STORMGUARD

Delta Electric
Power Association

PROBLEM

Electric utilities must better predict outages, stage assets, and mobilize crews better. Ultimately, yielding improved emergency response, better coordination with external crews, and improved ETR's for customers.

SOLUTION

Leveraging AI to revolutionize outage prediction and restoration, ensuring faster and more efficient response times.

TEAM

Experts in AI, meteorology, and utility engineering, committed to developing innovative solutions for enhancing emergency event management practices and bolstering resilience in the face of natural disasters.

THE UTILITY

As the sponsoring utility, Delta Electric has faced the impacts of hurricanes, tornadoes, and severe storms, prompting an urgent need to enhance outage and damage prediction while optimizing restoration processes. This initiative aims to demonstrate how other public power entities can leverage AI to address similar challenges and enhance resilience.

APPROACH

Develop an AI-driven solutions for outage prediction and restoration optimization. Leveraging expertise in meteorology, utility engineering, and artificial intelligence the team will gather historical outage and crew data from Delta Electric for the development of the model. This includes ample research on the data to be used (weather, outage, etc.) and the AI models to leverage.

INDUSTRY IMPACT

 The project aims to improve outage management efficiency, customer satisfaction, and grid reliability, with broader applicability across the electric utility industry.