



# 3D Laser Scanning

Provide industry leading detailed measurement data and site information for your telecom projects.



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Telecom is a leading industry in technological advancements and Core One Consulting is always evolving and looking for ways to get ahead of the curve. We are excited to offer 3D laser scanning as a complement to our current services of site acquisition and engineering.



The entire site is scanned, capturing existing rooftops, towers and other appurtenances.

We collect up to two million data points per second and within up to two millimeter accuracy.

We can capture accurate measurements, even when we're hundreds of feet away.



## EXCEPTIONAL SITE DATA

Our 3D laser scanning allows us to capture millions of data points at levels of accuracy unattainable with traditional measuring techniques. Our approach allows for the capturing of the entire site including distant buildings and tower appurtenances. This data can then be used off site for accurate site measurements and virtual walk-throughs.



## TEAM COLLABORATION

Have your team collaborate remotely using our 3D point cloud models. With these models, virtual walk-throughs of the site will give your team the ability to fully understand the complexities of the site and its surroundings during project meetings.



## DELIVERABLE YOU CAN SHARE

3D point cloud models can be shared with managers, contractors and others to allow accurate site measurements for material take-offs, cable routing and lengths, design and more.

# Planning & Project Management Benefits

From planning new cellular infrastructure installations to modifying existing structures, 3D scans are an invaluable resource.



## Planning and Design

- Minimize conflicts with existing on-site infrastructure
- By reflecting on-site reality, RF teams have a greater situational awareness of the existing conditions and surrounding buildings to complete their designs without having to go to the site



## Safer and more Accurate

- Measurement activity is safer and minimizes the need for the crews to work at heights or close to roof edges
- 3D laser scanning collects data in a more accurate way and avoids human error in measurement taking



## Project Management

- Management of project complexities is made simpler with accurate and reliable 3D representations
- Reduces the need to return to sites for further data collection



## Effective Troubleshooting

- Helps engineers and contractors foresee potential problems such as space conflicts prior to construction
- Helps assess damage to existing structures accurately
- Can remove the need for tower climbers to gather structural as-built information



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