

Applications Using Planet Satellite Data in India

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PLANET'S MISSION

To image the whole world every day and make global change visible, accessible, and actionable.

Our Public Benefit Corporation (PBC) Purpose:

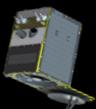
To accelerate humanity toward a more sustainable, secure, and prosperous world by illuminating environmental and social change.





Planetscope Always-on Monitoring

- ~180 satellites
- Up to 300 million km² / day
- 8-band
- Unique scanning



SkySat

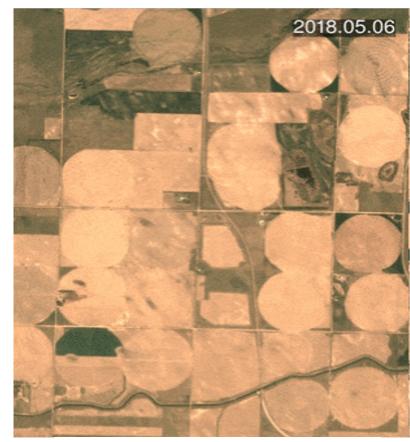
- ~20 satellites
- 50cm resolution
- RGB, NIR, and Pan bands
- Sub-daily tasking





Planet offer Near Daily and Subdaily Imagery

Planetscope (3m)



Nebraska growing season 2018 Planetscope Near Daily

SkySat (50cm)



Rishiganga Landslide Lake 2021 SkySat Sub-daily





Planet offer Near Daily and Subdaily Imagery

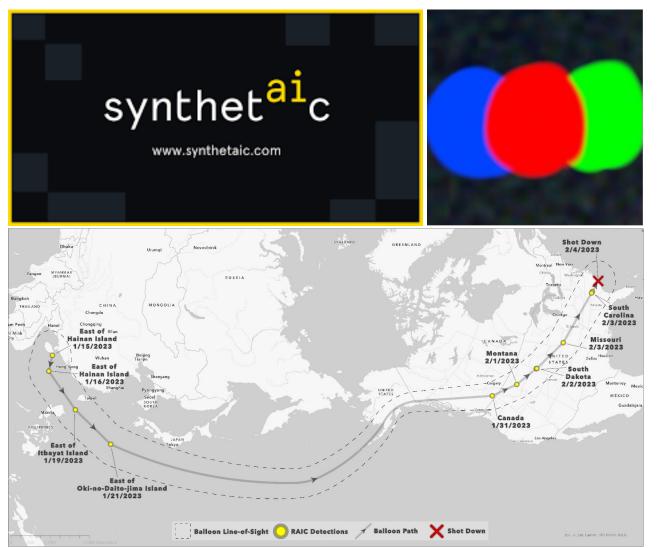


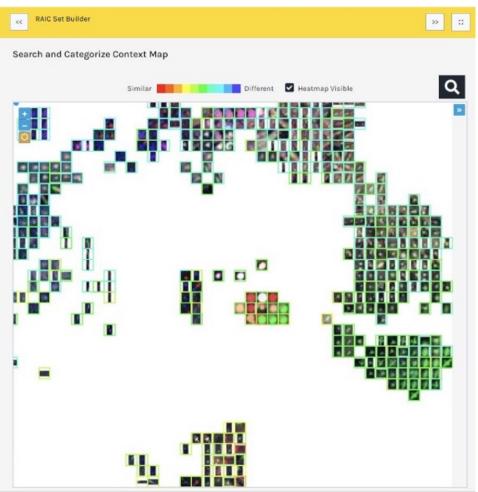
Chinese Balloon in US Air space: Could be part of a new space race closer to Earth





Planet offer Near Daily and Subdaily Imagery





2000 imagery in any point of earth



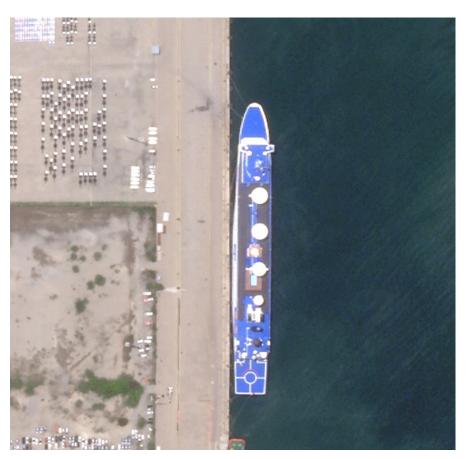




Planet offer High Resolution and Very High Resolution Imagery Chinese Ship inHembantota Port, Sri Lanka



Planetcope (3m) 17-Aug-2022



Planet SkySat (50cm) 19-Aug-2022



On Demand Tasking





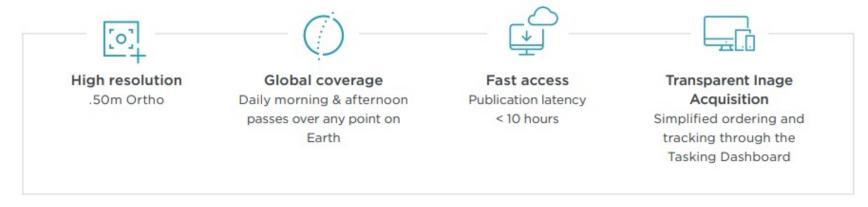
Quick Access of Imagery

PLANET TASKING

On-demand high-resolution intelligence

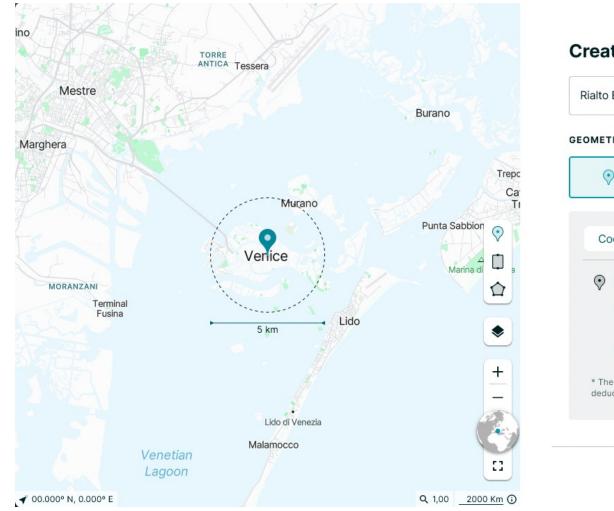
The accelerating pace of global change demands that organizations have rapid access to fresh and accurate information. But the traditional satellite tasking model hasn't evolved to deliver high-resolution imagery reliably and quickly, limiting intelligence gathering and hampering decision-making.

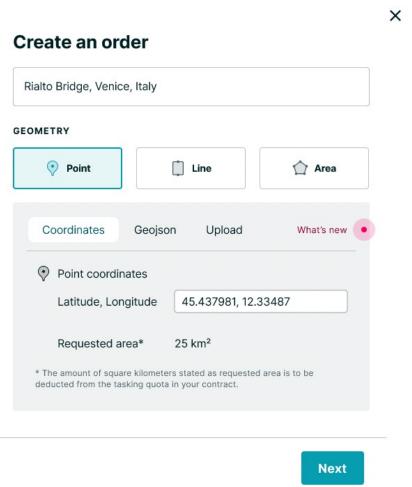
Planet Tasking empowers organizations with global access to high-frequency, very-high-resolution (50 cm) imagery on their own terms, giving them intelligence and visibility multiple times per day. Built for flexibility and frequency, Planet offers the highest coverage capacity and revisit cadence of any commercial provider, allowing organizations to image any point on Earth multiple times a day, including hot spots where there was previously competition for scarce resources.





Tasking Dashboard: Free to Control Tasking Area



























Tip & Cue





Planet Data Reveals Critical Geopolitical Developments



This is the second time in two months the public has discovered what we have been saying all along about the growing threat the world faces and the veil of secrecy that surrounds it.

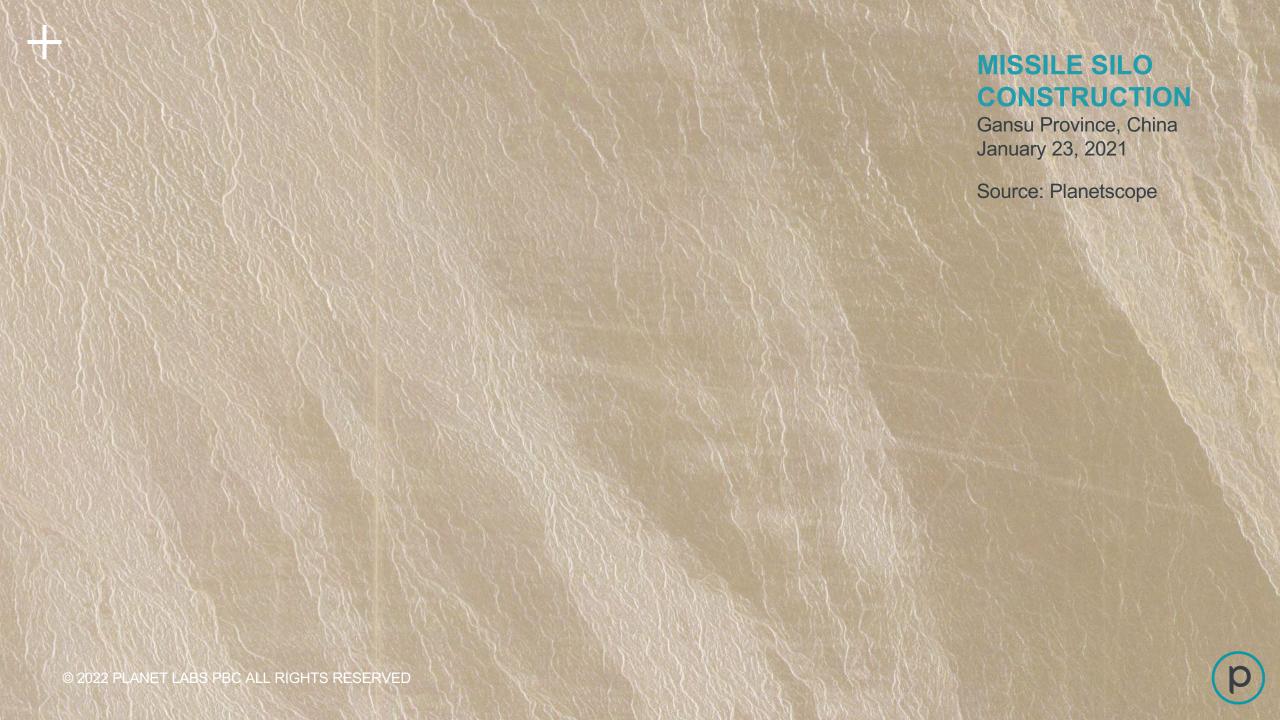


"the Federation of American Scientists (FAS), a research group, said it had spotted China building as many as 110 silos for intercontinental ballistic missiles (ICBMs) near the city of Hami, in eastern Xinjiang (see picture). A month earlier, the James Martin Centre for Nonproliferation Studies, an NGO in California, had identified 120 silos being built in Yumen, in the desert of Gansu, a neighbouring province. Both outfits found the sites by poring over satellite imagery from Planet, an American firm."



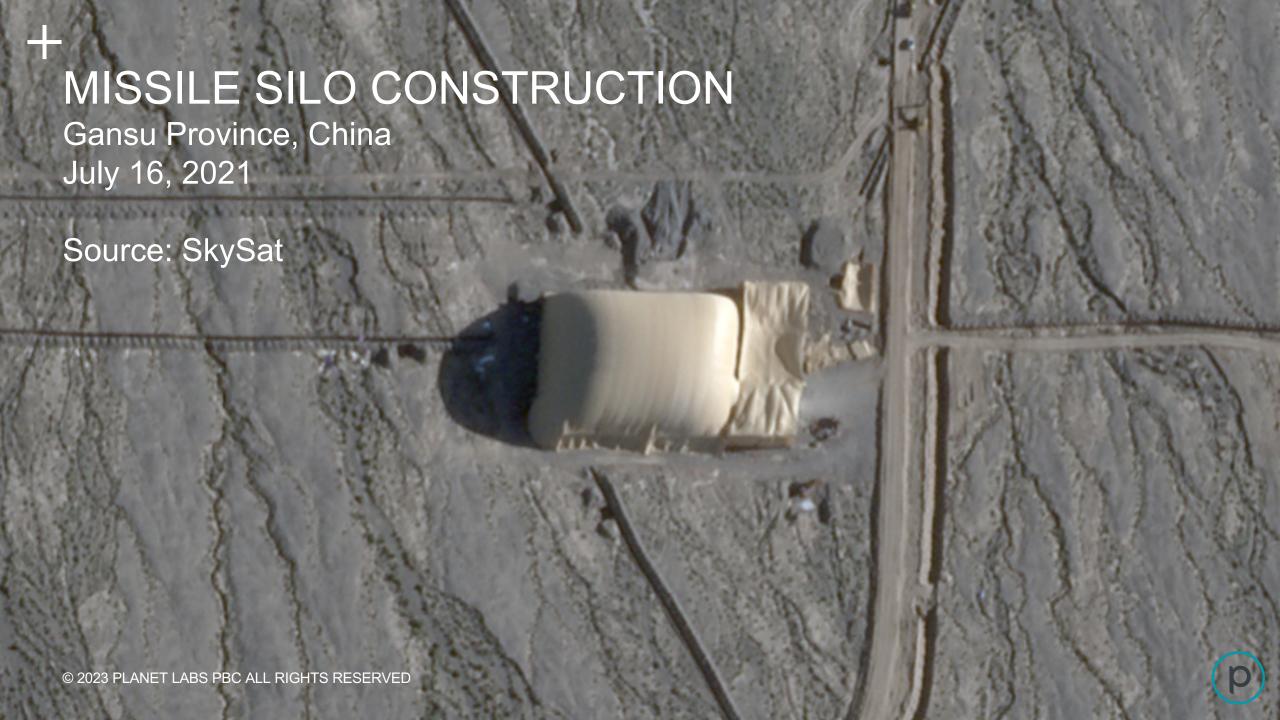
Commercial satellites — not U.S. intelligence — revealed China's missile program





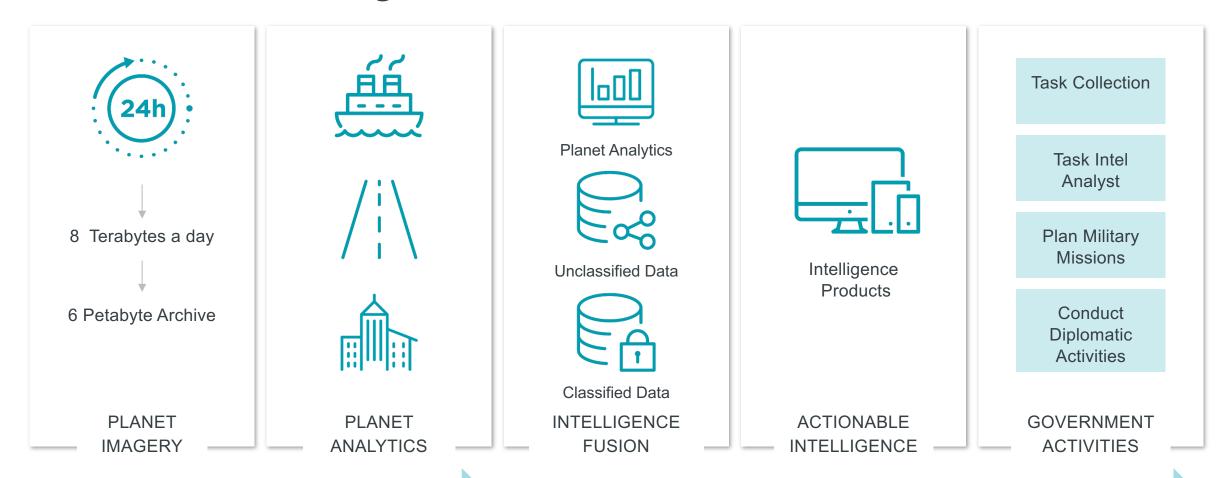








Defense & Intelligence Value Chain



Planet Products

Defense and Intelligence Functions

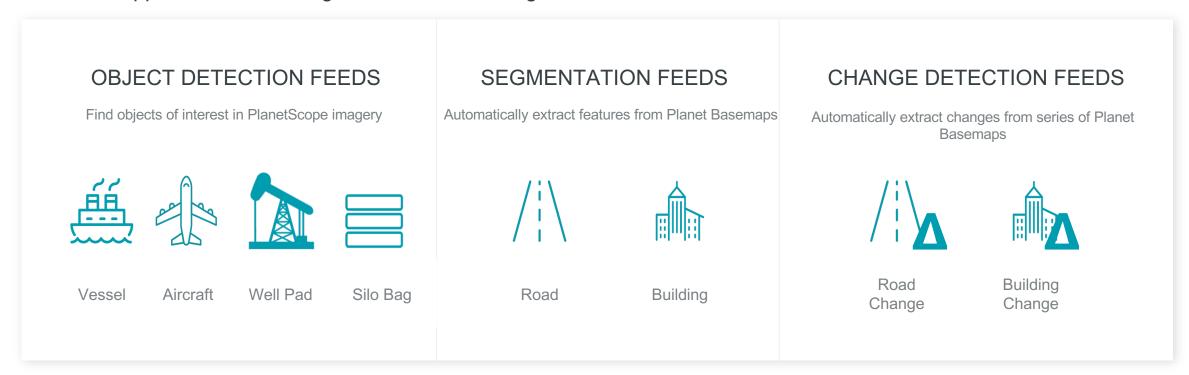




Planet Analytic Feeds

Speed your time to insights

Improve your team's productivity by leveraging computer vision techniques to run analytics at scale, and see a broader view of land-classification types and new objects. Detect changes and easily access results through modern APIs, web applications, and integrations for faster insights.

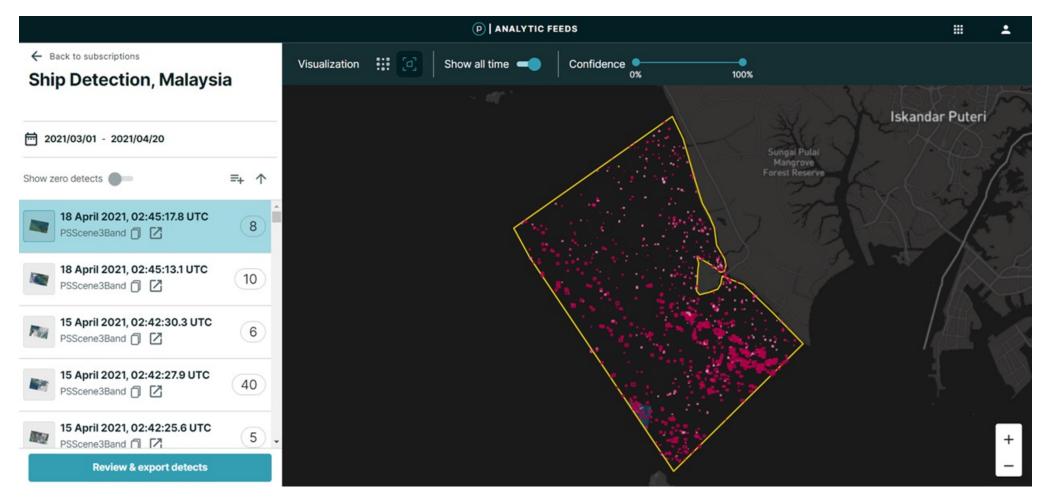






Ship Detection Feed Viewer

www.planet.com/feeds





Planetscope 3m

APRIL 1, 2018

Ship detections spot a navy exercise by China's People's Liberation Army Navy just south of Hainan, China.



Future Mission





VISIBLE

High Revisit, High Res Data

Meet Pelican



Planet's next-generation satellite constellation for delivering high-resolution, rapid revisit information – anywhere on the globe.

RESPONSIVE • RAPID REVISIT • HIGHLY PRECISE • INTEROPERABLE

EXPANSIVE COVERAGE

GREATER PRECISION

MORE CAPTURES

UP TO

HIGHER DAILY REVISITS

Approximately

UP TO

30

satellites1

30

30

30

resolution captu

captures per day

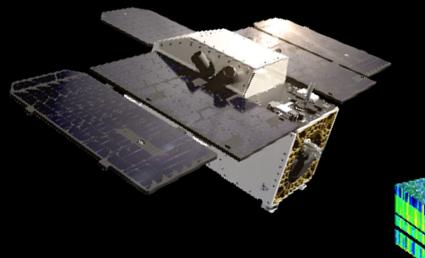
minute revisit time

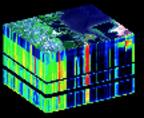




VISIBLE

High Precision Hyperspectral Data Brought to you by Tanager





Hyperspectral imaging captures the unseen, revealing valuable information that enables improved modeling, reduced uncertainty, and better, more efficient decision making.









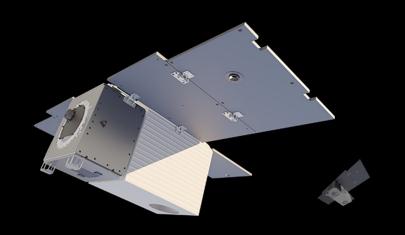


- CROP DIFFERENTIATION BIODIVERSITY TRACKING
- METHANE MONITORING MATERIALS IDENTIFICATION
- ENVIRONMENTAL SITE ASSESSMENT
- SOIL CHARACTERISTICS
 AND MANY MORE



Tanager

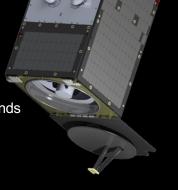
- 400 2500 nm
- ~400 5nm bands



SkySat

50 CM TASKING

- 50cm resolution
- RGB, NIR, and Pan bands
- Sub-daily tasking



PLANET IS

Agile Aerospace



Pelican

VERY HIGH-RESOLUTION RAPID REVISIT

- 30cm resolution
- Pan + 6 RGB+NIR bands
- Up to 30 revisits/day

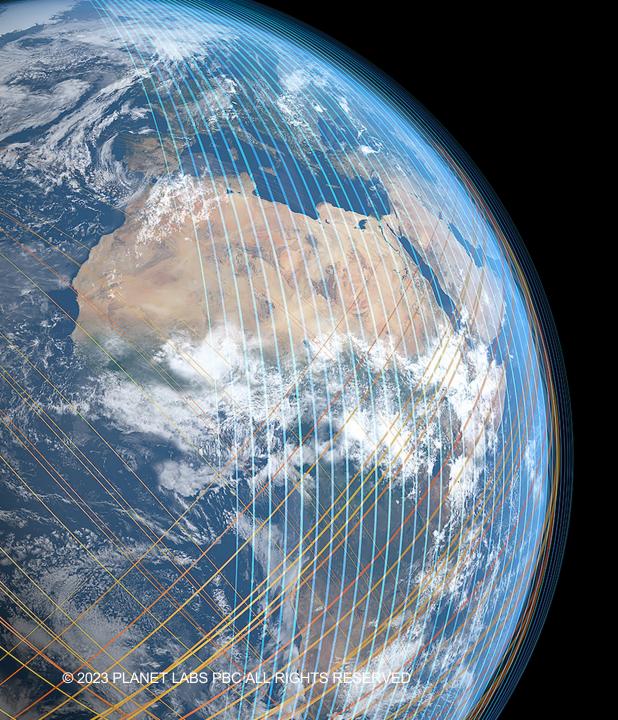
Automated Mission Control

Planetary Scale **Processing Pipeline**

SuperDove 3-5 M MONITORING

- ~180 satellites
- Up to 300 million km2 / day
- 8-spectral bands

PROPRIETARY AND CONFIDENTIAL - DO NOT SHARE



Thank You.

For more information, you may find us here:















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