A leading American power and energy company with asset portfolio that includes 25kMW of power generation, 6k miles of electric transmission lines and ~15k miles of natural gas transmission.

Cherrywork® Predictive Asset Analytics Application

Challenge

- Understand factors that contribute to pole decay
- Predict inspection time to validate the structural soundness of poles
- Estimate the value of a comprehensive inspection and circumstances warranting it

Solution

- Integrating Predictive Maintenance for electricity distribution pole to understand factors that contribute to pole decay and provide insight to the value of comprehensive inspection v/s a streamlined inspection and circumstances that warrant each inspection type

Outcome

- Determine pole failures which could highly impact the electricity supply
- Reduction in overall pole failures and manual inspection resulting in cost savings
- Help predict failures by studying patterns in pole data, usage, environment, and correlation of the factors with any known issues

Business Impact

<3%	Reduction in overall pole failures	**60%**	Reduction in manual inspection	**90%**	Accuracy in prediction of pole failures