



Invenergy is a global renewable energy company based in the Midwest. As part of their operations, they must comply with the agreements and standards of power transmission organizations across different regions. They asked the Data Science Clinic to develop a specialized chatbot to search and extract information from these documents efficiently. This is vital for Invenergy since quick access to accurate regulatory and technical information directly impacts its ability to serve clients.

The team successfully built a generative AI chatbot that references specific documentation before generating responses, enabling precise answers to complex energy market questions. The team optimized its ability to find and process relevant information by breaking the documents into smaller, meaningful segments. The team also ensured seamless integration with internal Invenergy systems.

This solution could dramatically reduce document review time, accelerating employee training and improving operational efficiency. It enables Invenergy to evaluate AI compatibility within their company and the energy industry, providing valuable insights into their approach to technological innovation.

Figure: Example Chatbot Response Explaining eDART tickets

