



In the real estate and architectural industries, obtaining accurate spatial data is fundamental for property evaluation, renovation design, and as-built documentation. As projects increasingly demand digital twins and 3D building information, efficient indoor mapping solutions have become essential for both surveyors and designers.



## ***Real Estate Surveying: 7 Minutes to Complete a Full-Floor 3D Scan***

This case study showcases how V700S SLAM RTK scans a pre-renovation office floor at Hi-Target Headquarters. The goal was to quickly capture high-density point cloud data for renovation planning and verification.

### **Workflow**

1. Used Hi-Target V700S SLAM RTK to scan the entire floor, ensuring no data gaps.



Pre-renovation office floor at Hi-Target Headquarters

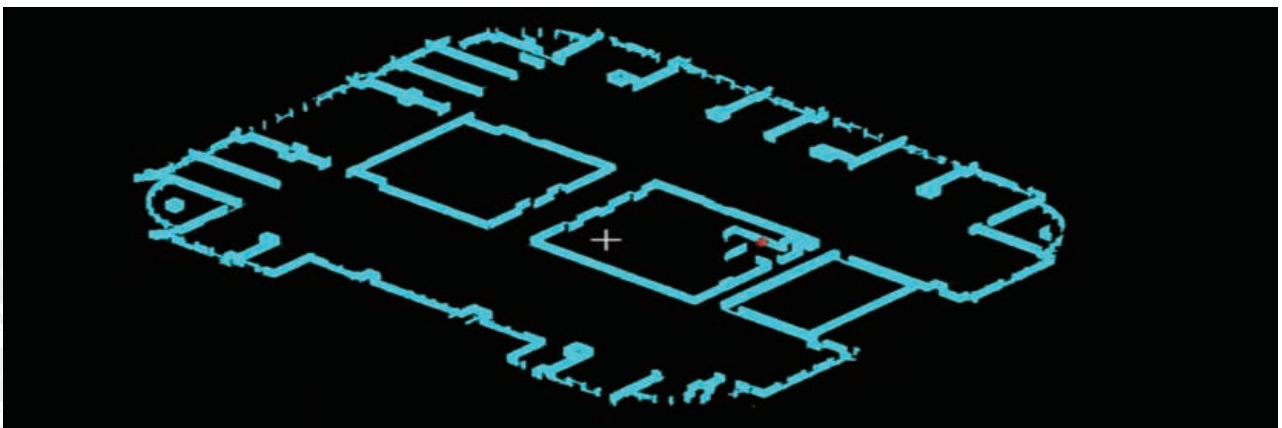
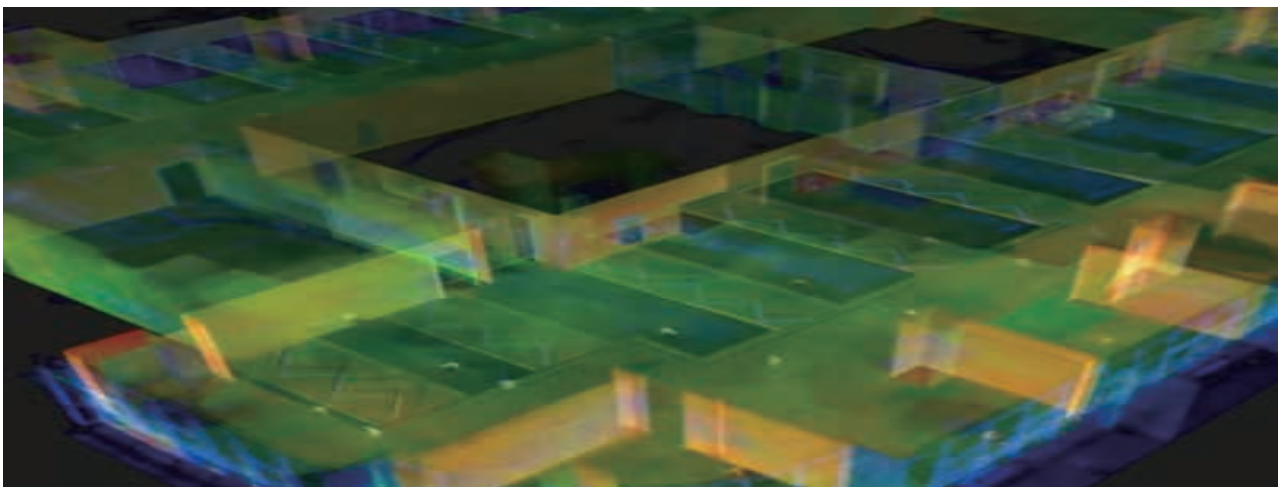
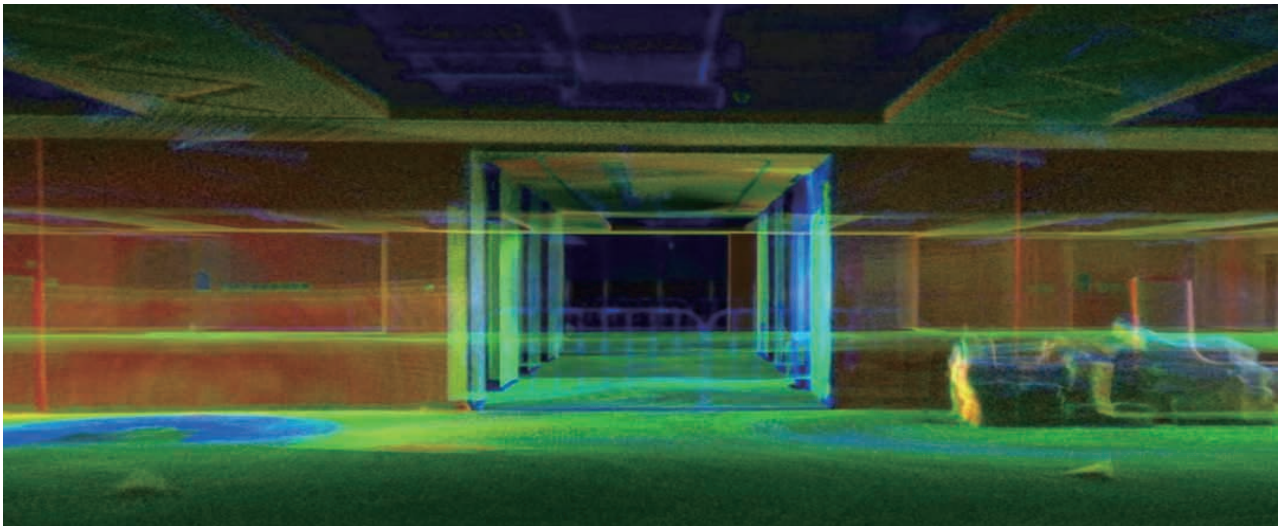


On-site scanning with V700S SLAM RTK

2. Set 10 checkpoints to verify edge measurement accuracy.
3. Processed point clouds in Hi-LiDAR software for slicing, leveling, and mapping.
4. Output in CGCS2000/WGS84 coordinates for direct integration with outdoor survey data.

## Result

- Full 3D scan completed in 7 minutes.
- Interior details, including curved and irregular surfaces, captured with high accuracy.
- Georeferenced point cloud freely sliced and analyzed in post-processing.
- Precision met customer requirements, demonstrating V700S SLAM RTK's efficiency and dual indoor-outdoor capability.



Point cloud and floor plan generated from point cloud data