



Our challenge is to transit
to a zero net pollution
world within a 20 years
frame



PLATFORM TO MEASURE ENVIRONMENTAL COMPLIANCE

UAVs &
Ground-based
monitoring

Disaitek
solution



Quickly



At global scale



Cost-effectively



Reliable



Waste pollution
GHG emissions
Carbon removal monitoring
Air pollution

DISAITEK CORE TEAM



**Advisory Board
Member**

**Elise
COLIN**

PhD Physics

**ONERA
research
director**



Co founders

**Anthony
GRAVELINE
CEO**

**Ex CEO / CIO
/ Chairman**



**Gregory
CHATEL**

**PhD
Computer
Science**



**Flavien
VANSYNGEL**

PhD Physics



**Rodrigo
RIVEIRA**

**PhD Climate
Physics**



**Thibaud
RICHARD**

**PhD Physics
ENS**



**Michael
KUHNS**

VP Global sales

**mkuhns
@disaitek.com**



**BUSINESS
INCUBATION
CENTRE**

Nord
France



ACHIEVEMENTS SO FAR

Two world-first technologies developed :

- Advanced Deep Learning for the detection of variable period exoplanets
- Platform that automates the detection of fly-tipping and illegal landfills with very high resolution imagery and advanced AI

Major deal signed in May:

- **SCSNE: Monitor progress and environmental impact**
 - 110 km² length, 175 millions m³ of soil excavated, 10 years program.
 - Saving more than 5 millions truck a year on European roads.
 - Carbon offset under 9 years.



The problem we address



FLY TIPPING (ILLEGAL DUMPSITES)



ILLEGAL LANDFILLS

Impacts

- Environmental (soil, air, groundwater, streams, CH4 emissions, biodiversity) (1)(2)
- Public health (harmful substances, contaminated drinking water, etc.) (3)
- Social (citizen stress)
- Economic (loss of jobs in the waste management sector, depollution costs, loss of taxes, unfair competition ...)(4)
- Organized crime funding (4)

(1) Annex III / Waste atlas report 2014

(2) [Using satellites to uncover large methane emissions from landfills](#)

(3) UN Vienna 2022 / Combatting Waste Trafficking / A guide to good legislative practices

(4) [Mapping the risk of serious and organised crime infiltrating legitimate businesses](#)

Waste problem at European level

« Waste crime » is one of the four main crimes against environment (Europol) and a pillar within European ECA (Environmental Compliance Assurance) program (1)

Illicits revenues generated by diverting away waste from legal system account for an averaged estimation of 9 billions a year in Europe (2)

ECA program leverages three axis : Promotion, Monitoring and Law enforcement

EU considers earth observation as one of the 9 means to fight against environmental crimes (4)

(1) https://ec.europa.eu/environment/legal/compliance_en.htm

(2) [Mapping the risk of serious and organised crime infiltrating legitimate businesses](#)

(3) [UNEP / Interpol – The rise of environmental crime](#)

(4) [EU actions to improve environmental compliance and governance](#)

DISAITEK TRANSITION PLATFORM Customers

