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DRONE SERVICES FIJI

Enabling UAV Capacity in the Pacific

Drone Services Fiji is committed to supporting the United Nations Sustainable Development Goals (SDGs), aligning our business with global efforts for positive change. We focus on:

SDG 4 – Quality Education: Empowering individuals with access to advanced UAV technology.

SDG 8 – Decent Work and Economic Growth: Contributing to the growth of the UAV industry in the Pacific.

SDG 9 – Industry, Innovation, and Infrastructure: Advancing UAV technology for mapping and infrastructure needs.

SDG 13 – Climate Action: Supporting sustainable development and environmental conservation with precise data collection solutions.

contact: hello@droneservices.com.fj

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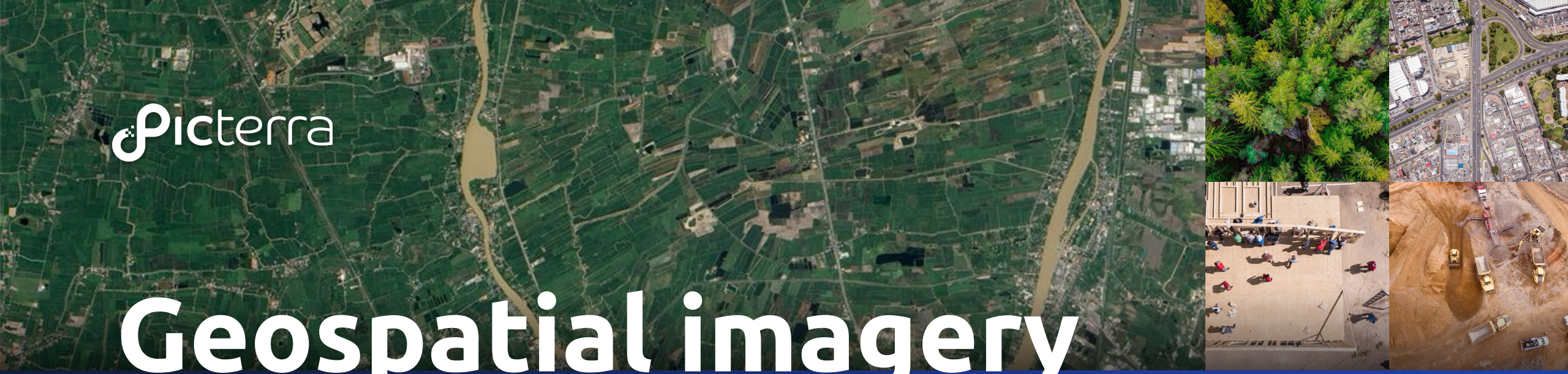
Unlock greater understanding of the physical world

The only fully productized GeoAI system for monitoring physical assets

www.picterra.ch



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Geospatial imagery

Ever increasing launch rate of Earth Observation satellites is driving an unprecedented growth in accessible geospatial data for analysis and monitoring

6x

cheaper in 10 years

200TB

of Earth Observation imagery collected daily

10x

improved frequency (near real time) and **resolution** (≤30cm)

190%

increase in EO satellite launches over the next decade

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GeoAI

intersection of geospatial data and AI

AI unlocks critical insights embedded in geospatial imagery - accessing information otherwise impossible to obtain:

Enables large scale extraction of information from geospatial imagery using advanced AI algorithms.

No need for dedicated large teams of data scientists and engineers.

No heavy IT infrastructure needed thanks to auto-scaling cloud computing.

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If you can see it, we can detect it

From Earth Observation imagery to Actionable Insights with AI

- *Founded in 2016 in Switzerland*
- *100+ enterprise clients globally*
- *30,000+ Machine Learning models*

The Nature Conservancy · THE WORLD BANK · WalterMatter · Rural Payments Agency · SUNCOR · eramet

Plowman Craven · NESPRESSO · gm general motors

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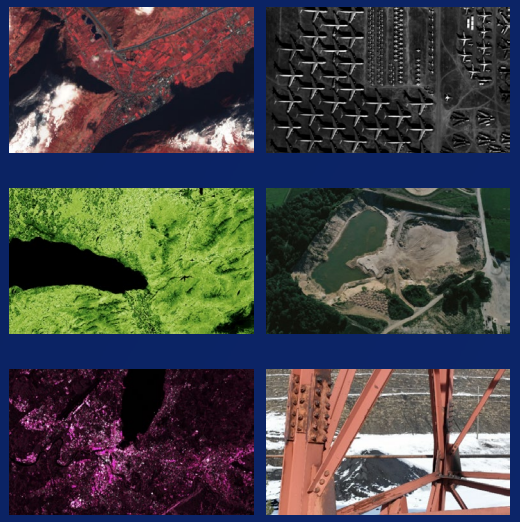
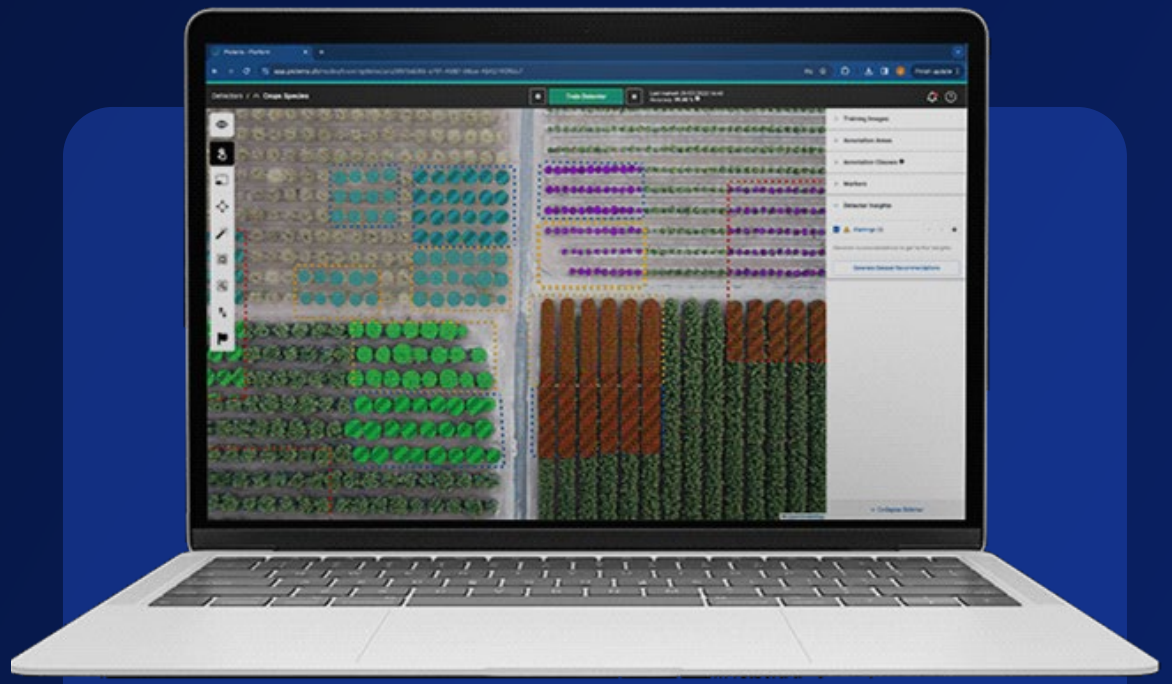
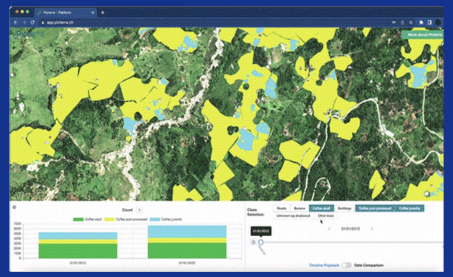
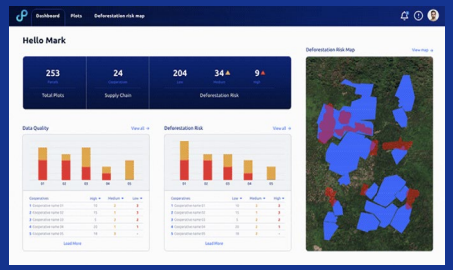
How it works









Input Earth Imagery
Drone, Aerial, Satellite

Automate imagery analysis
accurately and in real-time

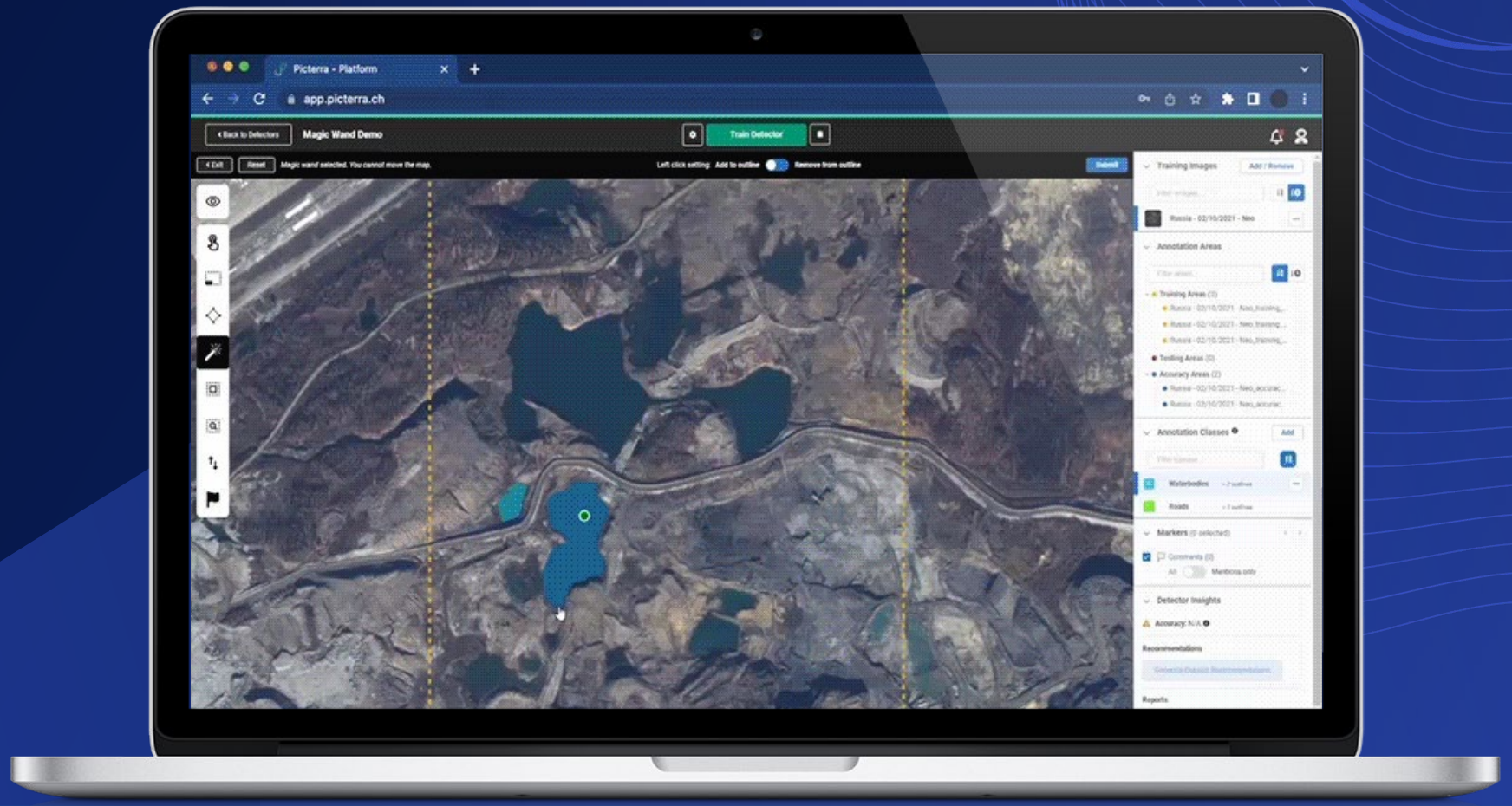
Output reports & dashboards

Enterprise ***software***

Cloud-based for speed and scalability

Intuitive and collaborative UI

Secure and robust



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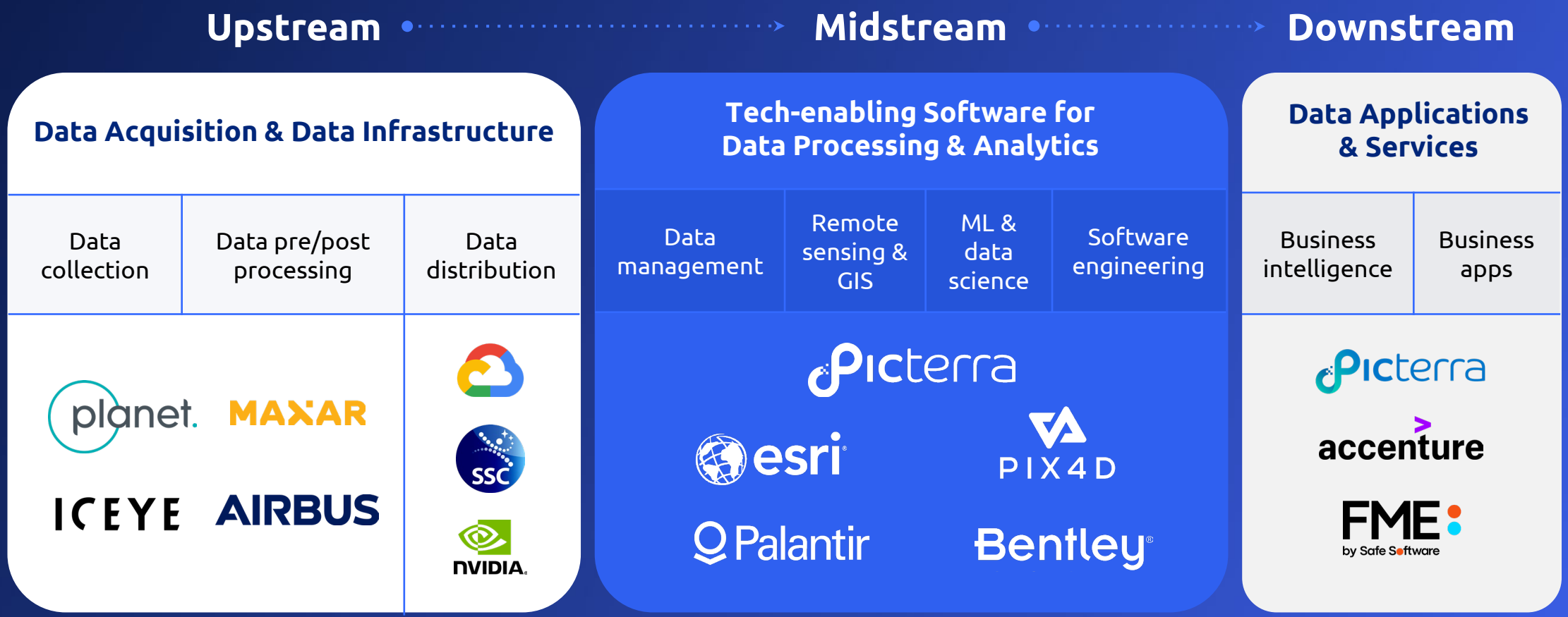
The Geospatial Value Chain



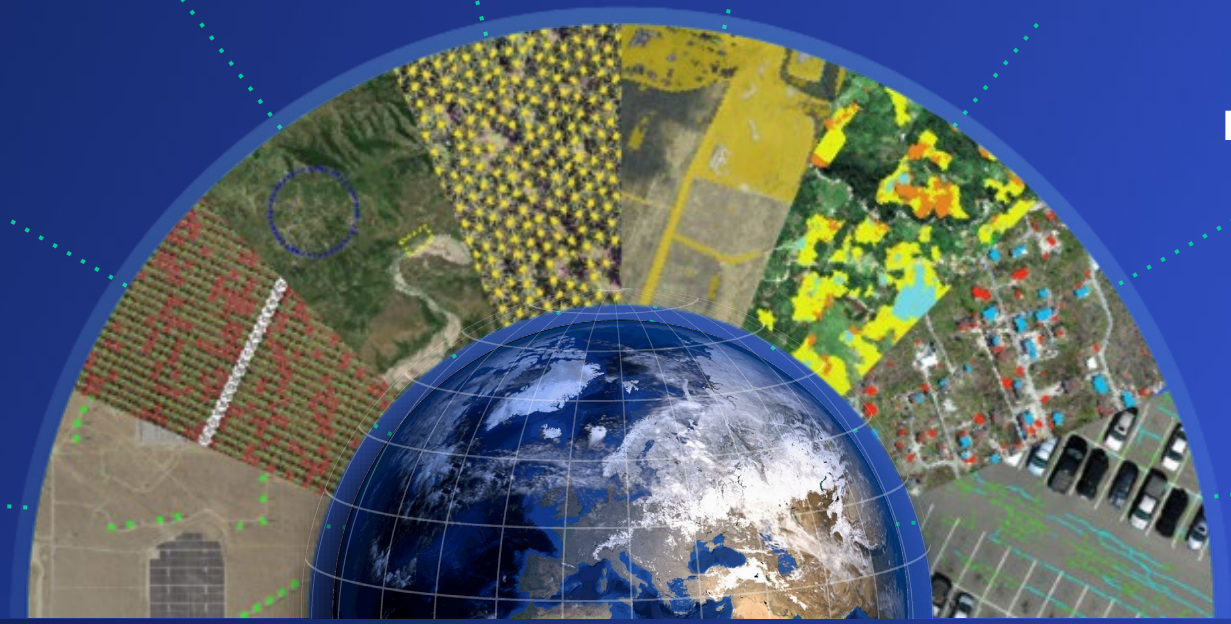
Unlocking new solutions **across industries**

FORESTRY, WOOD & PULP
Tree inventory
Seedling detection
Survival assessment

MINING
Cracks & erosion,
water bodies localisation
Haul roads mapping
Mines rehabilitation

GOVERNMENT & COMPLIANCE
Farming Practices, Land Monitoring,
Emissions, Water management

MANUFACTURING
Supply Chain Optimization
Inventory Management
Damage Prevention & Security
Environmental Insights



FMCG
Sustainable supply chain
management, ESG reporting

FINANCIAL INSTITUTIONS
Commodity Monitoring
Infrastructure Developments
Real Estate

ENERGY & UTILITIES
Renewable energy, energy
distribution networks, oil and gas
infrastructure monitoring

TRANSPORTATION & LOGISTICS
Railways, roads & highways, ports
other transportation networks
and intelligent systems

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GeoAI in Governments

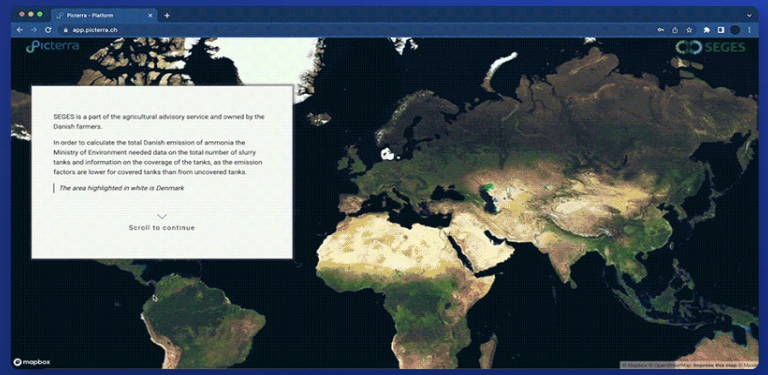
Monitoring natural disasters and intelligence

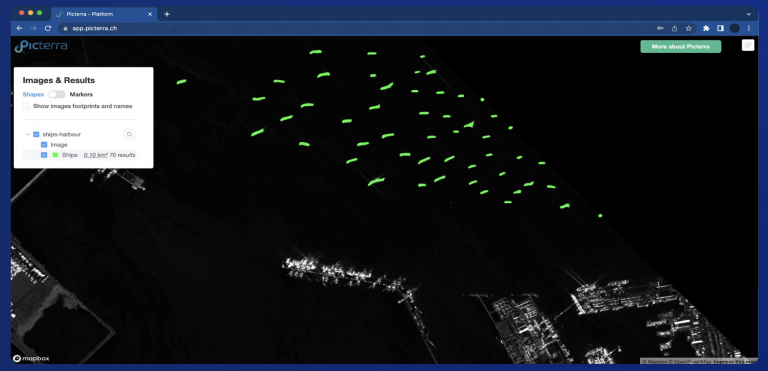
Floods and Wildfires

Country-wide assessments

Border Security

Urban Developments





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GeoAI in Forestry

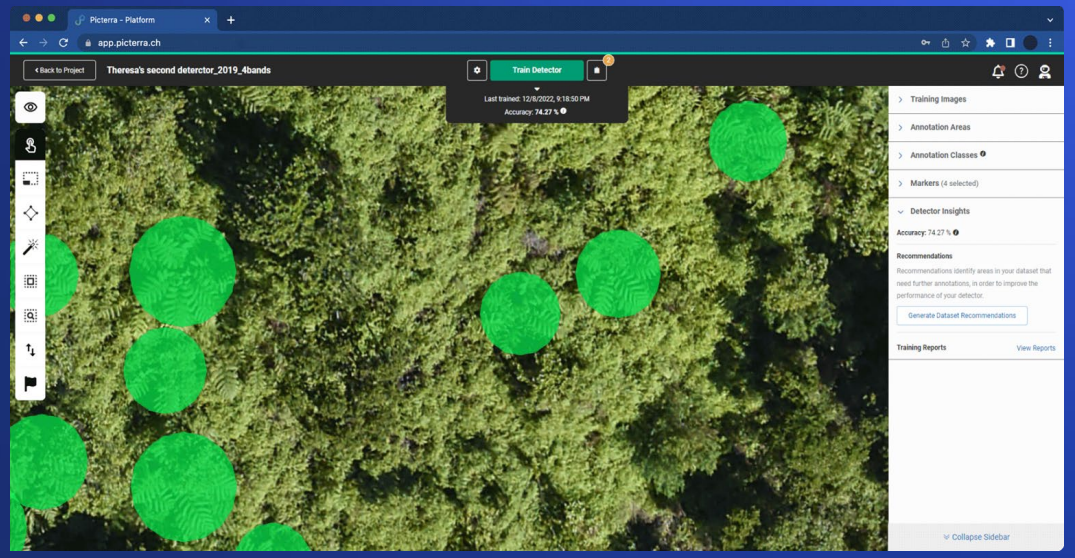
Forestry Management and Carbon Markets

Forest Health & Inventory

Carbon Stock Estimates

Invasive Species Detection

Deforestation Risks



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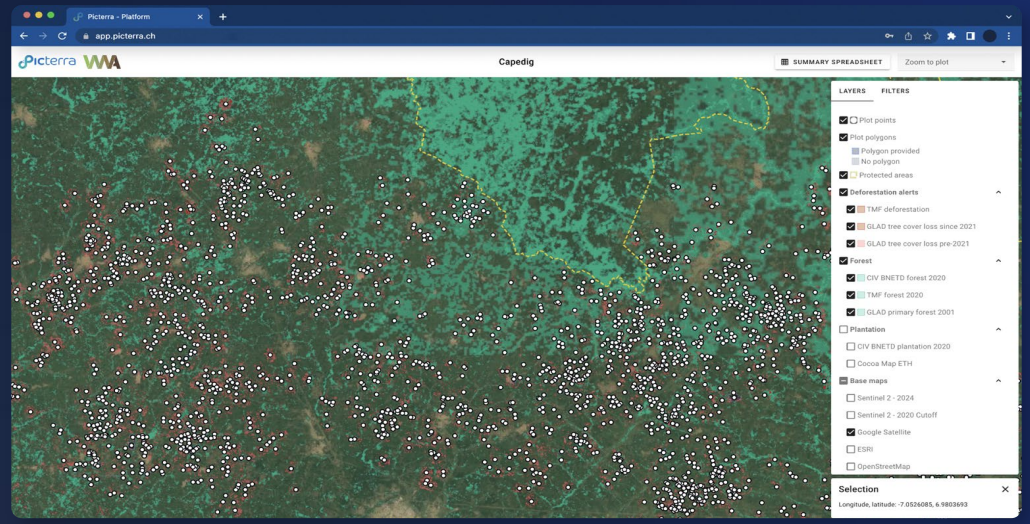
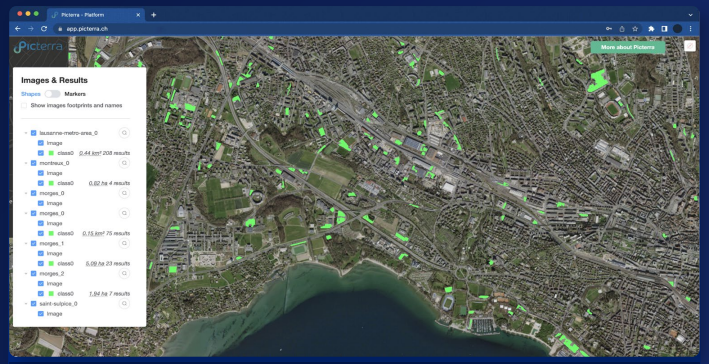
GeoAI in Soft Commodities

Deforestation and Sustainable Farming



Customer stories: Climate & environmental protection

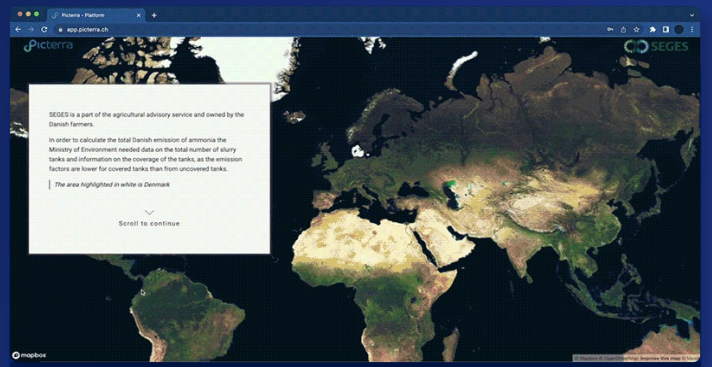
Safeguarding the environment, **protecting** habitats and incentivising responsible development



Renewable energy solutions

10.000+ parking lots
in urban areas identified with optimal conditions for solar energy generation, using a combination of aerial and satellite imagery.

Energy production and distribution company

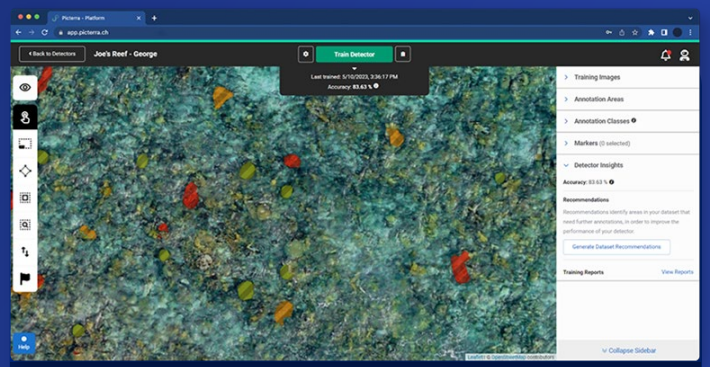


Providing insights that support the reduction of emissions

25,000 slurry tanks
detected in a few hours across Denmark, providing estimates on Ammonia pollutions.

Ministry of Environment of Denmark

SEGES INNOVATION



Improving coral conservation

4 types of coral species
distinguished and mapped (Orbicella, Millepora, Diploria, Acropora), using 1 cm resolution drone imagery.

Global environmental non-profit operating in 76 countries & territories

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Customer stories: Forestry & carbon markets

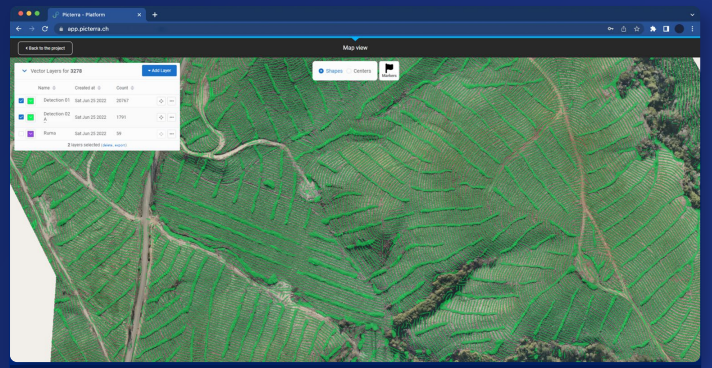
Manual, in-person forest monitoring is **too expensive & unscalable**

Scaling forest management practises to accelerate decarbonization efforts

80,000 saplings

and 115,000 empty holes that are irrigated/ oxidized and ripe for re-growth across 10,000+ hectares detected with a single model.

Forestry management for carbon farming company in New Zealand



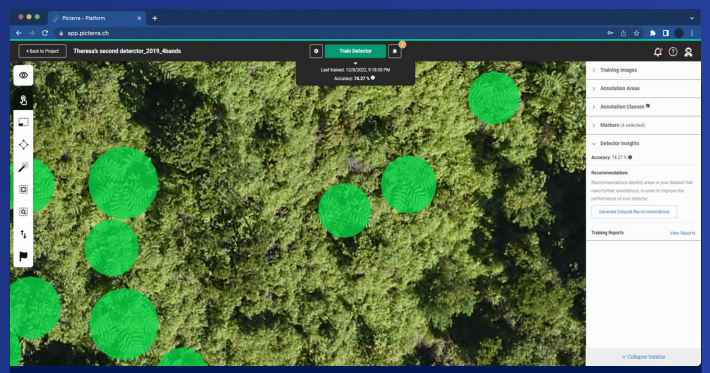
Optimizing forestry cycle monitoring with Picterra

+50.000 hectares

of forest monitored using drone data at 1 cm resolution, providing insights on harvesting, soil preparation, plantation, and survival analysis of the forest.

Learn more: Full case story

CIVIS



Detecting invasive species to stop widespread outbreaks

~6000 tree ferns

identified in Hawaii that are invasive to the environment. Detection via 3cm aerial imagery allowed for targeted interventions to prevent further spread.

Global environmental non-profit operating in 76 countries & territories

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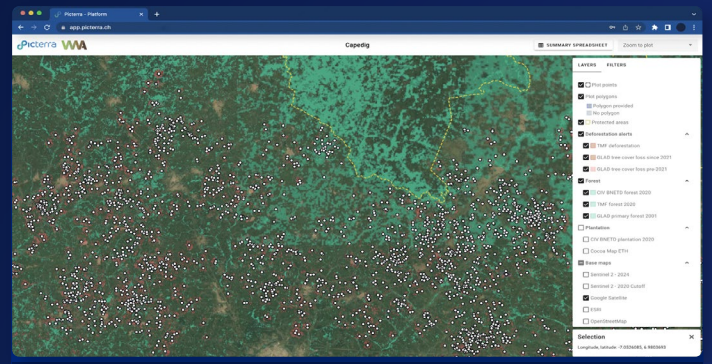
Customer stories: FMCG & agriculture

Supply chain traceability & monitoring at scale **require efficiency, auditability, and precision**



Deforestation change detection for EUDR compliance

6,500 parcels

monitored + quality & EUDR risk assessed in Ivory Coast. Expanding due diligence and deforestation compliance across further Walter Matter sourcing locations.

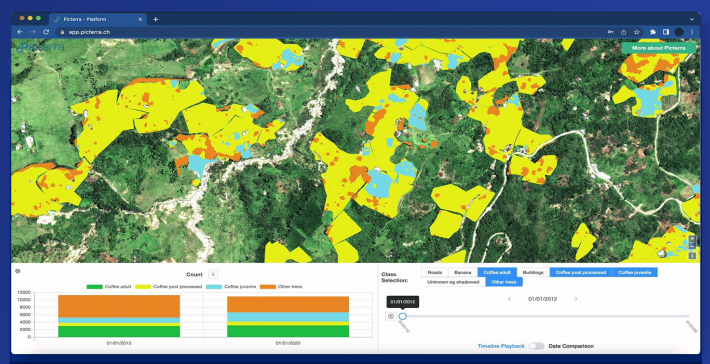
WalterMatter

Hedgerows and identification of biodiversity markers around agricultural lands

>130,000 km2

Monitoring the entirety of England to detect hedgerows as key indicator of biodiversity improvement in agricultural landscapes. Input data: 25 cm resolution aerial imagery combined with RGB & nDSM data.

Government agency in charge of agricultural subsidies



Increase visibility and traceability into farming practices at scale & measuring sustainability KPIs

150,000 farms

supported with sustainable farming practices across 15 countries. Satellite imagery used to provide insights on shading and adult/ juvenile coffee and banana trees.

Global producer of premium brand coffee operating in 81 countries

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Thank you

Find out more at

picterra.ch
LinkedIn
YouTube
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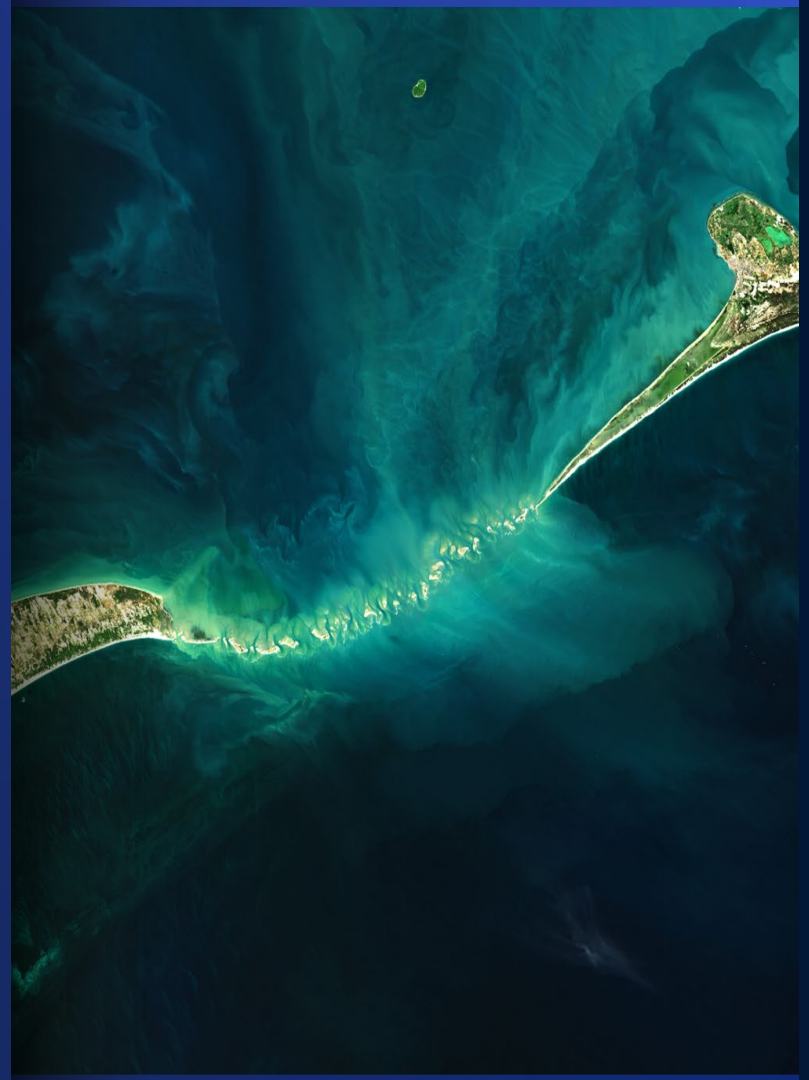

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