SURE for ArcGIS®

## City and Countrywide Aerial Mapping

What Is SURE for ArcGIS?

SURE for ArcGIS® is a surface reconstruction software that empowers you to create photo-realistic models of reality. It accommodates aerial mapping projects that use datasets captured with large-frame nadir and oblique cameras, as well as hybrid systems with lidar sensors. Without limitation in image resolution or project size, you can produce 3D meshes, true orthophotos, and point clouds on common workstation hardware and cluster environments. SURE is simple to set up and operate and is compliant with mapping industry standards.

What Can Users Do with SURE for ArcGIS?

- Create truly orthogonal true orthophotos without building leans and occlusions.
- Generate dense 3D point clouds for detailed feature extraction.
- Produce accurate 3D textured meshes for city and countrywide production.

How It Works
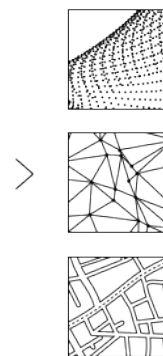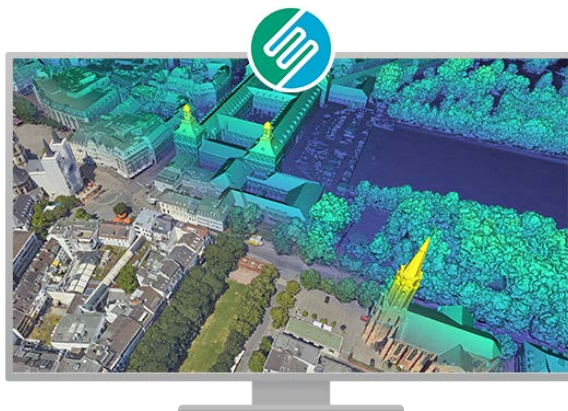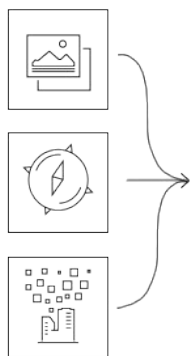
1. Import Your Imagery

2. Process with SURE

3. Obtain Results

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Benefits of SURE for ArcGIS

- **Precision**—The precise surfaces feature sharp edges and fine details at low noise levels. Precision and reliability measures enable quality control.

- **Performance**—Optimized algorithms enable fast data processing on a common desktop computer at about one megapixel per second.

- **Usability**—No parameterization is required, and deep configuration is possible. Receive your first results within minutes. Experts have full control to make adjustments as needed.

- **Scalability**—Scalable software that can handle projects comprising thousands of images, without dependencies on image resolution or hardware.

- **Integration**—Stand-alone executables as well as intuitive library APIs are designed for simple integration into custom workflows.

- **Modularity**—Complete workflow solutions can be configured individually, providing the flexibility to select particular functionalities.

Why Choose SURE for ArcGIS?

SURE for ArcGIS provides a fully automatic production workflow while meeting the highest mapping industry standards. No expert knowledge is required to generate the desired, high-quality outputs on hardware ranging from common workstations to cluster environments. Furthermore, optimized level-of-detail and streaming formats enable an enhanced web experience. The results can then be leveraged for visualization and analysis directly within ArcGIS through web, mobile, or desktop applications.

FOR MORE INFORMATION

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