



Renewable Energy Agents



Energy Agents overview

Energy Agents AI is a sustainability-focused platform that uses large language models (LLMs) to analyze telemetry data from decentralized energy systems such as solar panels and biogas digesters. The system ingests real-world sensor data and uses multiple AI agents to summarize performance, detect anomalies, generate alerts, and recommend optimizations – all in natural language.

Targeted at remote communities and off-grid installations, the tool helps non-technical users understand energy usage patterns and take action, making clean energy systems more accessible and reliable. Built with Streamlit, Python, and LLaMA 3 via Groq API, and deployed on low-cost cloud infrastructure like Vultr.