

EOC.ENERGY Energy Operation Center

La Margarita community in Salinas, Puerto Rico, achieved energy self-sufficiency post-Hurricane Maria through a solar energy initiative. Forming an energy cooperative led to reliable electricity, sustainability, and resilience, setting an example for renewable energy transition and inspiring other communities.

Challenges Faced by La Margarita Community:

After Hurricane Maria, the community faces power supply instability, leading to a shift to a microgrid for stability. Challenges include managing administrative tasks, monitoring energy consumption, and ensuring effective microgrid operation. The Energy Operation Center (EOC) helps monitor energy generation, address maintenance needs, and optimize battery functionality for sustainability and resilience.

Energy Operation Center (EOC) Overview:

EOC.ENERGY offers a back-office solution for community-based utilities managing decentralized energy resources, powered by SORBA.ai. It interfaces with DERs for real-time management, oversees microgrid management, and supports Solar Photovoltaic Systems with Batteries. SORBA.ai optimizes data collection and analysis for energy production improvement. The platform enables real-time data analysis, remote operation, historical data storage, and issue resolution for seamless interaction and scalability.

Benefits of EOC Solution:

- Enables La Margarita Community to efficiently manage the microgrid for enhanced energy independence and resilience.
- Incorporates AI for autonomous operation and management of various DER types, ensuring sustainable and reliable energy supply.
- Designed to address network diversity, the EOC empowers the community and supports basic activities confidently.

