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GFlyPix Al

Commercial Space Industry Unlocking Potential of Image Intelligence



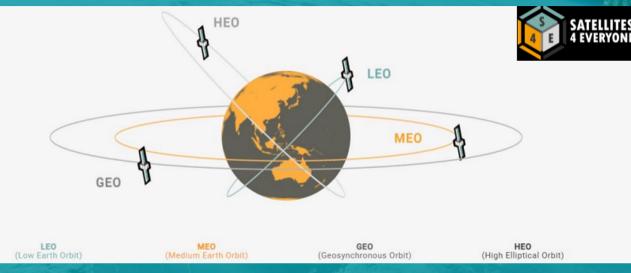
GWF 2024





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Orbits



source: What is Earth Observation? A Tour of the Technology by JNCC]

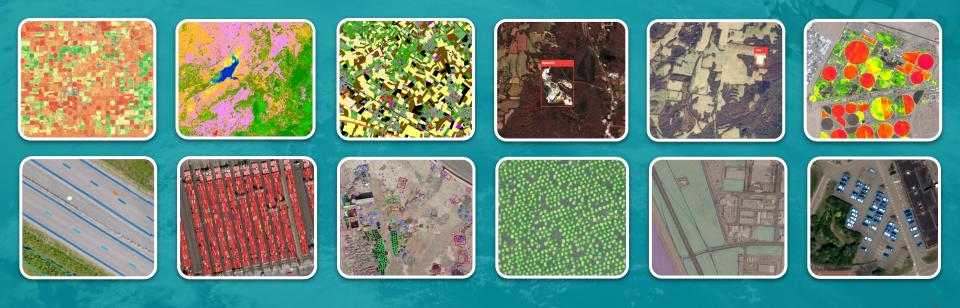
- There are thousands of satellites currently in orbit
- ~800 satellites are earth observation missions
 - Meteorology
 - o Land
 - o Marine

Hundreds of terabytes captured daily, showcasing every nook and cranny of Earth!

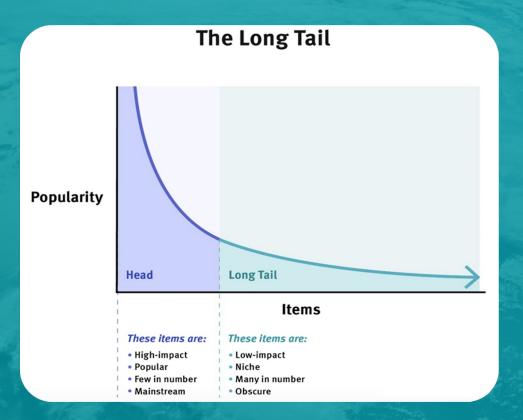
Image intelligence for EO

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• Low/High-res applications



The Long Tail Problem/Opportunity



Head

- Insurance
- Defence & Intelligence
- Disaster management

• Etc.

Tail

- Civil Engineering
- Ecology
- Forestry

....

Agriculture



Affordable

Options Available on the Market

No expertise required



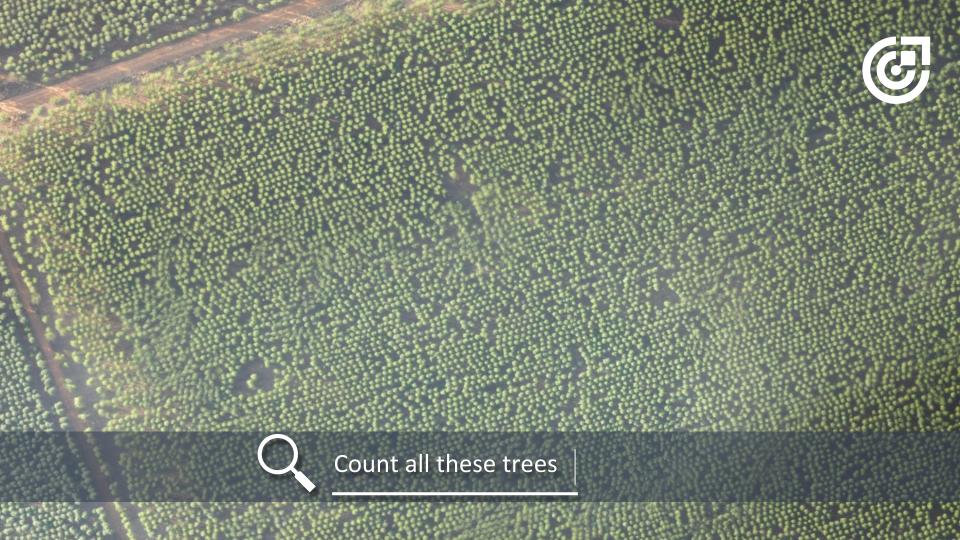


Expensive





Al expertise required



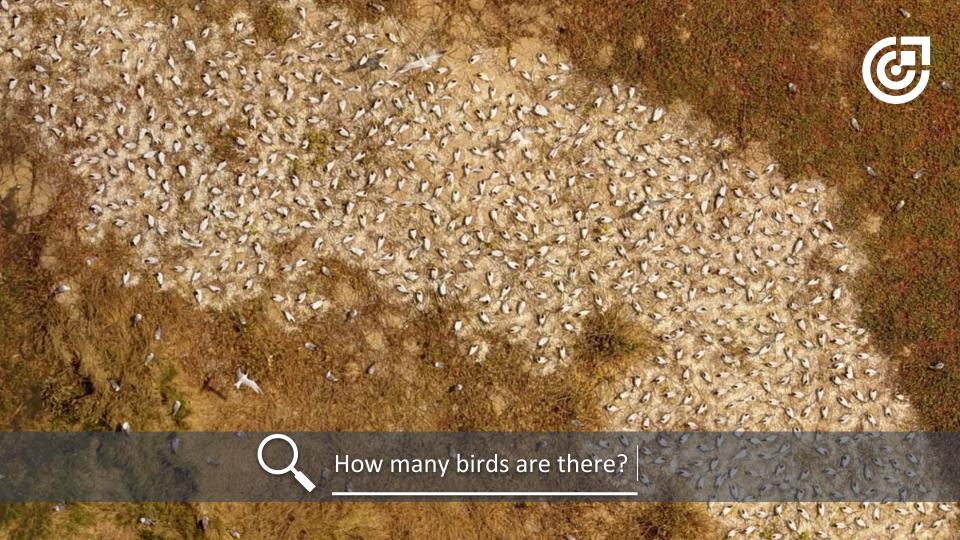
Detect and measure all broken cement blocks

19.20

6-)



EXE





How many containers are there?

Return me all building footprints

THE PARTY

N PL P



...and thousands of other commercial use cases

• that require EO data

- are to be executed by non-AI/EO personnel
- significantly benefit from automated processing (speed, accuracy, cost)

The Vision of FlyPix Al



"Provide single-click access to earth observation insights"

FlyPix Al Platform





Data Providers



Customer Application







FlyPix AI Value Proposition





Extracts semantics from aerial and satellite images



Designed for non-experts



Allows building new applications in few clicks



Cost-efficient and scalable

Validated to offer up to a **100x cost reduction** for customers









How it works







Apply/Create AI model for your custom task



Get necessary insights



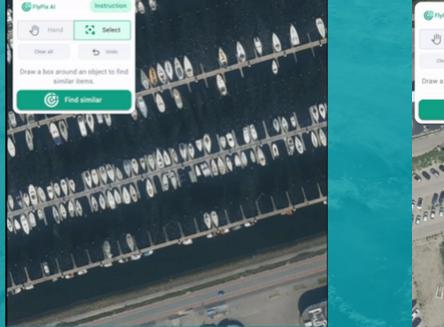
Decide and Act

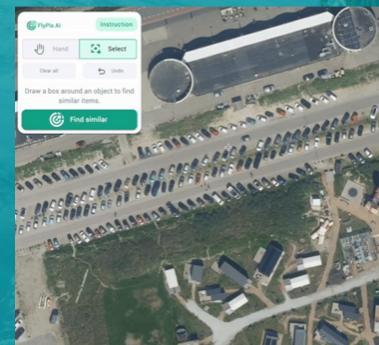


simple steps for instead of weeks/months of work and inflated budgets

Establishing a new model

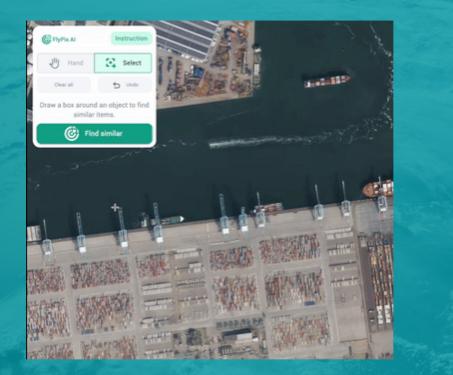


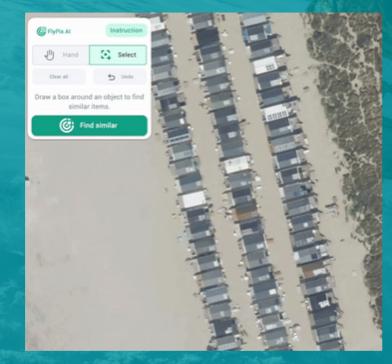


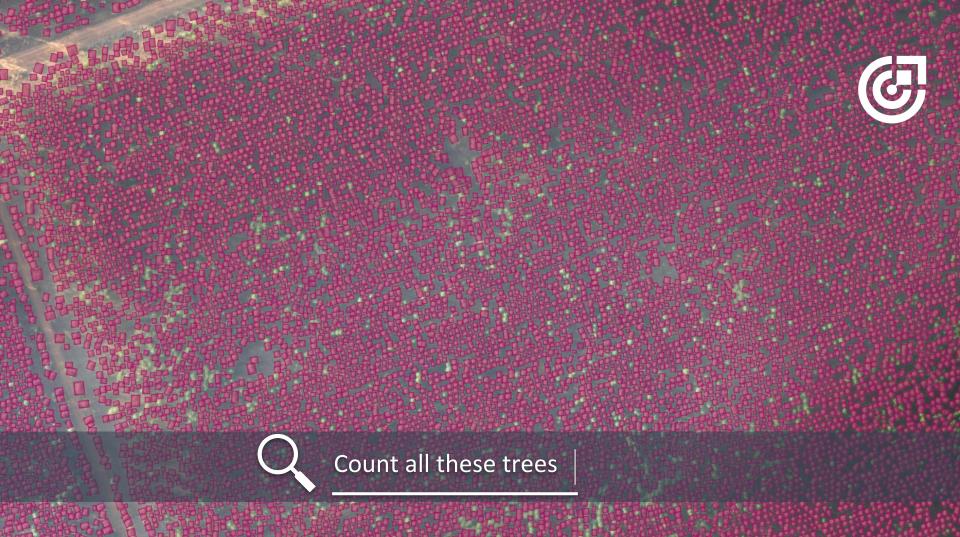


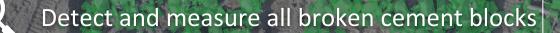
Establishing a new model

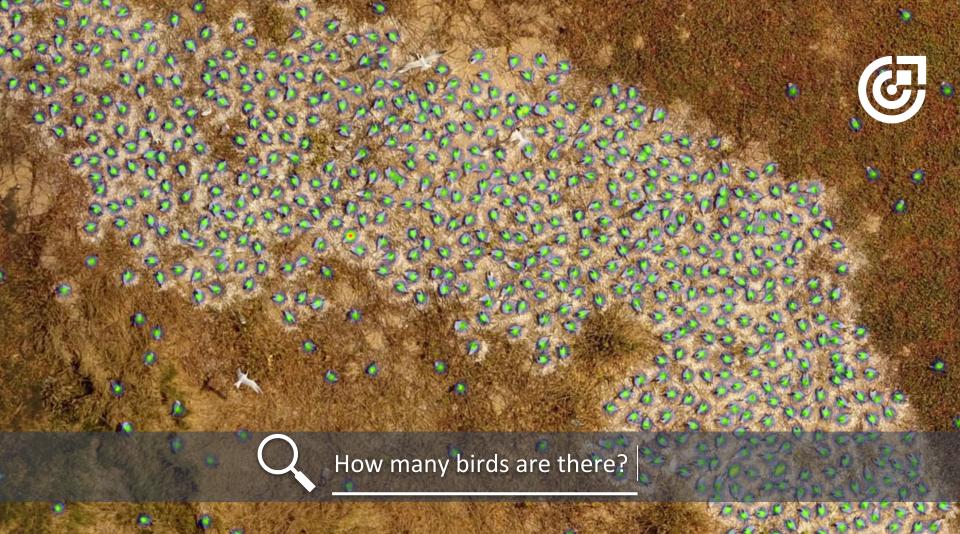






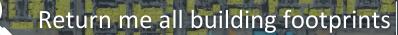






How many containers are there?

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Geospatial Analytics as a Service

Flexible Pricing to fit companies of all sizes



SUBSCRIPTION

Fixed amount of data processing per month

Small companies



PAY AS YOU GO

Flat price per GB of processed data

Mid-large companies

Achievements & Awards



Award-winning Albackbone technology



• Cesa Al4EO Winner 2023



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Backup

Technical Capabilities

Object localization

Dynamic area monitoring

Tracking over time

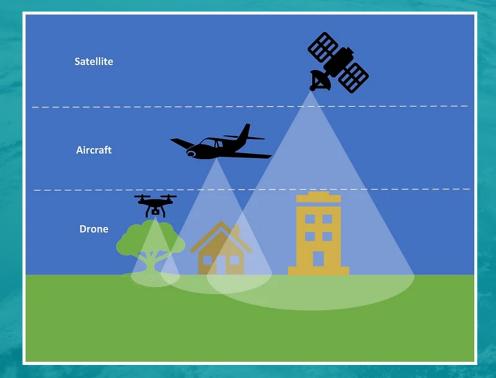
Object properties analysis

Anomaly detection

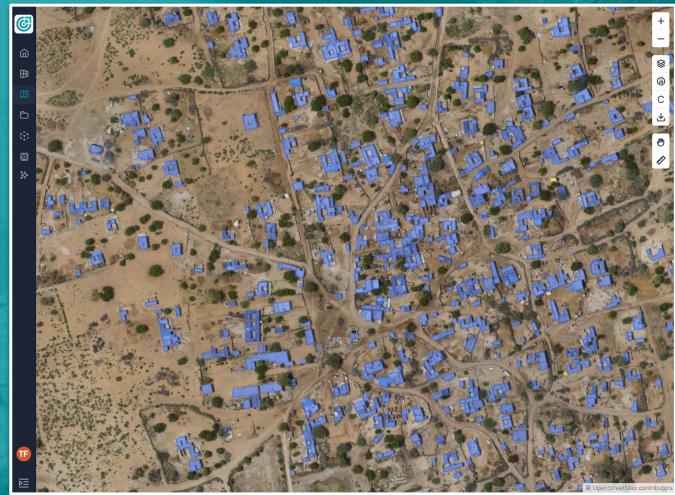
Custom model refinement

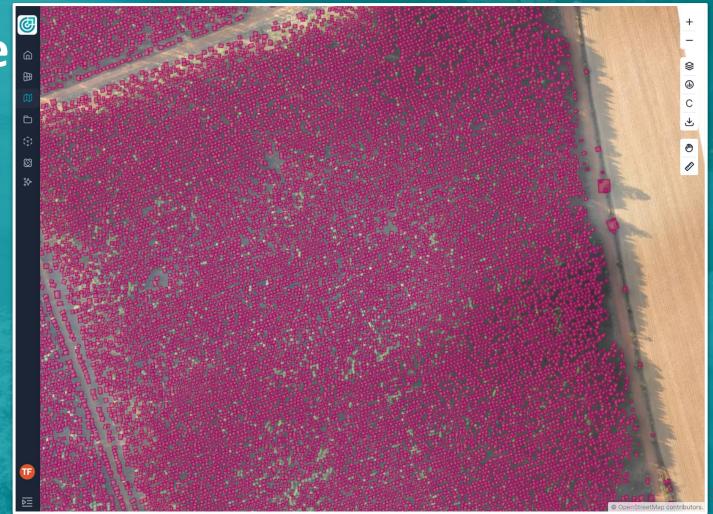
Data



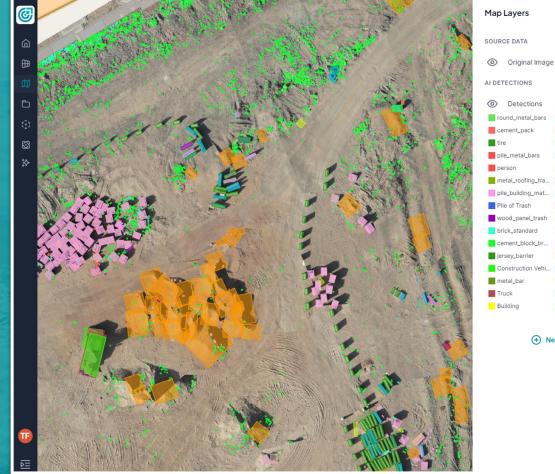


- Limiting factor
- Expensive
- Processing is difficult









884 Detections round_metal_bars metal_fence_elem... wood_pallet_stand brick_holes traffic_street_sign pile_wood_sticks metal_roofing_tra... Car pile_building_mat... other_concrete_el... Tree wood_panel_trash wood_stick other_trash cement_block_br... concrete_wall_ele... Heap Construction Vehi... e metal_tubular_obj... electrical_wires metal_bin wooden_reel

×

New AI Detections

3.





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