Predictive Asset Analytics for a Leading Power & Energy Company

Challenge

The customer has the following cost which they are not able to track and plan for improving its operations:

- External Labor
- Internal Labor
- Materials – Replacements bulbs, poles etc
- Fleet – Trucks, Fuel, Repairs, Maintenance

Solution

- Develop predictive models to understand which factors contribute to pole decay and to predict when inspections should be done to validate the structural soundness of poles
- Provide analytical dashboard to view and manage pole and light data discrepancies in Billing and GIS systems. The dashboard can be used to track asset, fleet and technician on ground
- Provide mobile app to report, track and categorize issue and provide real time information to customer

Outcome

- Analytics dashboard will help in determining pole/Light data discrepancy and ensure billing consistency, dashboard will also track the crew and fleet resulting in improving SLA. Detecting pole failures will reduce the number of required inspection. Mobile app will help in faster issue assessment and resolution and improve customer experience. Weather data will help in pro-actively mitigate potential damage to polls

Business Impact

- Ensure billing consistency
- Reduction in number of required inspection
- Faster issue detection and resolution
- Improved SLAs and reduce incorrect assignments
- Pro-active alerts to mitigate potential damage

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