

Challenge

Grid outages and disruptions are becoming increasingly common, due to climate disasters and cyberattacks, leaving communities across the USA vulnerable.

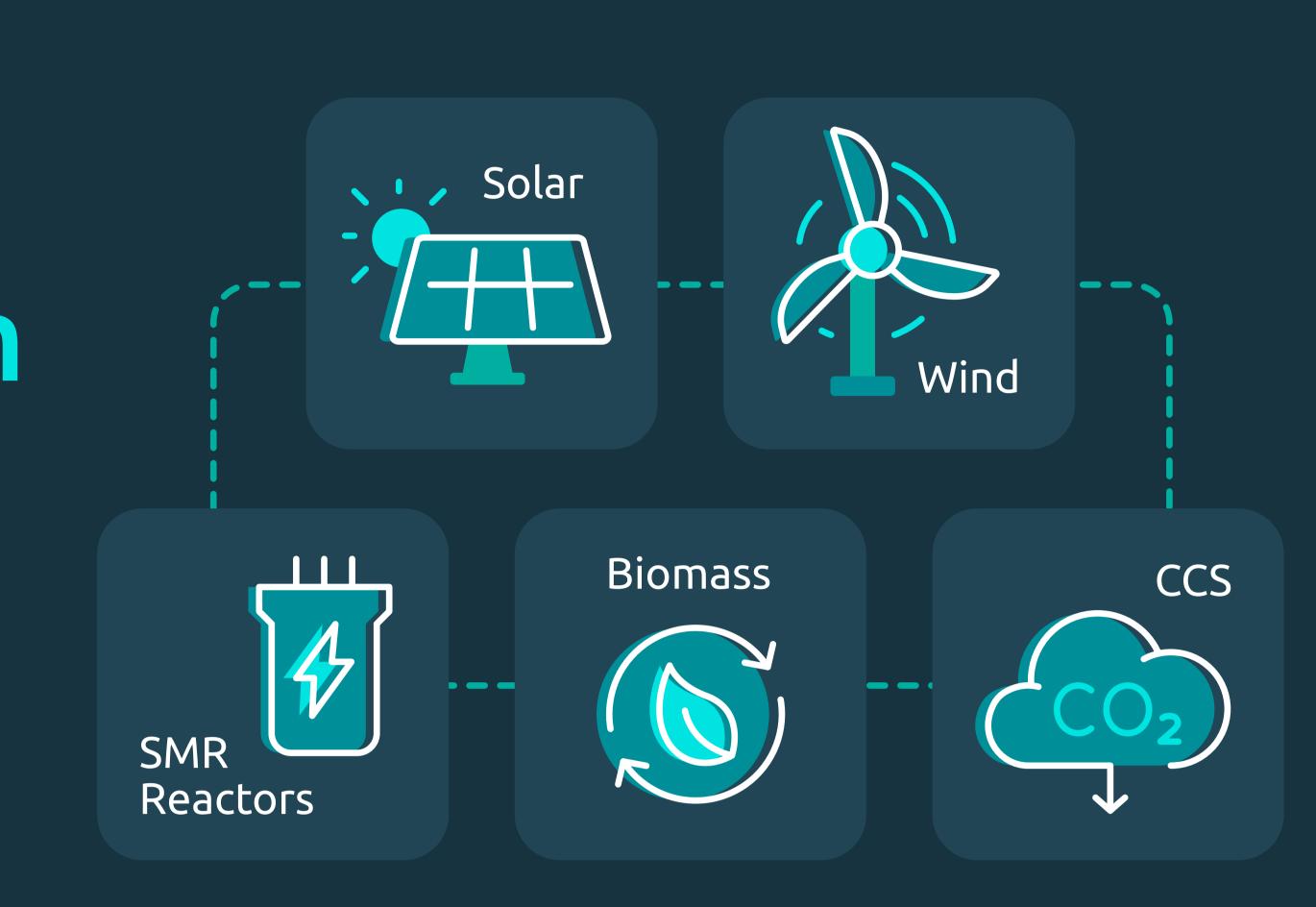


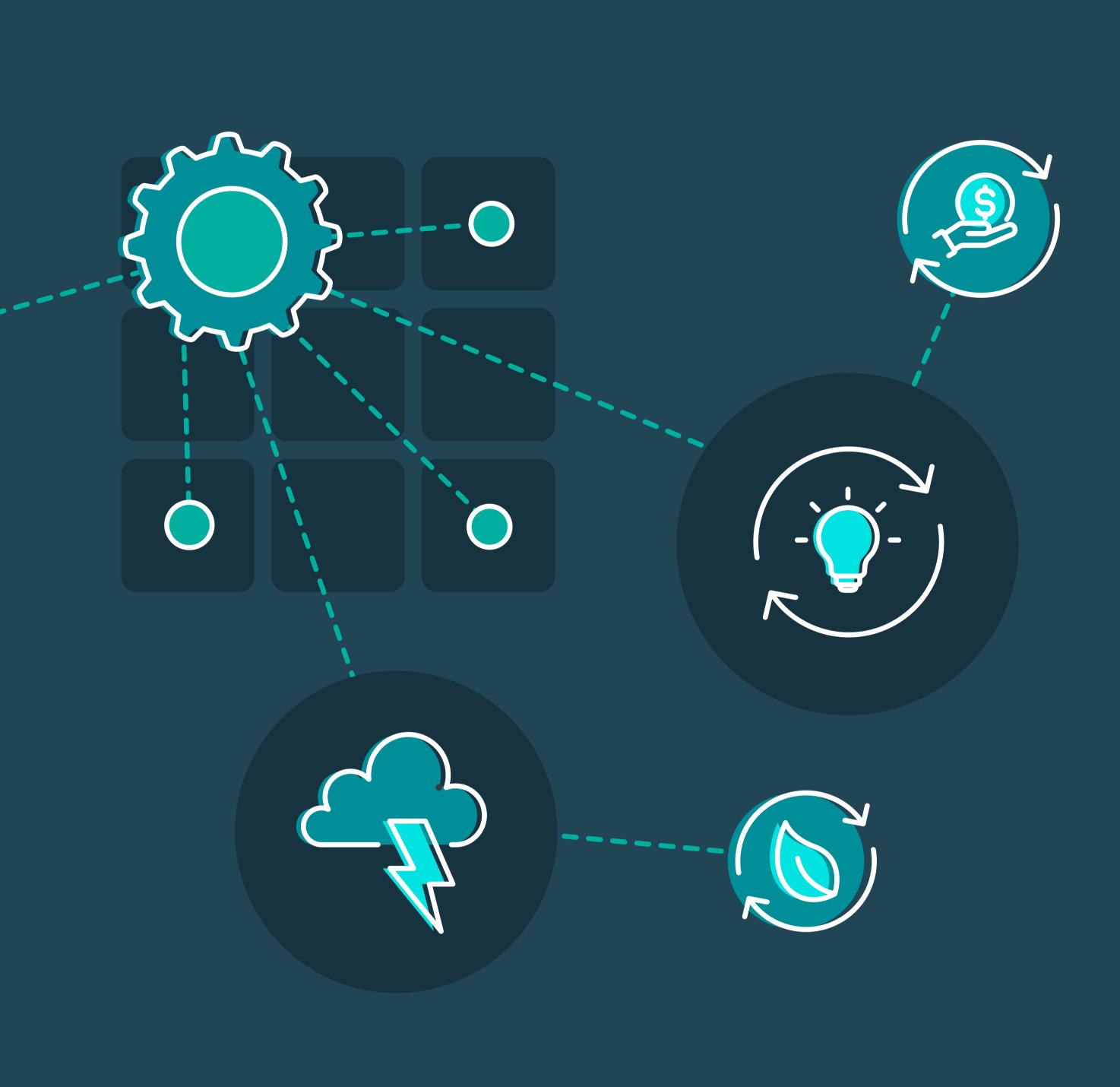
Solution

By the 2030s, Al-driven community microgrids will empower communities to create a more efficient, self-sufficient, and stable relationship with energy.

Adistributed energy system

Community chooses from a range of clean energy sources, balancing renewables with abated legacy sources.





Optimized with Al management

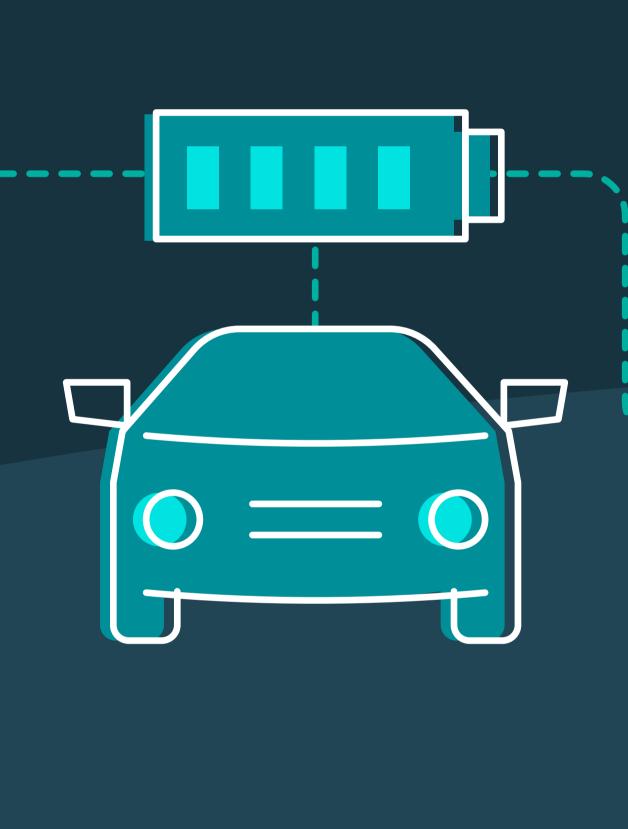
Al-driven microgrid management optimizes efficiency and cost saving.

Deep reinforcement learning predicts weather patterns and uses renewables accordingly.

Innovatively stored and managed

Fleet providers and automakers' EV batteries provide grid-scale storage.

Green hydrogen manufactured locally when supply exceeds demand.







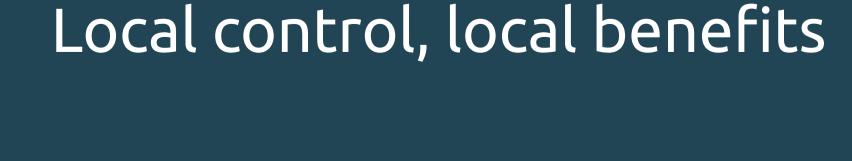


Cyber

attack

Inherent community resilience in an unstable world







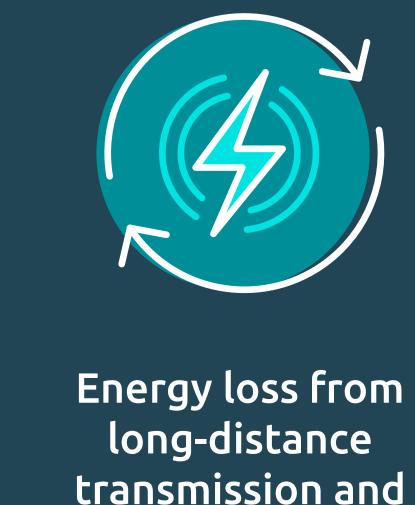
a single point of

vulnerability





protected at all times



distribution mitigated



into the community

