

# Solution Sheet

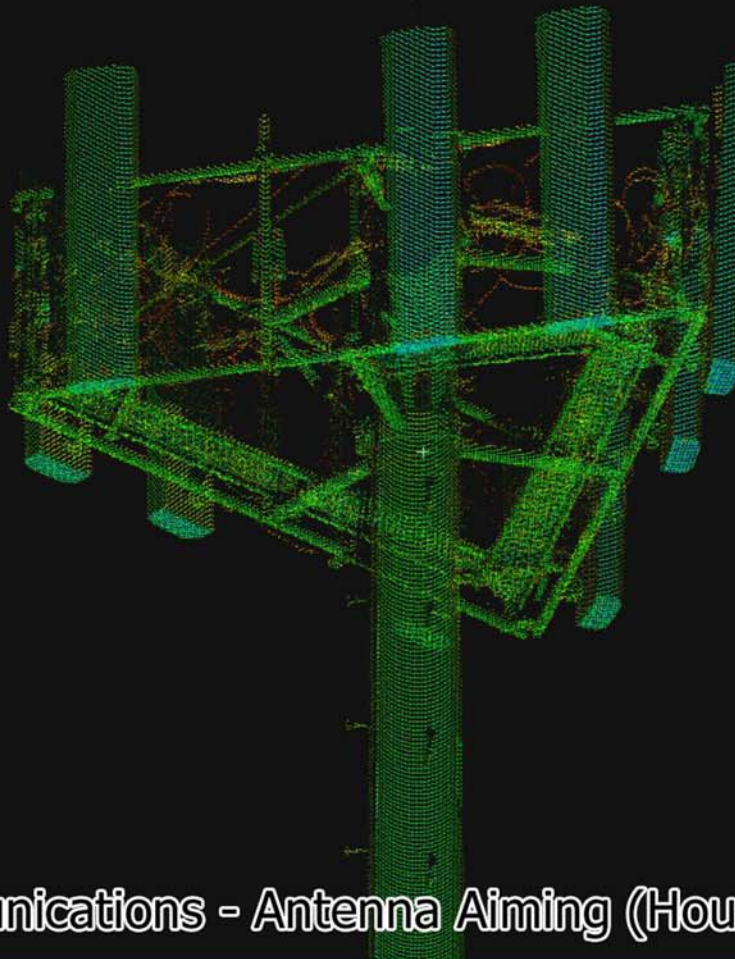
## Telecommunications



**NEED:** After tower installation was completed the signal strength was below design specifications. The client needed to verify that the antennas had been installed with the correct bearings for aiming at adjoining towers.

**SOLUTION:** GDM scanned the entire tower and antennas. We also established control at the site with GPS and transferred that control to all point cloud targets. This geo-referenced point cloud was used to determine the exact location, elevation, and bearing of each antenna.

**SPECIFICATIONS:** Scanworlds- 3  
Control- 3 GPS Positions & 5 Point Cloud Targets  
Field Time- 3 Hours  
Client- Verizon Wireless



Telecommunications - Antenna Aiming (Houston, TX)