



DEFENSE & INTELLIGENCE

DAILY, GLOBAL SITUATIONAL AWARENESS

Planet's solutions for the Defense and Intelligence sector offer unique capabilities, such as always-on monitoring with rapid tasking to provide visibility into global events at the speed they develop. Combined with machine learning-based imagery analytics, these capabilities enable the GEOINT sector to identify and act on activity-based signals, previously difficult to discern.



High frequency, global coverage



Rapid hi-resolution tasking



Automated feature extraction & classification



Easy access & integration

CONSTELLATION OVERVIEW

PlanetScope

Always-on, daily monitoring

- Provides daily global data
- 3 m resolution – RGB and NIR bands
- Delivery within 24 hrs
- Archive since 2009
- Maritime areas of interest available

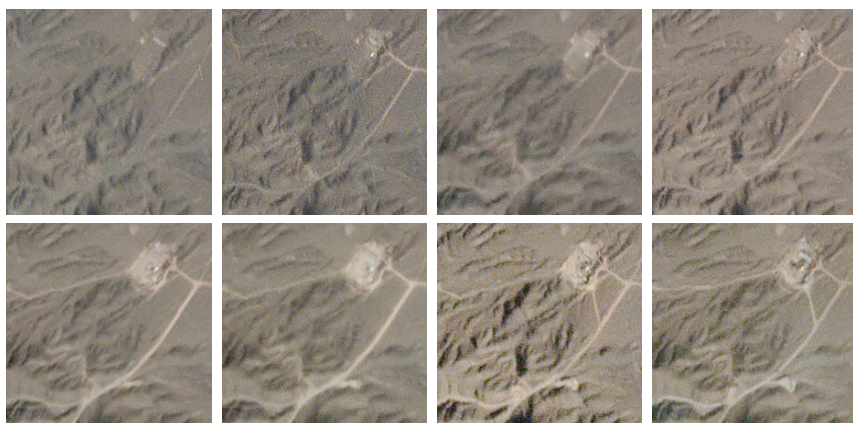


SkySat

Rapid, flexible tasking

- Captures certain areas, up to 10x daily
- 50 cm resolution – RGB, NIR, and Pan bands
- Publication within 8 hours
- Archive since 2014
- Video, stereo, and basemaps available

New: Constellation Services available for priority tasking and dedicated capacity



PlanetScope September 7, 2020 - November 16, 2020 (series left)
Early signs of construction work detected at the nuclear facility in Natanz, Iran.



SkySat December 1, 2020 (right)
High-resolution imagery confirms new construction area left of Natanz.

PLANET ANALYTICS

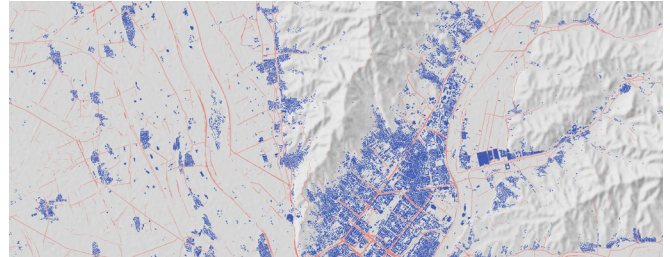
To complement traditional analysis, Planet Analytic Feeds leverage machine learning and computer vision techniques to automatically extract relevant objects and land-classification features from Planet imagery. Improve your analysts' productivity through running analytics at scale to see a broader area faster, as soon as new imagery is available.

IMAGE SEGMENTATION

Detect when new infrastructure appears, or known infrastructure is no longer present.



Roads



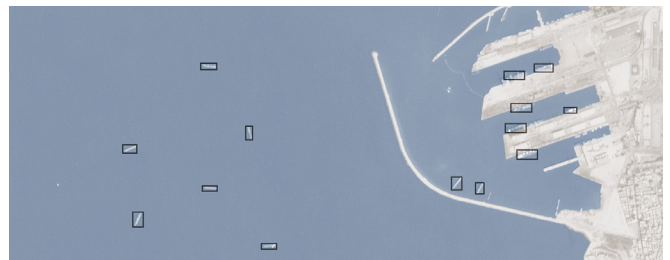
Buildings

OBJECT DETECTION

Observe patterns of life, monitor for abnormalities, and inform activity-based assessments.



Aircraft Detection



In-Port Vessel Detection

PLANET PLATFORM

Fast, intuitive, and highly scalable, the Planet Platform is designed to make satellite imagery exceptionally easy to access, analyze, and integrate into existing workflows.



Fully automated imagery processing for the delivery of analysis-ready data



Cloud-based access, speed, and scale to manage data online



APIs and browser-based tools to extract and integrate the information you need

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