SMC · Energy Storage

SMC

Country: Peru · Chaclacayo **Category:** Energy Storage **Impact Areas:** Mitigation, Adaptation **Stage:** Prototype **Team Size:** -3 **Website:** https://v0-smart-community-microgrids.vercel.app/

Elevator Pitch

We developed a platform that allows communities and municipalities to measure their risk of power outages and plan their transition to distributed solar energy. Our tool transforms local data into an actionable energy resilience index.

Climate Problem

Centralized power grids fail during extreme weather disasters, such as landslides, leaving vulnerable communities without electricity. This disrupts medical refrigeration and communications, exacerbating the impact of extreme weather events.

Solution

A software first platform that simulates energy consumption and models local resilience. We design AI monitored, modular solar microgrids that prioritize critical loads for homes and small businesses during main grid failures.

Revenue Model

Generaremos ingresos mediante la concesión de licencias de software B2B a ONG y municipios para la planificación de infraestructuras y, eventualmente, mediante tarifas de servicio para la gestión de la implementación de microrredes y la optimización energ

Target Market

Disaster-prone communities in Latin America, small businesses in regions with unstable infrastructure, and public and private entities focused on climate change adaptation and decentralized energy systems.

Social Impact

Indigenous Peoples, Persons Belonging to National or Ethnic - Religious and Linguistic Minorities, People Living in Extreme Poverty, Women

Demand Evidence

Evidence lies in the recurring total power loss during annual flood seasons. Local businesses face heavy losses due to outages, and there is a documented lack of technical tools for community led energy resilience planning.

Competitors

Local competitors are primarily diesel generator suppliers and centralized utility companies that do not offer decentralized resilience solutions. Currently, there are no software platforms in the region that provide hyperlocal energy simulation for vulne

Founder Expertise

Founder of KRAKK (sports technology) and WYX (artificial intelligence for retail). He led teams of over 50 people at Eres Clave and influenced more than 200 students through SPIC-T.

External Support

Currently, the project is entirely self funded and developed independently. We have not yet received any external institutional support or formal mentorship, focusing instead on rapid internal prototyping and technical validation.

Source: ClimateLaunchpad 2026 Application · App ID: 9795 Ingested: 2026-05-25

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