
ICARUS
Meta AI

Problem

- Poor internet connectivity rates in offgrid and rural communities particularly in southern Africa due to lack of reliable energy to power access points & client devices.
- **Income Gap**: People with low incomes can barely afford high cost of mobile data
- **Information Gap:** Many people still lack digital literacy & awareness of renewable alternatives.

Key Takeaway

Connectivity without Data & Energy is dead on arrival.

Personas

Persona

Chipo, a teacher at an off grid school in rural Zambia like many others already has a household solar unit and uses it to power her devices.

Paint Point

- Chipo is climate smart but has no idea
- Chipo constantly runs out of battery, data and streaming.

Meet Emma, an NGO project manager in Geneva, tasked with connecting rural schools in Zambia to the internet. She is responsible for identifying schools that are off grid but ready for connectivity.

Pain Points

- **Emma faces data gap to determine which schools are off-grid but feasible for Wi-Fi deployment.**
- **Online surveys are unreliable & the data gap is large in rural Zambia.**
- **Field Surveys in rural Zambia are time-consuming, costly & unsafe due to bad terrain & security issues.**

SOLUTION

Solution: Chipo Needs a Hero!

She links her solar kit through VGrid's web platform, where she starts playing the carbon offsetting game.

The rate at which her solar node offsets carbon is impressive.

She racks up Icarus connectivity credits & levels up, unlocking a 4G Network 10 GB.

Now Chipo never runs out of data. Soon, other teachers in the school also connect their solar kits to Vgrid to play the carbon game to rack up connectivity credits, inspired by Chipo. The rural community is now known as the village that never runs out of data.

AI Services

4. **API Access**:

Revenue Source: Subscription model for API connectivity to Vgrid Synergy datasets.

Estimate: $500–$2,000/month per client

Unique Value Proposition

- Our unique value proposition emphasizes the **synergy** of unlocking connectivity through gamified credits" in alignment with economic, environmental, and technological goals.
- Gamified Carbon Offsetting: Participants earn credits for sustainability efforts.
- Connectivity as Reward: Credits can be redeemed for SMS/data bundles, Providing connectivity where it's **most needed**
- ML Dataset Generation: Ongoing creation of rare, high-value labeled datasets tailored for machine learning
- .Actionable Insights: Unlock meaningful data for informed decisions in the connectivity and sustainability sectors across Southern Africa.

Potential Revenue Analysis

Monetized Data Ecosystem.

Core Revenue Streams

1. Provisional Carbon Credit (ICARUS) Monetization

2. Users maintain ownership of their energy, while Vgrid aggregates, verifies, and monetizes the impact as a mitigation activity incentivized with Icarus gamified rewards.

iCARUS Connectivity Credits are essentially provisional micro carbon credits generated from verified GHG offsets in Vgrid AI ecosystem that can be sold to organizations with ESG mandates, Green funds and sustainability-focused investors.

2. Data Monetization: VGrid's real value lies in the high-resolution, real-time energy and carbon offset data:Licensing data to renewable energy companies, academic institutions, and market forecasters with API access packages for developers or businesses who want to integrate carbon tracking into their platforms.Offering custom analytics solutions for policy makers or businesses focusing on sustainability.

c) Platform-as-a-Service (PaaS):Offer VGrid's virtual grid technology to solar providers, allowing them to directly make sales on the platform for their customers.Charge these providers via:Subscription fees for white-label solutions.

3. Pricing for access to Synergy ML insights

Aligning the Virtual Grid Concept:We Are a Data-Orchestrating Layer: VGrid doesn't control energy but enables data-driven value extraction from decentralized solar nodes.Decentralized Control with Centralized Insights:

pact through carbon markets and partnerships.---

Affiliate Partnerships:Collaborate with large solar farms, telcos3, fintechs, and other organizations to create co-branded campaigns, where a percentage of their profits (e.g., mobile bundles, financial services) supports Vgrid rewards.---

How Rewards are Funded:

Funding via Data Value:Gamified user participation increases data quality and volume.High-value datasets allow VGrid to scale its carbon credit sales and data analytics revenue, directly funding user rewards.

Pool Dynamics:Dynamic Reward Issuance: Rewards scale based on ICR market performance and user engagement metrics.Staggered Payouts: Implement lock-up periods for rewards to ensure sustained user participation and liquidity.---

3. any using AI to create value from energy decentralization by enabling verified GHG offsets and empowering communitiess a catalyst for democratized participation in the carbon economy, with the reward system as a bridge between individual action and global sustainability goals.---This positioning ensures. ecosystem's profitability, keeping the virtual grid operational without physically controlling energy.