MetanoSRGAN Elite · Air & Environment

MetanoSRGAN Elite

Country: ?? Colombia · Valdivia, Antioquia **Category:** Air & Environment **CT Taxonomy:** CT-IC-002 — AI-Powered MRV & Carbon Digitization **Stage:** Prototype **Team Size:** 1.0 **Website:** https://metanosrgan.lat/ **Funded:** False **Founder:** Isai Alexander Ortiz Ortiz

Elevator Pitch

MetanoSRGAN Elite is a satellite-AI engine that solves the "blurriness" in global methane monitoring. By fusing Sentinel-5P and Sentinel-2 data, we transform 7km-resolution data into sub-kilometer actionable intelligence.

Climate Problem

Methane is 80x more potent than CO2, yet current monitoring is blurry (7km/pixel). This allows massive leaks to go undetected for weeks. Precision monitoring is vital to hit global cooling targets.

Solution

We provide sub-kilometer precision monitoring using custom Super-Resolution GANs (SRGAN). By fusing low-res S5P data with high-res S2 data, we pinpoint exact leak locations for oil/gas companies and governments.

Revenue Model

We operate on a B2B SaaS model, charging oil/gas companies and environmental agencies for high-precision methane monitoring reports and real-time alerts. Tiered pricing based on geographic coverage and frequency of reports.

Target Market

Our target market includes global oil & gas corporations (Shell, BP, Exxon), national environmental agencies, and municipal governments in methane-heavy regions like the Permian Basin and Middle East.

Social Impact

People Living in Extreme Poverty

Demand Evidence

The Global Methane Pledge and stricter regulations (like EU's methane import rules) have created a massive gap for precise monitoring. Companies currently face heavy fines and need our sub-km precision to find leaks fast.

Competitors

Key competitors include GHGSat and Kayrros. However, GHGSat is expensive for many small operators, and Kayrros relies on standard resolution. Our SRGAN technology offers a unique balance of high precision and cost-effectiveness.

Founder Expertise

I am a 16-year-old self-taught developer from Valdivia, Colombia. I have built the MetanoSRGAN engine from scratch, integrating AI and satellite data. I bring deep technical knowledge and a unique perspective from a methane-heavy region.

External Support

We have received technical guidance from the Google for Startups Cloud program (credits pending) and have a live MVP integrated with Sentinel Hub APIs. Currently seeking financial support to scale our GPU infrastructure.

Team

Founder & Lead Developer: Responsible for AI model training, satellite data integration, and frontend/backend development. Currently managing all technical and business operations independently.

Founder

Isai Alexander Ortiz Ortiz

Revisión #5
Creado 2026-05-29 03:21:12 UTC por Angelica Diaz
Actualizado 2026-09-18 19:16:25 UTC por Angelica Diaz