iColParts SAS BIC · Clean Industry

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Country: ?? Colombia · Bogota DC **Category:** Clean Industry **CT Taxonomy:** CT-BU-001 — Sustainable Construction Materials **Impact Areas:** Circular Economy **Stage:** Prototype **Team Size:** 3.0 **Website:** https://icolpartsr.wixsite.com/icolparts **Funded:** True (15000.0) **Founder:** Santiago Fajardo Ramirez

Elevator Pitch

We craft furniture and tiles from Ekomarblex: a circular alternative to marble. By upcycling EPS, used oil, and wood waste, we eliminate open-pit mining. Lighter, stronger, and patent-pending tech turning industrial waste into sustainable luxury.

Climate Problem

444M tons of EPS, oil, and wood waste choke the planet annually. Plastics pollute 80% of human blood, while 1L of oil kills 1M liters of water oxygen. This matters because unmanaged waste fuels health collapse and habitat loss from Global to Bogota.

Solution

We bridge the circular gap with Ekomarblex: a patent pending +tech turning EPS and used oil into lightweight stone. We stop microplastic leakage and toxic mining by upcycling 240t/year of industrial waste into high-end, carbon-negative architecture.

Revenue Model

We sell eco-tiles and furniture (23,300m2/yr) to architects and B2B clients. We also charge industrial waste management fees for EPS and oil disposal, plus future IP licensing to scale 336 plants globally. Waste is our asset.

Target Market

TAM: $120B global commercial furniture market. SAM: $1.5B LatAm HORECA furniture sector. SOM: $2M by capturing Bogota’s demand for 11,650m2/year of 34MPa waterproof surfaces for restaurants and bars. We turn their waste into their assets.

Social Impact

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

Demand Evidence

Demand is proven by our 12,000m2 annual pipeline and HORECA partners needing 34MPa waterproof furniture. With Bogotá burying 7.5k tons of waste daily, firms pay for our certified disposal. We replace costly marble with a circular, durable asset.

Competitors

Local rivals: Metamorfica and The Loop Concept. Global: Smile Plastics. We differ by using a patentble EPS-oil bond for 34MPa strength. We’re the only Bogota firm turning toxic styrofoam and oil into high-end, marble-like circular furniture.

Founder Expertise

Materials Engineer (10+ yrs), Industrial Designer & Recycling Tech CTO. We combine polymer science, strategy, and industrial ops to scale our patented waste-to-furniture process. A specialized team built for global industrialization.

External Support

Winner of the "Ideas que Salvan" program by WWF and Bavaria (2024). We received industrialization funding from the Catal1º5t program to scale our plant and participated in the EnCadena program for technical assistance in construction.

Team

Santiago (Founder): R&D and Engineering lead. S. Peñuela (Strategy/Design): Business development and product design. J. Skinner (CTO): Recycling technology and industrial scaling. We cover the full cycle from industrial waste to premium circular furniture

Founder

Santiago Fajardo Ramirez

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