

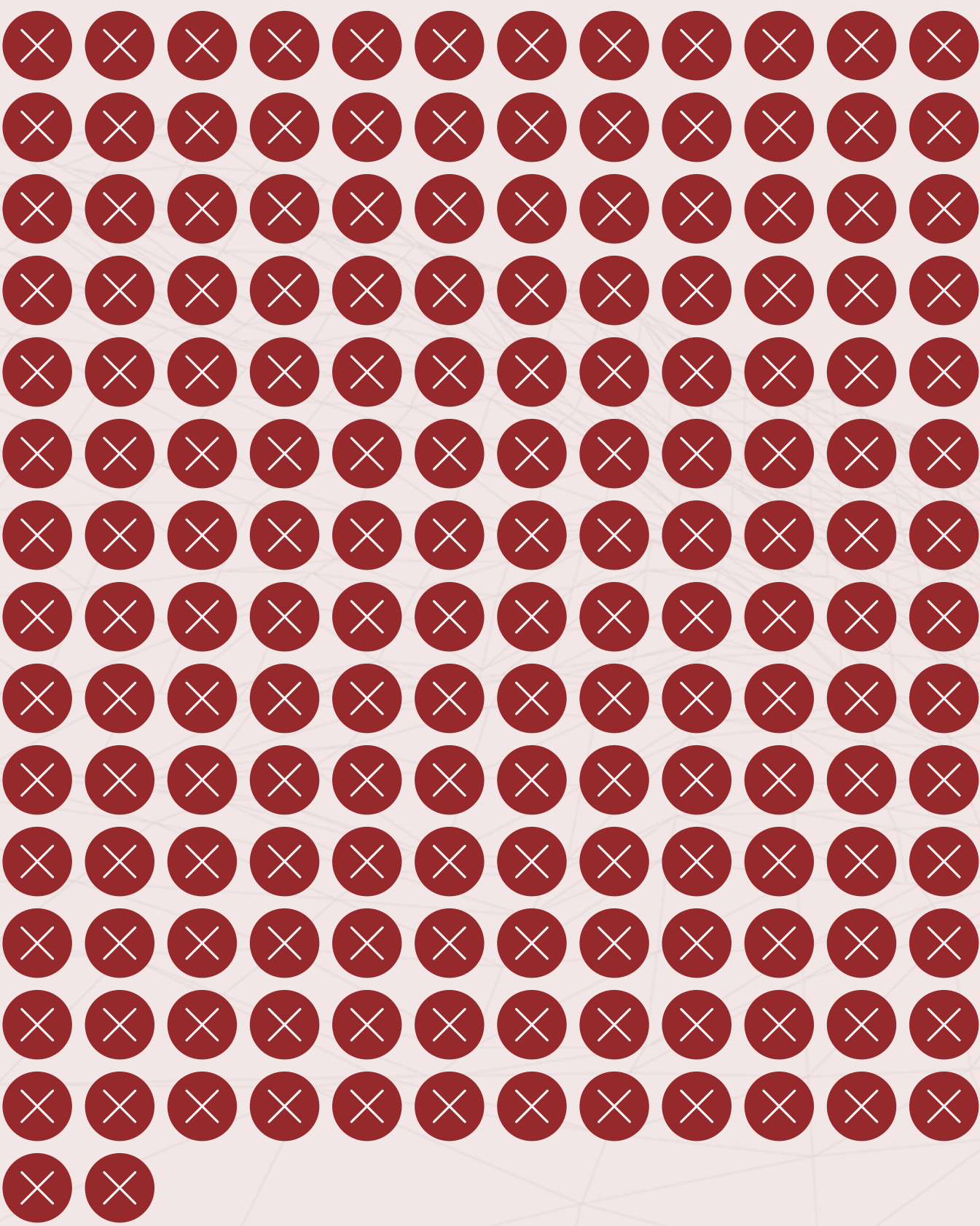
Utility Accelerates Modernization Efforts

A southeastern electric utility that covers over 100,000 square miles had a time-sensitive grid optimization process. When its ground-based inventory method wasn't delivering the data needed, the utility turned to PrecisionHawk to reimagine its data collection and analysis.

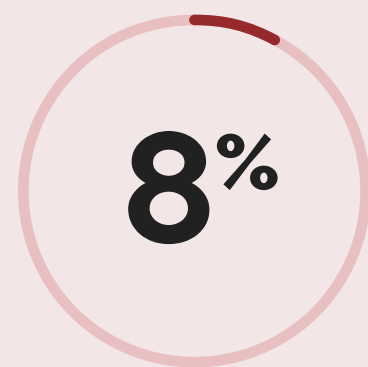
PROBLEM

Relying on ground teams to inventory **thousands of assets** often leads to **incorrect data**. Using data collected and analyzed by **PrecisionHawk**, in just **six months** the client determined that in its database, there were:

17,000+
pieces of inaccurate data



X = 100 pieces of inaccurate data

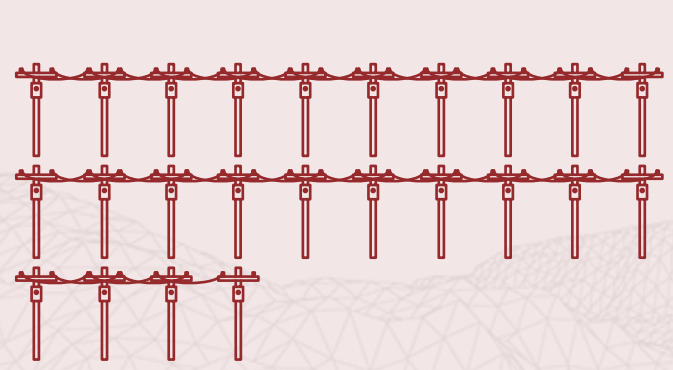


of poles tagged incorrectly



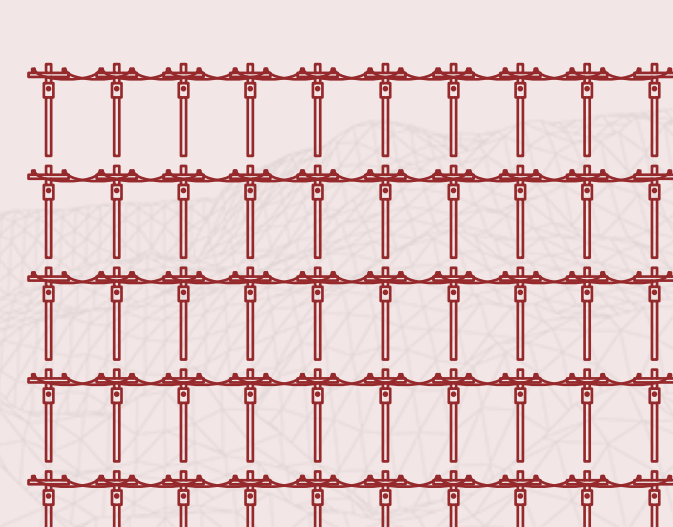
of poles missing tags

234
cases of no pole where the utility thought it had one

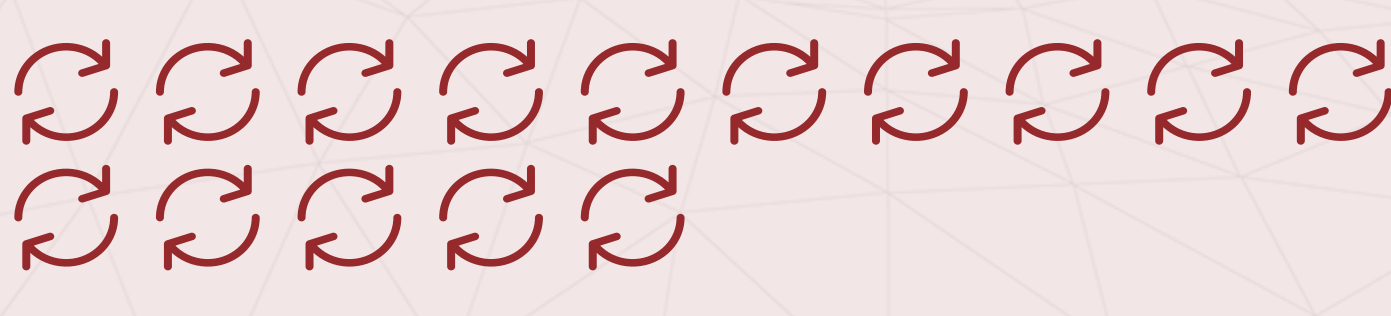


↑ = 10 poles

500
poles not in the database at all



1,500
updates needed to pole class and height data



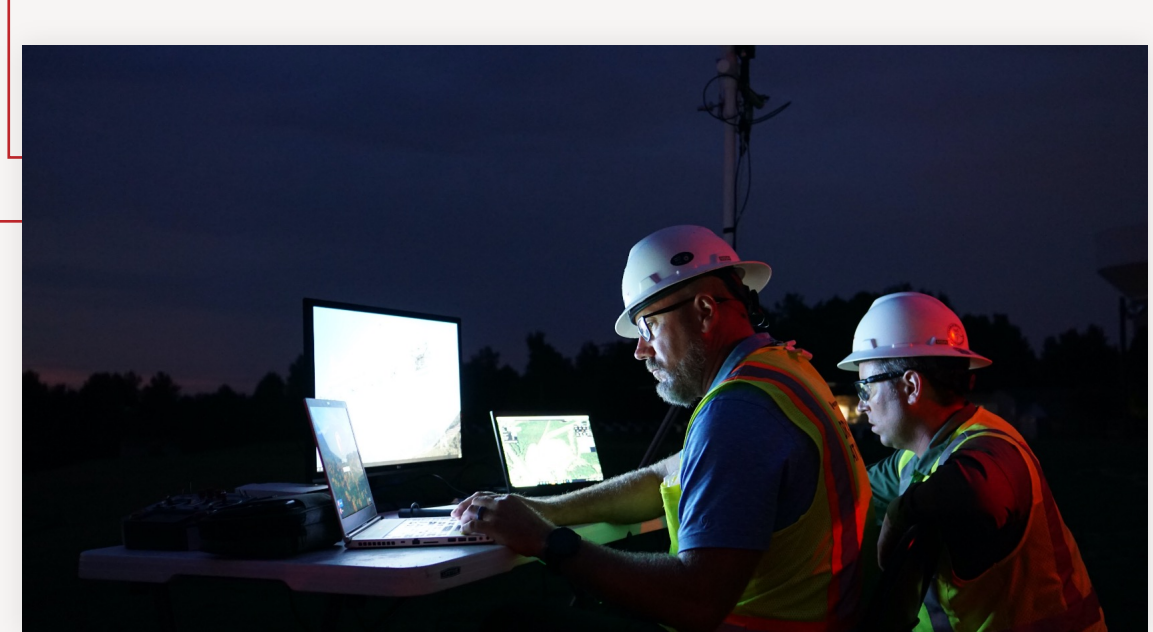
↻ = 100 updates

ACTION

PrecisionHawk designed a drone solution to streamline each aspect of the asset management lifecycle.



1



Discover

Utility inspection experts build a technology portfolio and flight plan to accomplish the utility's goals.

2



Collect

Drone operators, trained in utility-specific safety procedures, execute flights to capture images and data.

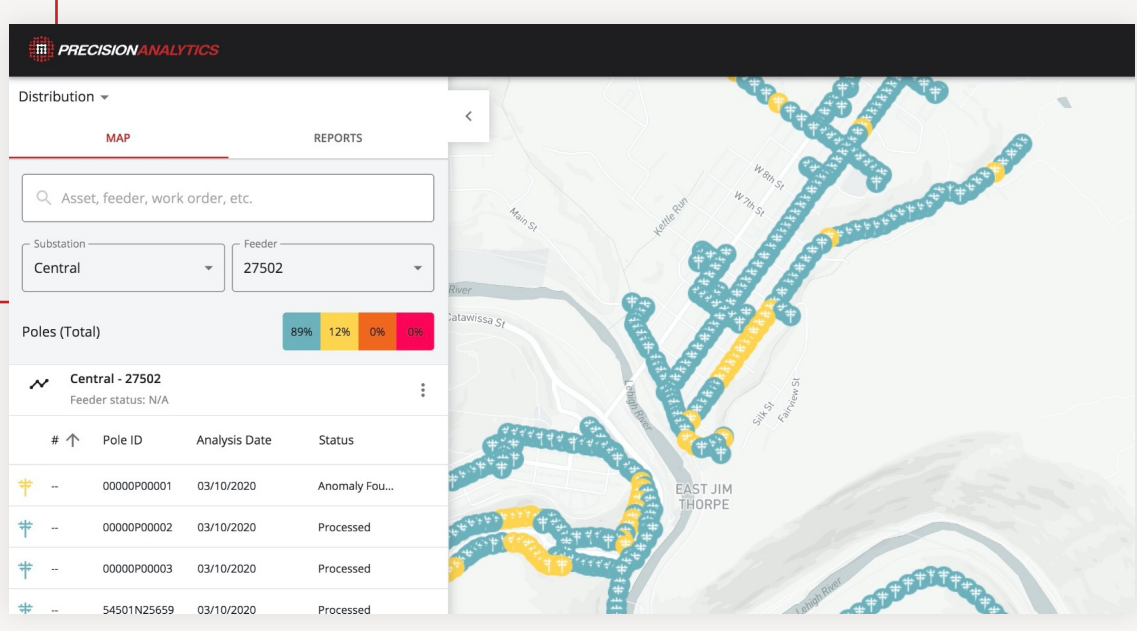
3



Process

Ground teams use a custom-developed tablet app to quickly enter data for each asset.

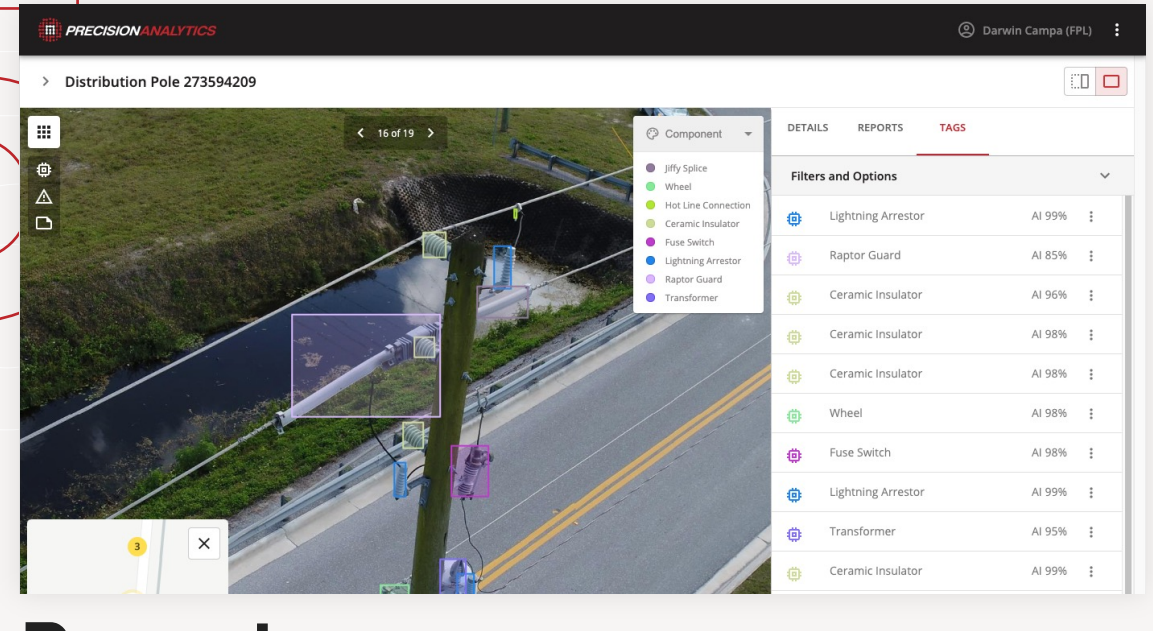
4



Analyze

Collected data is uploaded into PrecisionAnalytics Energy, a secure web-based asset management solution.

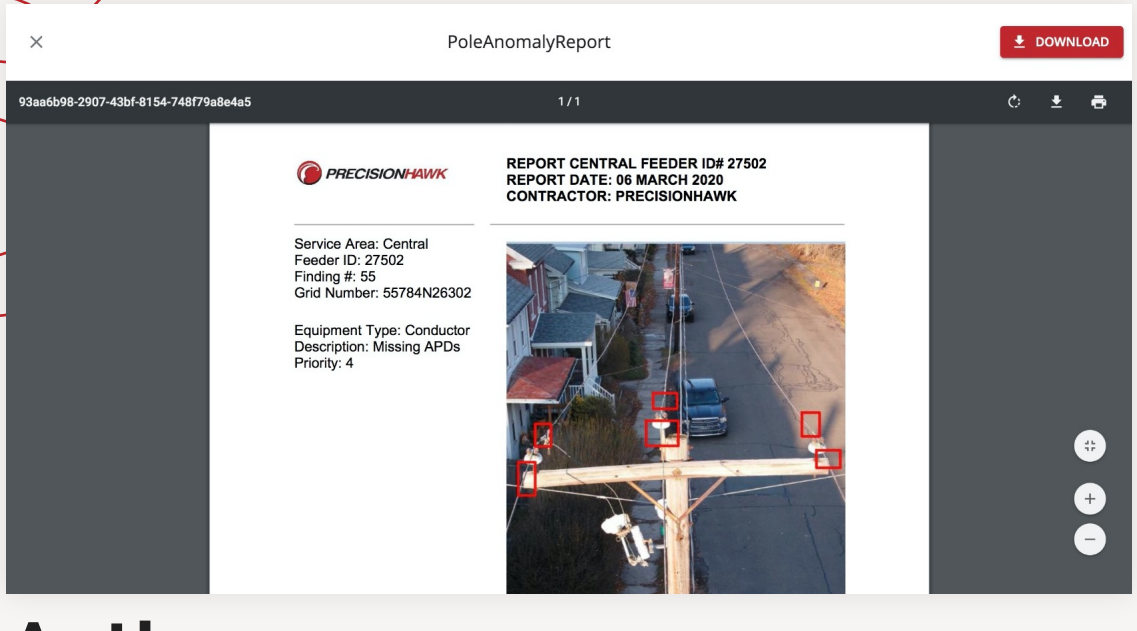
5



Report

PrecisionAnalytics Energy applies machine vision, conducts change detection, and identifies areas of concern.

6



Action

Reports and images are generated showing exact location of each asset and phasing of each power line.

RESULTS

The utility sped up the inventory process, gained unprecedented insight into the type and location of its assets, gathered needed data on phasing—and made incredible headway in its modernization program.