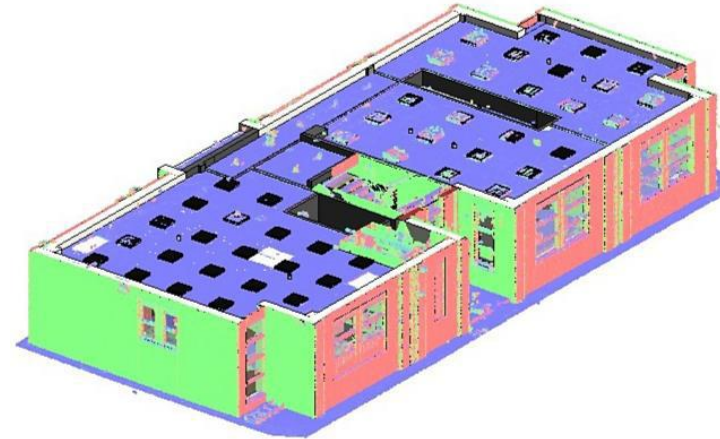
BIM

Atom Aviation Services Private Limited is Leading services provider that offers services like BIM Modelling, Clash detection and Coordination, shop drawing, As-built drawing, BIM 4D/5D/6D simulation, BOQ and schedule generation (LOD 350 and 400) for areas like Residential Building, Hospitality buildings, Commercial, Warehouse, Educational Buildings, Liquid Storage Yard, Aviation Building, Highways, Roads and Tunnel.



OUR SERVICES

- BIM Modeling (LOD 200 to 500)
- Clash Detection & Coordination (LOD 300 to 500)
- Shop Drawings (LOD 400)
- BOQ & Schedule Generation (LOD 400 & 500)
- As-built Drawings (LOD 500)
- BIM 4D/5D/6D Simulation



Surveying Services



Atom Aviation provide a variety of surveying services including wetland delineation, boundary, as- built, tree, topographic surveys, staking of roadway and drainage projects and providing finished floor elevation certificates for real estate closings.

Surveying Services



The Surveying & Mapping services offered by ATOM AVIATION using Total Stations, Auto levels, GPS, Laser Scanners, etc. are:

- Topographic Surveys
- Cadastral Surveys
- Route Surveys
- Utility Surveys
- Urban Planning/Property Surveys
- DGPS Control Surveys
- Engineering Surveys

An aerial photograph of a coastal region. On the left, a large, light-colored, textured area, possibly a beach or a large construction site, slopes down towards the water. In the center, a city with a dense grid of buildings is visible. To the right, a large body of water, likely a bay or a large river, is shown. The sky is clear and blue. The image is partially overlaid by a semi-transparent white box containing text.

Our services include:-

- ❖ Bare Ground and Full feature classification
- ❖ Powerline Classification & Vectorization
- ❖ Utilities Corridor Classification
- ❖ Transportation Planning
- ❖ Mobile Mapping
- ❖ 3D Vector Extraction
- ❖ LiDAR Modeling And Meshing
- ❖ DSM/DEM Generation
- ❖ Contours Generation
- ❖ Orthophoto Generation

Our Services Include:-

- ❖ CAD Drafting Services
- ❖ MEP Draftng
- ❖ BIM
- ❖ PDMS (Plant Design Management System)
- ❖ Underfloor Ducting Drafting Services
- ❖ Floor Plans
- ❖ Construction Document
- ❖ Ducting layout
- ❖ Electrical & Piping Modeling
- ❖ 3D Modeling
- ❖ Solar Panel Drafting Service
- ❖ Walk Through Animation

OUR CLIENTS

AVAADA



Pier Seven



JAKSON



CEG
Engineering Your Future

AHPL



DIMTS
We help people move



itcon



एनटीपीसी
NTPC



बीएसएल
BHEL

BIADA
Bihar Industrial Area
Development Authority

adani



MS INFRAENGINEERS PVT. LTD

SAMSUNG



GMR



पावरग्रिड

DFC
Dedicated Freight Corridor

For Masses From India's
Railways Nigeria Limited

KCC Buildcon Pvt. Ltd.
Dedication to Quality

NAIDCL
BUILDING INFRASTRUCTURE - BUILDING THE NATION

beml
NEW FRONTIERS, NEW DREAMS

TATA
TATA PROJECTS

MCC
MONTE CARLO

OIE
Oriental InfraTrust

GAWAR
Construction Limited

RR Infrastructure

ASHOKA
Ashoka Buildcon Ltd.