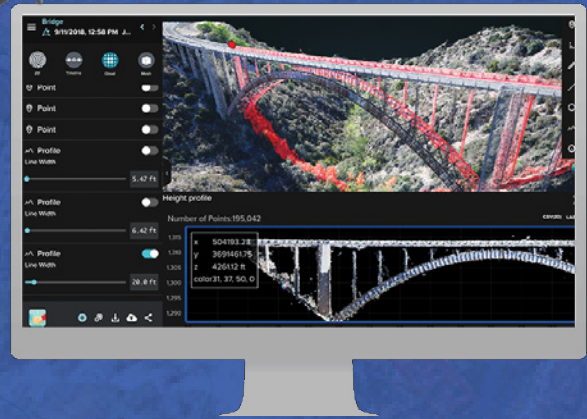# Site Scan for ArcGIS®

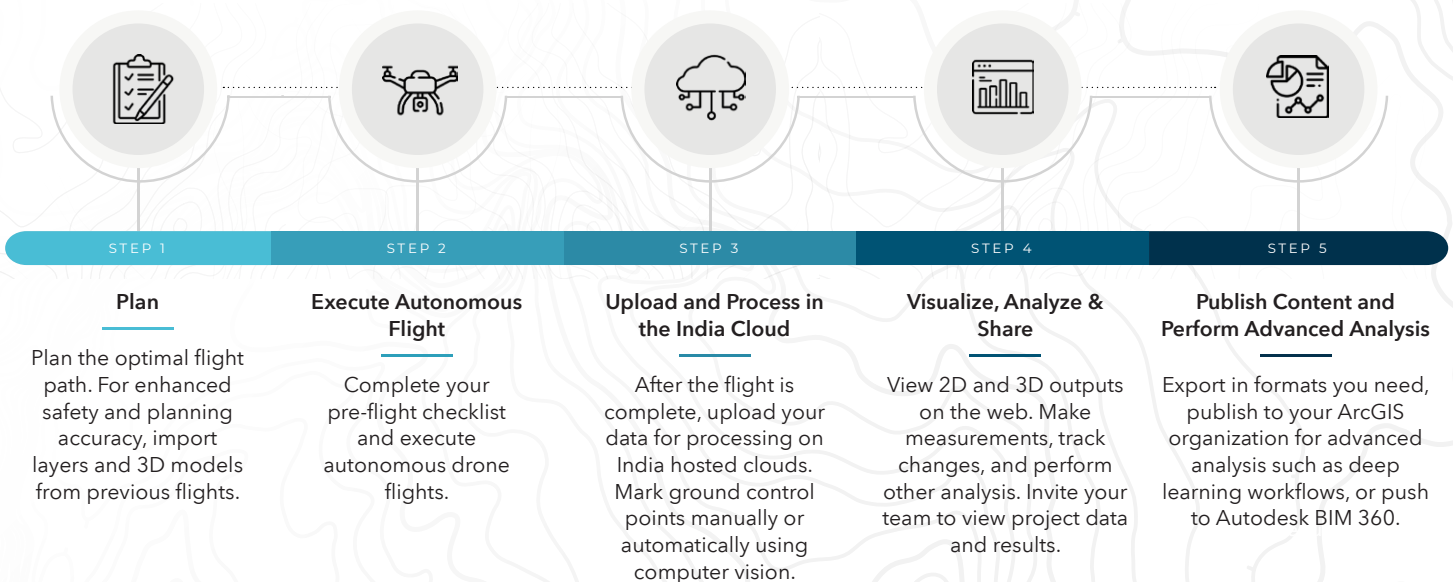## A complete reality capture workflow for AEC

Site Scan for ArcGIS is a drone mapping software that provides an end-to-end workflow for acquiring and processing drone imagery, working with the resultant data products, and managing your engineering and construction assets.

With Site Scan for ArcGIS, Architecture, Engineering, and Construction (AEC) firms can:

- Create autonomous 2D and 3D flight plans to capture drone data.

- Upload drone photos right from the field and create 2D and 3D models of construction sites in minimal time.

- Generate Ortho Images, Elevation Models, Meshes, and Point Cloud easily.

- Import CAD overlays for easy QA/QC, perform time-based analysis & clash detection.

- Share data efficiently with your teams & improve data visualization & communication across key project stakeholders.

How It Works:

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Plan	**Execute Autonomous Flight**	**Upload and Process in the India Cloud**	**Visualize, Analyze & Share**	**Publish Content and Perform Advanced Analysis**
Plan the optimal flight path. For enhanced safety and planning accuracy, import layers and 3D models from previous flights.	Complete your pre-flight checklist and execute autonomous drone flights.	After the flight is complete, upload your data for processing on India hosted clouds. Mark ground control points manually or automatically using computer vision.	View 2D and 3D outputs on the web. Make measurements, track changes, and perform other analysis. Invite your team to view project data and results.	Export in formats you need, publish to your ArcGIS organization for advanced analysis such as deep learning workflows, or push to Autodesk BIM 360.

Applications in AEC

Site Scan for ArcGIS enables AEC firms to:

- **Easily monitor progress & inspect assets:** Take project construction management to a new level with the ability to monitor progress in maps, dashboards, and web apps fed from real-time location intelligence data sources. Make proactive, informed decisions from relevant data anytime and anywhere.

- **Make highly accurate annotations & measurements:** Perform drone analytics by measuring distances, surface areas, and volumetrics, conducting temporal analysis, generating cut/fill maps, and measuring change over time. Accurate measurements help save time and money, reduce risk, and better manage resources onsite.

- **Effectively integrate drone outputs with Autodesk Revit, Autodesk BIM 360, and AutoCAD:** Maintain quality control by comparing your drone data to design overlays, including those in your Autodesk Revit, Autodesk BIM 360, and AutoCAD environment or compare it to drone data captured earlier in the project.

- **Efficiently disseminate data and collaborate:** Share information with your stakeholders in varied formats; whether in a 3D view, as a report, or as a map within ArcGIS Online or ArcGIS Enterprise; invite read-only users to analyze data in Site Scan; share content and report issues within Autodesk BIM 360; or export in common file formats.
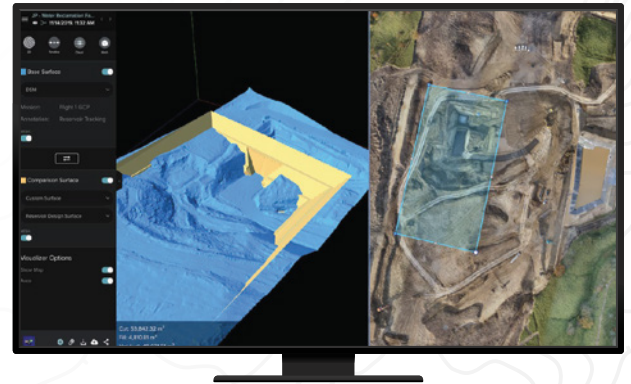
Site Scan for ArcGIS – Achieve Unmatched Excellence in your AEC Project!

Get more information or request a demo at **go.esri.in/sitescan**

Request a demo

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