

Cutting Down the Risks of Overgrowth

Sharper Shape's Living Digital Twin software, Sharper CORE, provides detailed network level assessments for Vegetation Management:

- **Automated Vegetation Encroachment Analysis:** accurate 3D modeling of phase-wires and automated detection of vegetation issues
- **Detection of issue types:** such as fall-in tree, urgent issues close to phase-wires, overhang branching issues
- **Tree Risk Assessment:** Location and number of trees at risk of striking primary conductors, wires or poles, including trees on slopes
- **Species Detection:** using hyperspectral sensor
- **Customizable Remote ROW Inspections:** ability to manually measure distances in 3D
- **Clearance violations**
- **Pole identification**
- **Vegetation safety distance**
- **Winter snowfall risk**
- **Wind scenarios**
- **Pole loading**
- **Thermal expansion of utility lines**



Sharper Shape's 4D Living Digital Twin software answers every utility challenge by providing automated collection, real time visualization, analysis and actionable, decision making insights for inspectors and field crews - everything you need to make your utility sharper and better.

Remote Inspections

Vegetation Management



Asset Management



Data Analysis & Forecasting

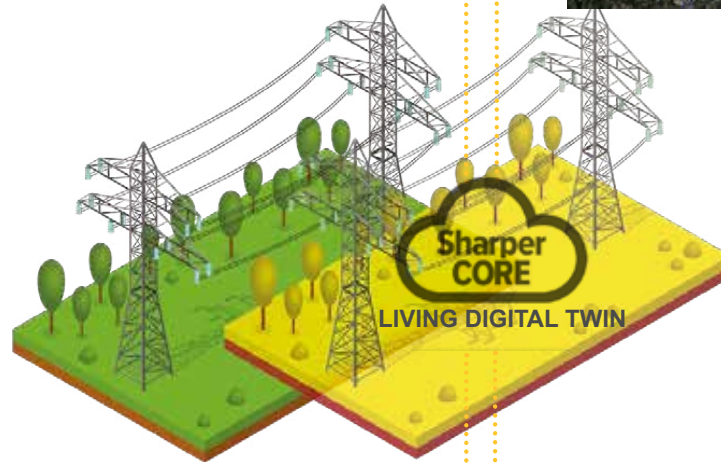
Species Detection



AI Component Detections



AI Defect Detections



Data Visualization

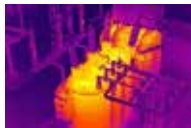
RGB images



Hyperspectral



Infrared

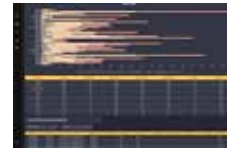


Point Cloud 3D Modeling



Actionable Reporting

Asset Management Reports



Vegetation Management Reports



10,000 +

DISTRIBUTION POLES CAPTURED BY AUTOMATED DRONES



10,000 +

TRANSMISSION STRUCTURES CAPTURED BY DRONE



38,000 Miles - 800,000 Structures

INSPECTED BY SHARPER HELISCOPE MOUNTED HELICOPTER



5 + PETABYTES

OF DATA COLLECTED AND ANALYZED BY SHARPER CORE SOFTWARE



For more information visit sharpershape.com or contact sales@sharpershape.com

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