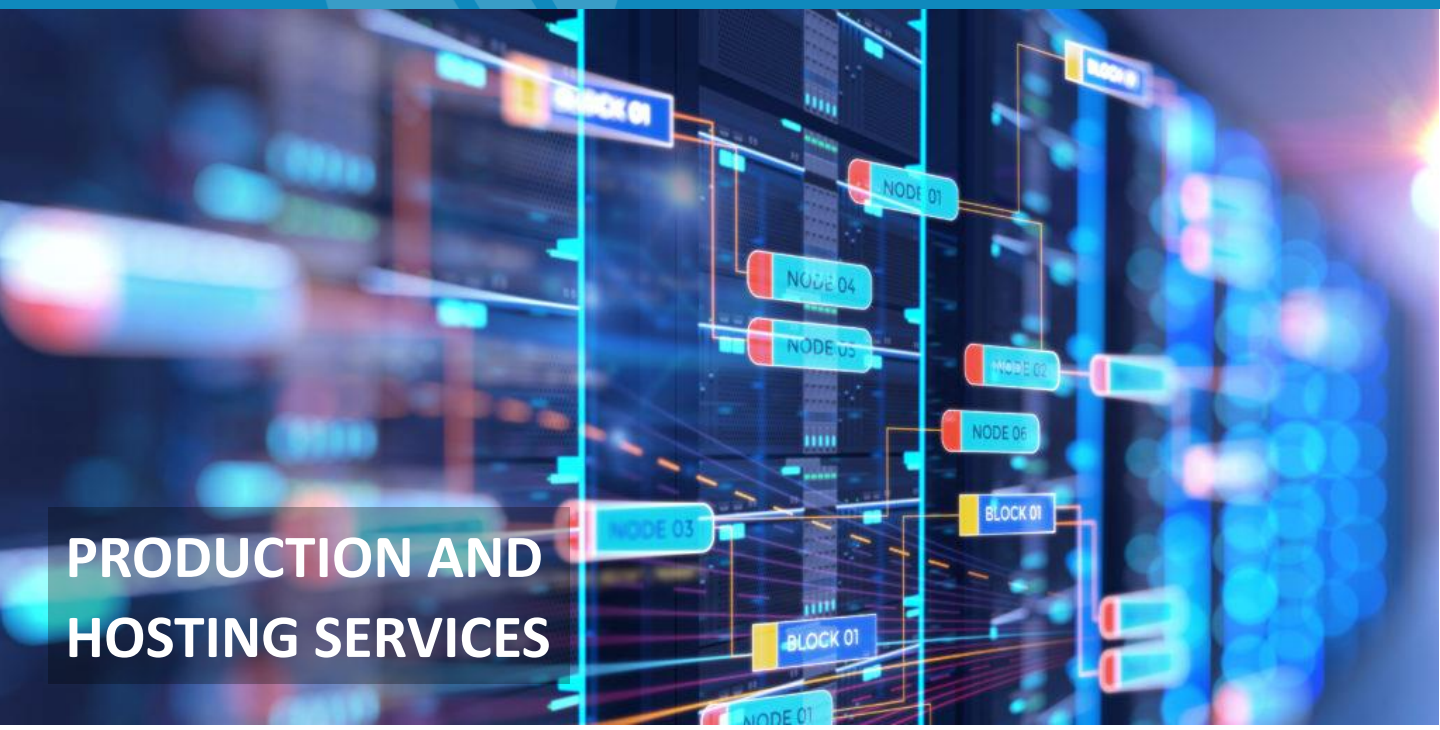


PRODUCTION AND HOSTING SERVICES

Skyline's Software as a Service (SaaS) offers computing, storage and streaming services tailored to your needs

Skyline offers a suite of software solutions, computing, storage, and streaming services to help you optimize your 2D and 3D geospatial data production and hosting. Opt for our fully automated 3D photogrammetry and data hosting/streaming, based on Amazon Web Services (AWS) infrastructure. Alternatively, select our premium, custom 3D reconstruction services, available at our US production center.

PhotoMesh Production

PhotoMesh processing services can produce 2D, 3D and multi-spectral outputs. Generate 3D mesh models in a range of formats, orthophotos and true orthophotos, DSM/DTM elevation models, and dense point clouds with detailed color information for compatibility with most standard GIS tools and software. Whether you require manual expertise or automated convenience, our services are designed to deliver the highest quality 3D and 2D data products.

SkylineGlobe Server Hosting

Based on SkylineGlobe Server, SkylineCloud Hosting provides a fully managed service to upload, store, convert and stream nearly unlimited 2D and 3D spatial data. Data is kept secure with virtual private, geospatial servers, custom authentication, and user permissions.

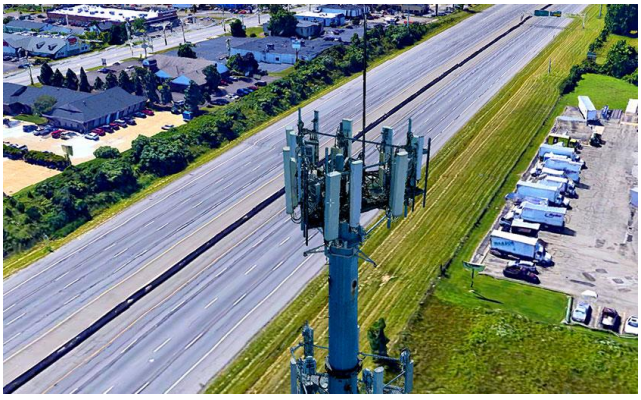
AUTOMATED 3D PHOTOGRAMMETRY SERVICES

Use SkylineCloud's computing resources to automate PhotoMesh 3D photogrammetry for optimized reconstruction at reduced costs. Our services efficiently handle a wide range of data, from drone collections to aerial photography.

Automated: Fully automated service to run PhotoMesh projects, using REST API to manage the PhotoMesh production. Input data is read from and then pushed back to customer cloud storage (AWS/Google Cloud/Azure etc.). Output can also be published to SkylineCloud Hosting service.

Scalable and Fast: Production capabilities are precisely matched to your processing requirements, ensuring rapid completion even for the most demanding projects. Regardless of project size, the necessary cloud resources—from a few machines to thousands—are allocated, guaranteeing completion within just a few hours.

High Quality: PhotoMesh 3D reconstruction service generates high resolution multi-band orthophotos, DSM/DTM, point clouds, and 3D mesh models that faithfully reproduce even small-scale details such as cars, trees, fences, and walls - all with advanced color balancing, edge and surface enhancement, and high-quality texturing. A wide range of output formats are supported including: GeoTIFF, 3DML, 3D Tiles, I3S/SLPK, LAS, and more..

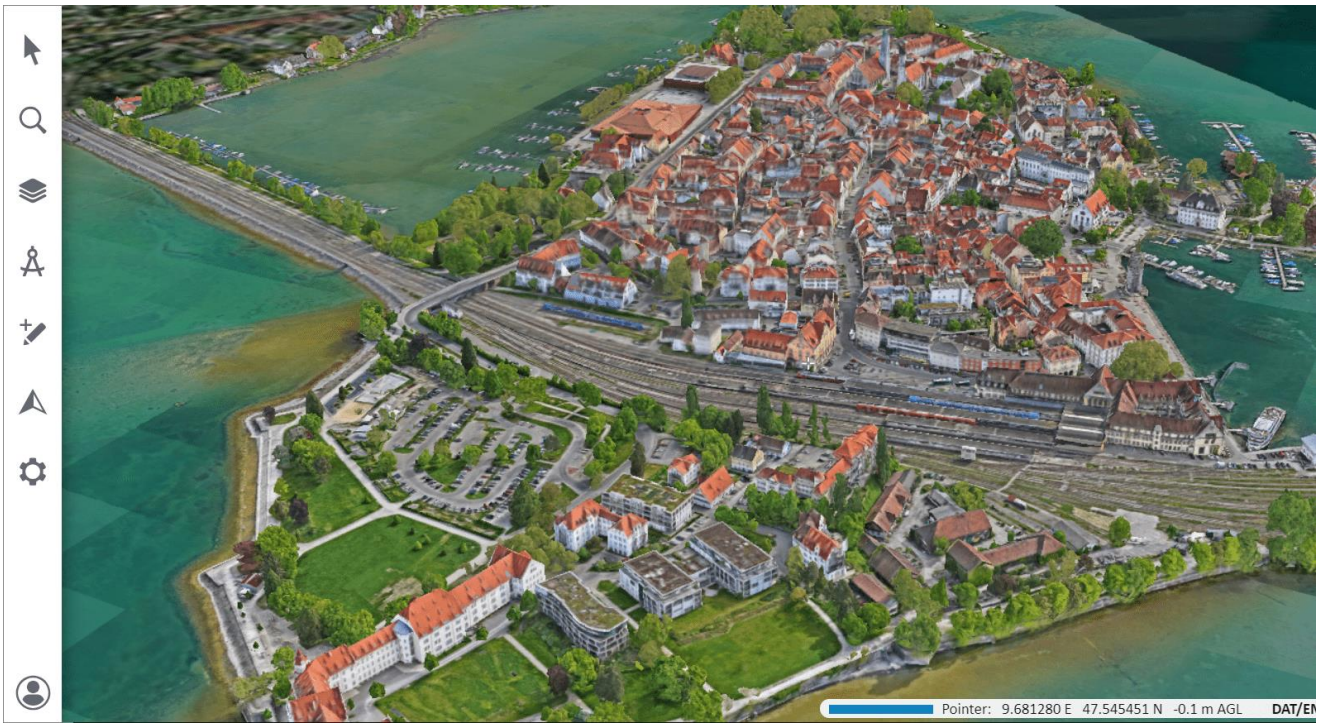
CUSTOM 3D PHOTOGRAMMETRY SERVICES

Unlock the potential of your drone and aerial data with our expert-driven, premium PhotoMesh processing services. Our state-of-the-art production facility and master photogrammetry services team guarantee the highest quality 3D Digital Twin and 2D True Ortho products.

Expert Handling: Our team excels at managing the most challenging reconstructions. Whether it involves massive-scale projects, unique camera systems, integration of photogrammetry with LiDAR, or combining aerial, drone, and terrestrial data—we handle it all. No project is too complex for us.

Kickstart Success: Ideal for anyone new to photogrammetry or embarking on new project types, partnering with Skyline for your initial venture ensures outstanding results and provides a template to streamline your future projects. This approach is particularly advantageous for surveyors and engineers looking to enhance their capabilities.

Superior Results: Our services focus on processing and reconstructing high-quality data, enabling you to concentrate solely on data capture. This division of labor is especially beneficial for aerial and drone service providers, ensuring each task is handled by specialists for optimal results.



HOSTING SERVICES

Enable uploading and sharing of geospatial data with range of 2D and 3D viewers using SkylineGlobe Server as a service.

Store and Secure: Customers can store masses of 2D and 3D geospatial data for their end users in a secure, access-controlled environment. Each customer has a private virtual site that completely isolates their users' data and allows management/administration of the data layers and site users. Data can be accessed using user/password or token mechanisms.

Reliable and Scalable: SkylineCloud is built on top of the Amazon Web Services (AWS) infrastructure to provide reliable and fully scalable computing, storage and streaming resources. SkylineCloud offers global coverage using AWS's Global Accelerator and smart caching mechanism to speed up streaming performance of 2D and 3D geospatial content.