TriQui - Tricycle Kiosk (hosted in Instituto Acción Pública · Clean Industry

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Country: ?? Colombia · Bogotá **Category:** Clean Industry **CT Taxonomy:** CT-TR-005 — Active & Sustainable Mobility **Impact Areas:** Adaptation, Circular Economy **Stage:** Public Beta **Team Size:** 6.0 **Website:** https://accionpublica.co **Funded:** True (27.0)

Elevator Pitch

TriQui is a solar tricycle kiosk co-designed with vendors to boost livelihoods. It blends cleantech (solar), modular design, and public-private partnerships to deploy inclusive, viable, and replicable urban solutions for better public space governance.

Climate Problem

Clean energy adoption is slow, costly & excludes informal workers. TriQui deploys solar urban furniture via street vendors - accelerating just energy transition from the ground up, without heavy infrastructure

Solution

TriQui is a modular, mobile solar kiosk that turns street vendors into clean energy nodes. Deployable in one week from US$5,000, it brings solar power, dignified work, and inclusive urban governance to public spaces.

Revenue Model

Revenue from tricycle sales/leasing, brand activation services (BTL), and government contracts for public space management. Microfranchise model enables network scaling with low capital requirements.

Target Market

Colombia's TAM: ~1M street vendors, $300M+ BTL/brand activation market, and growing government public space investment. Combined addressable opportunity: USD $400–600M in inclusive urban & clean energy infrastructure.

Social Impact

Migrants, Refugees - Asylum-seekers and Internally Displaced People, People Living in Extreme Poverty, Women

Demand Evidence

We have implemented two paying demos with Centro Internacional & Torre Colpatria, for high-end public spaces in Bogotá. This validates demand from brands and vendors, and regulation alignment to deploy solar and inclusive urban cleantechs.

Competitors

No direct competitor currently combines solar mobility + street vendor inclusion + brand activation. Indirect rivals include imported solar furniture (high cost, rigid), traditional BTL agencies, and informal vendor carts (no clean energy)

Founder Expertise

Acción Pública, backed by the Royal Academy of Engineering UK, combined urban policy, industrial design and grassroots innovation to design, build and pilot two prototypes, evidencing the viability and scalability of our project.

External Support

Triqui was developed under 'Grassroots Sun' research project, backed by the Royal Academy of Engineering UK. Registered industrial design. Pilots with public and private partners have been deployed Bogotá, Colombia.

Team

We have a cross-functional team, including: Executive Director, Creative Director, Industrial Designer, Electronics Engineer, BTL Marketing Expert, and Community Researcher

Founder

Cristian Gil-Sánchez

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