GEODATA SOLUTIONS FOR
RF + Network Planning

FOUNDATION DATA

Satellite imagery, aerial photography, LiDAR, and other remotely sensed data act as the foundation of your geodata model. East View Geospatial (EVG) carefully considers the needs of your network planning project before choosing source imagery for production, ensuring a high-quality geodata model at the lowest cost possible. From tasking the collection of new imagery to the creation of 3D models, we deliver end-to-end image processing services.

Your Centralized Source for Satellite Sensors

EVG is an established authorized reseller for leading commercial satellite and aerial imagery companies. We regularly task the collection of new imagery from our network of sensors, providing the latest snapshot over your area of interest.

In addition to satellite imagery, we collect and process Synthetic-Aperture Radar (SAR) and Light Detection and Ranging (LiDAR) data. Whether detecting objects not captured by optical sensors or making detailed terrain models, we're downloading and delivering products with the latest remote sensing data.


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Imagery Partners

We have standing partnerships with all major imagery suppliers and constellations, including:

- 21AT Asia
- ALOS
- BlackSky
- Capella Space
- Hexagon Imagery
- ImageSat International
- Maxar Technologies
- Planet
- PlanetObserver
- SATREC
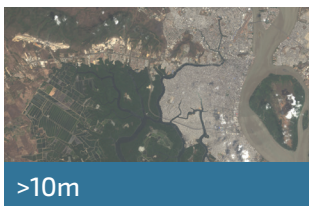
DERIVED PRODUCTS

Build and maintain your wireless network with state-of-the-art geodata from East View Geospatial. Choose from a variety of off-the-shelf products for immediate access, or leverage our in-house team of production analysts to create custom data fit to your project's specifications. As experts in cartography and spatial modeling, we guarantee the delivery of accurate data in any RF planning or GIS format.
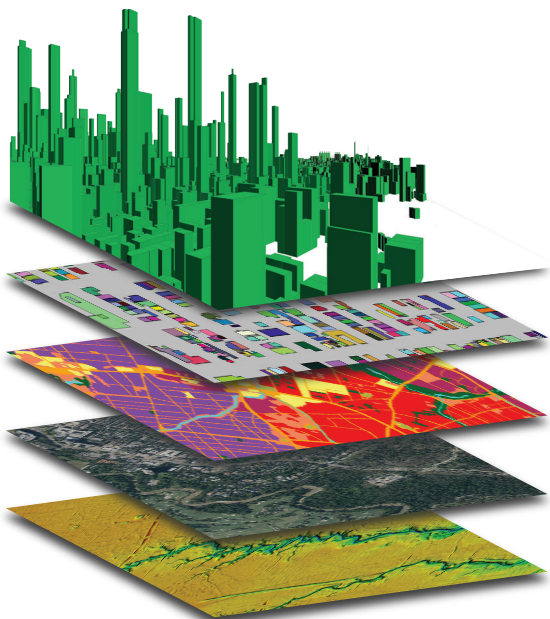
3D Vector Data
Derived from stereo imagery or LiDAR, 3D vector data portray features with measurable vertical relief including buildings, trees, and other potential signal obstructions. Useful in dense urban planning and small cell design, 3D data allow for accurate network propagation modeling and high frequency line-of-sight network applications.

2D Vector Data
Polygons, lines and points used to represent features such as buildings, roads, or other places of interest. Fully georeferenced and can be attributed to contain unique quantitative and qualitative information.

Clutter
Categorical representation of the Earth's land cover into distinct classes. Available in 2D and 2.5D dimensions. Classification schema and resolution dependent on source imagery, though can be customized depending on area of interest and the specific application. Useful in modeling frequency inference caused by vegetation and other land cover features.

Imagery
High resolution satellite imagery and aerial photography facilitating visual interpretation of geodata layers. Imagery is ortho-rectified using high-resolution DEMs to ensure geometric accuracy.

Digital Elevation Model
Includes both Digital Terrain Models (DTM) and Digital Surface Models (DSM). DTM are a 3D representation of the Earth's bare surface, while DSM provide a 3D model that captures all objects extruding from the Earth's surface, including tree canopies and man-made features like buildings. Available off-the-shelf or through custom production, DEM can be provided at multiple scales and resolutions depending on the application.

POPULATION DATA

Enhance your network planning efforts with population data from East View's Global Census Archive,® an innovative program to procure authoritative census data from around the world. Accurately predict areas of high traffic demand, strategically design greenfield deployments, and improve upon existing networks with the latest demographic and population distribution data.

Customize Your Geodata with EVG and Save

East View Geospatial is committed to fulfilling the needs of your RF planning initiative. We design a geodata package that's tailored to you by carefully assessing your projects requirements, determining the appropriate specifications, and delivering a product that's easily integrated into the RF planning software of your choice. From single files to comprehensive packages, we pledge to reduce your costs and increase your value by providing only what your project necessitates.

Interested in More Information?
Contact geospatial@eastview.com to learn how East View Geospatial can support your organization's needs.