

# Leave no component behind!

Sharper Shape has developed and trained the industry's most advanced machine learning algorithms and models for utility infrastructure issue detection.

## Inspection of Assets :

- Customer specific issue classification
- Poles, components, conductors
- Safety distance analysis
- Pole Lean and Line Sag:
  - Customized parameters to measure leaning and broken structures.
  - Digitized pole leans and Line sags are automatically measured and flagged.
  - Easily exported or highlighted in Sharper CORE.

## Urgent Asset Detections:

- Quick detection and reporting post inspection flights

## Preventive Maintenance:

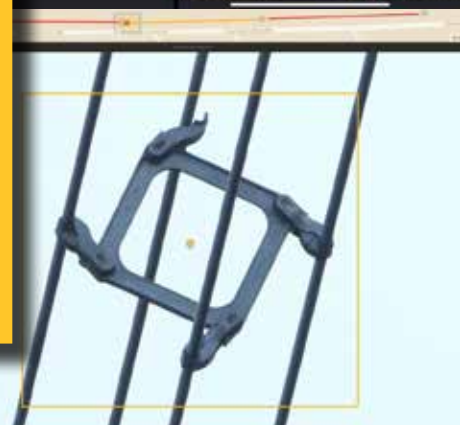
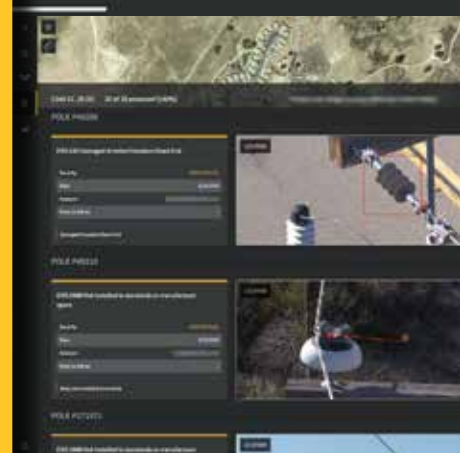
- AI supported detection of network component issues
- Enables attributed component issues for efficient network maintenance planning
- Provide input for future asset construction & replacement

## Linecrew APP:

- Simplifies asset inspection by enabling inspectors to create assessment orders, map layers and filters, annotating and reporting, issue criticality identification, and QA of work

## Sharper CORE Human in the Loop:

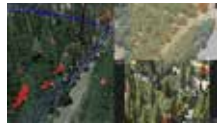
- Force multiplier for inspectors
- Confirming inference results – Inspections from AI
- Providing a source for retraining



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

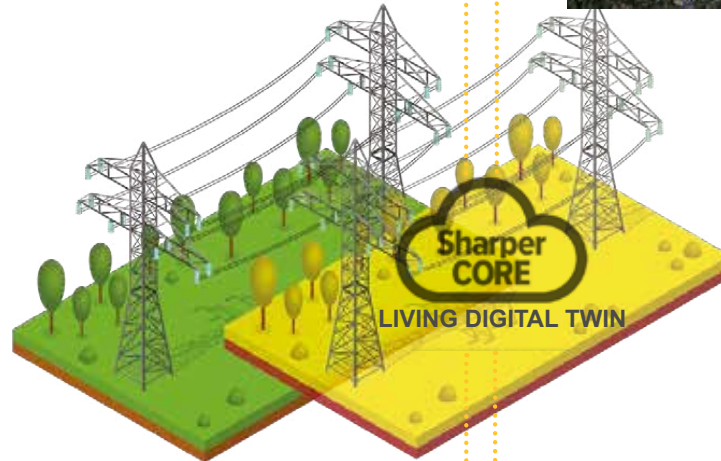
Species Detection



AI Component Detections



AI Defect Detections



### Data Visualization

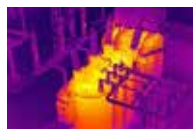
RGB images



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



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