



Elevate performance.
Reduce emissions.

- **ORIGINE** : CNES spin-off founded in 2018, based in Nantes, Toulouse and Paris.
- **DNA** : Space data and remote sensing.
- **MISSION** : Fighting climate change and improving air quality.
- **EXPERTISE** : Space Deep Tech to offer emissions monitoring solutions that allow our customers to "act where its mater".



Emission detection, identification and monitoring

EMISSIONS MEASUREMENTS

- Aircraft Emission Tracker: Proprietary imager to track aircrafts on ground (engine & APU use, timestamps, calculated emissions,...)
- Satellite-derived concentration and emission fields (benchmarking between airports and monitoring temporal evolution)
- Spectral camera campaigns (emission real measurement)

MODELIZATION

- Regional-scale modeling: evaluation of airport and port impacts on the broader areas
- Update & Refinement of regional emission inventories

DIGITAL PLATFORM

- Capacity Building
- Dashboard skills
- European projects management skills

Our Solution for Airports

Aircraft Emission Tracker.



The 1st operational solution for real-time aircraft monitoring on the ground, combining Multispectral Imaging and AI.

- ✓ Timestamp of events from landing to take-off (AIBT, AOBT, APU/Engine ON/OFF, ELD, EIBT, ALDY, ATOT).
- ✓ APU/Usage Engine "live" Parking et Taxiway (Provides associated emissions CO2, NOx, HC, CO et PM - of which UF particles).
- ✓ Safety (Refuelling with kerosene, crossing the line, interpose zones...).
- ✓ Personalize real-time alerts (Integration of security alerts into your operational workflows).

Simple electrical connection (16A EU plug)

Communication 4G/5G

Edge Computing - Embedded Processing

Positives impacts

Up to **20mins**
Reduced APU & Engine usage*

Up to **70€**
Reduced fuel consumption*

Equivalent to **-220 kg** of CO₂

-300 g of NOx

*Operational data. Short-haul ratio of 66%

INVESTORS

THEY TRUST US