

CASE STUDY

Identification/Exploration of Industry Asset Performance Analytics Software: Optimizing a Leading Energy Utility Company's Energy Distribution Framework

EPE was engaged by a leading energy utility company to enhance their operational efficiency and future-proof their energy distribution systems by aligning current technologies with Distribution System Operator (DSO) goals.

CHALLENGE

The client sought to transform its energy distribution network to align with the evolving role of a DSO. With a diverse set of existing systems, including ADMS, GIS, and multiple planning tools, the challenge was to assess these technologies for alignment with DSO requirements, identify critical gaps, and explore emerging technologies to future-proof operations. The client needed a structured approach to streamline its systems, optimize DER management, and ensure compliance with new market regulations like FERC 2222.



SOLUTION

EPE was engaged to conduct a three-phase engagement that included a comprehensive assessment of the client's current systems, a gap analysis, and the identification of future-leaning applications to drive innovation and efficiency.

Task 1 - Assessment of Current Systems and Tools: EPE provided a Current State Assessment Report highlighting system capabilities, integration points, and alignment with DSO goals.

Task 2 - Identification of Capabilities and Gaps: EPE created a Gap Analysis Report with a detailed comparison of existing functionalities against DSO requirements. EPE offered recommendations for closing identified gaps.

Task 3 - Future-Leaning Applications: EPE provided Future State Recommendations and a phased Implementation Plan that outlined a roadmap for technology enhancements, prioritized based on impact and feasibility.

RESULTS

EPE's comprehensive evaluation enabled the client to gain a clear understanding of their current system landscape and identify critical gaps that needed to be addressed. The strategic roadmap and recommendations provided by EPE equipped the client with actionable insights to optimize their operations, ensuring compliance, improved DER management, and readiness for future market demands.