

Maximize the value of aerial inspection programs

PowerAI is a software platform that allows electric utilities to maximize the value of visual data from aerial and ground level power infrastructure inspections. The software automates visual inspection data management, mapping and condition analysis using pre-trained AI algorithms.



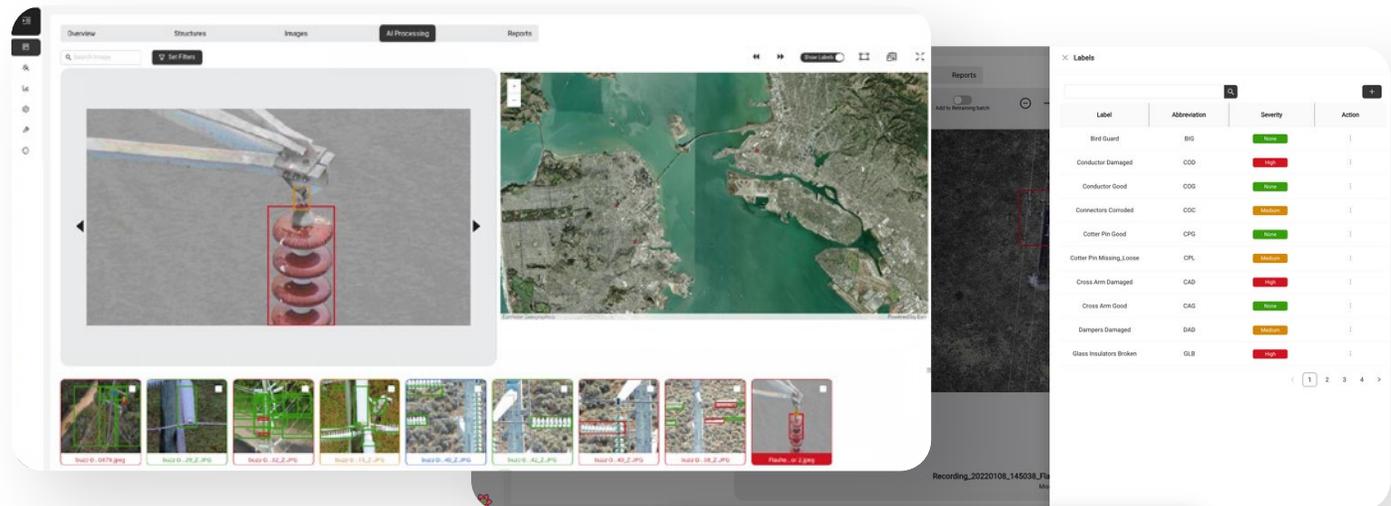
Improved
asset management



Increased reliability
due to proactive maintenance



Enhanced productivity
through automated analysis



Data ingestion and management:

PowerAI intakes visual data from drones, helicopters and other aerial vehicles and can integrate with cloud-based data sources including Skydio Cloud. Data is GIS mapped and tagged for asset management and GIS systems.

Automated data analysis:

PowerAI automates the time-consuming process of inspectors reviewing images to identify asset types and detect maintenance issues. It includes dozens of pre-trained and highly AI and Machine Vision based detection models for assessing conditions of insulators, poles, towers, conductors, cross arms, rust/corrosion, electrical equipment and hardware, nests, vegetation issues and more.

Integration into utility workflows:

PowerAI includes APIs to enable integration with asset management systems, GIS, or work order systems. This ensures that asset identifications and problems discovered through inspections are prioritized and acted on using existing utility workflows.

PowerAI provides features and flexibility to accelerate each step of your data management, analysis and reporting process.

