

SatEmis · Air & Environment

SatEmis

Country: ?? Colombia · Bogotá **Category:** Air & Environment **CT Taxonomy:** CT-IC-002 — AI-Powered MRV & Carbon Digitization **Stage:** Prototype **Team Size:** 3.0 **Funded:** False

Elevator Pitch

Platform that combines satellite data and AI to detect emission, verify corporate inventories, and identify cost-effective mitigation actions. We help high-emission industries turn climate compliance into measurable savings and trusted carbon assets.

Climate Problem

SatEmis addresses inaccurate and slow industrial emissions monitoring, especially methane and combustion gases. Poor data delays mitigation, increases costs, and weakens climate action. Faster trusted detection helps cut high-impact greenhouse gases.

Solution

SatEmis provides a SaaS MRV platform using satellite data and AI to detect anomalies, compare reported vs observed emissions, and identify mitigation actions. Clients receive dashboards, reports, and prioritized audits to reduce emissions faster.

Revenue Model

We generate revenue through SaaS subscriptions for monitored sites, monthly inventory management plans, premium analytics, compliance reports, and consulting services for decarbonization strategies and emissions reduction projects.

Target Market

Our target market is high-emission sectors: oil & gas, power generation, waste management, mining, steel, and large industry, as well as the government. We start in Colombia, where methane regulation and carbon markets create urgent demand.

Social Impact

Indigenous Peoples

Demand Evidence

Demand is driven by stricter Green House Gases (GHG) rules, ESG pressure, carbon markets, and rising compliance costs. Companies need trusted emissions data, faster audits, and lower-cost monitoring to reduce risk and improve sustainability performance.

Competitors

Global competitors include GHGSat and Kayrros. Local competition is mainly environmental consultancies doing manual inventories. In Colombia, few combine satellites, AI, and digital MRV in one platform.

Founder Expertise

We have analyzed open satellite data using ML methods and SOAT techniques. We also bring knowledge on regulatory framework on decarbonization, creating net-zero pathways and public policy design.

External Support

None.

Team

By now, mostly development roles in satellite data and MVP, market research and value funding seeking.

Founder

Hernan Mojica

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