



ADVANCED DATA COLLECTION

FOR UTILITY SOLUTIONS



Woolpert is here to help simplify your utility solution strategy with HPDL® (high point density lidar) data. Utilities can experience a paradigm shift in asset management by implementing this location-based tool.

GO BEYOND WITH HPDL

HPDL® (high point density lidar) is the latest advanced remote sensing technology that utilizes aerial laser scanning to capture high-resolution, 3D information about the ground surface and its features. With HPDL, you have the opportunity to get more out of your data. Purchase data once and use it multiple times for immediate return on investment. Woolpert has made substantial investments in lidar technology, and the resulting HPDL program scans larger areas faster and more accurately than traditional lidar.

MEET YOUR UTILITY NEEDS WITH HPDL

HPDL data is cost-effective and efficient. In leaf-off and leaf-on seasons, pinpoint utility network assets—including transmission and distribution lines, poles, substations, fiber networks, gas assets, and renewable installations like solar and wind—to provide an as-built, scalable, 3D digital twin for powerful analytics and decision-making.

USE CASES INVOLVING HPDL

- Application deployment and support
- 3D digital models
- Conflation, engineering, and software data integration
- Disaster preparedness and resilience planning for utility infrastructure
- Fiber networking
- Grid modernization
- Joint use make ready and pole loading calculation and analysis
- Power line inspection and vegetation encroachment monitoring
- Solar and wind site planning
- Substation site selection and design optimization
- Transmission, distribution, and substations

If you are interested in purchasing HPDL data or adding to the collection area, please contact kristi.norman@woolpert.com or **682.235.4276**.

