PLANET ANALYTIC FEEDS

Identify. Detect. Analyze.

Many companies that leverage satellite imagery are overwhelmed by the volume of data, which delays relevant insights. Meanwhile, most of the imagery is outdated by the time it's received, provides an incomplete dataset, and can't power timely, data-driven decisions.

Planet Analytic Feeds leverage machine learning and computer vision techniques to extract critical objects and features from Planet imagery, providing customers with deeper insights at a higher frequency. Available for geospatial analysis in GeoJSON and GeoTIFF format as well as time series analysis as a summary csv.

ROAD DETECTION

Upgrade your workflows with monthly road layers at scale, empowering you to update maps, track road development, and improve routing of resources.

BUILDING DETECTION

Get monthly building detections at scale, empowering you to update maps, track construction, and monitor land use and enforce permitting.

AUTOMATED ROAD AND BUILDING CHANGE DETECTION

See where new roads are being built, and areas where there is new building construction. Derive actionable insights to deploy resources where they are needed most.

VESSEL DETECTION

Enhance maritime datasets with daily vessel detection in ports and coastal areas. Observe patterns of life, detect illegal activities, and quantify economic activity.

AIRCRAFT DETECTION

Observe arrival and departure of aircraft on a daily basis. Monitor patterns of life, detect unusual behavior, and quantify movement of planes.

WELL PAD DETECTION

Monitor oil and gas development across basins with monthly or weekly well pad detections. Track construction, get land acquisition insights, and streamline operations.

SILO BAG DETECTION

Get reliable signal of grain production via monthly silo bag detections. Understand supply, mitigate risk, and predict when shortages and gluts may occur.

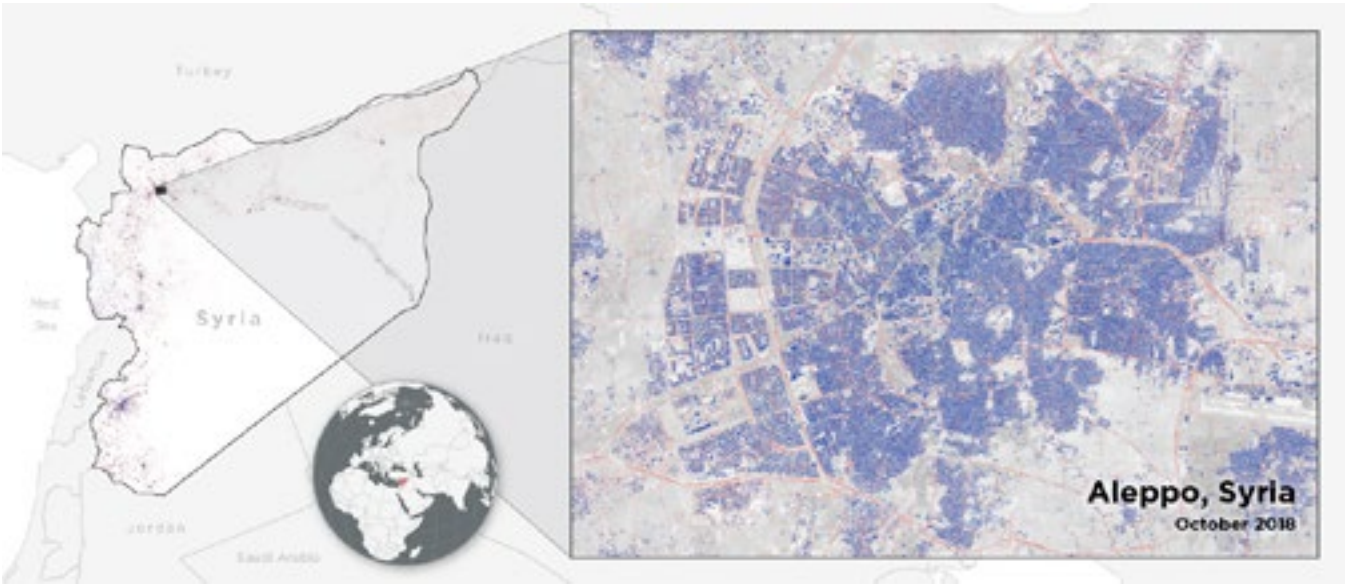
CUSTOM MODEL DEVELOPMENT

Don't see what you need listed here? Our Professional Services team can work with you to develop a land classification model that extracts the features you are looking for.

INSIGHTS AT GLOBAL SCALE

Planet Analytic Feeds can be applied to Planet imagery across the entire globe, from a continent of interest, to national, or city-wide level.

Global scale means you can get features, object detections, and temporal changes off-the-shelf, and globally-available custom builds.



Aleppo, Syria at country-wide and regional level • October 2018

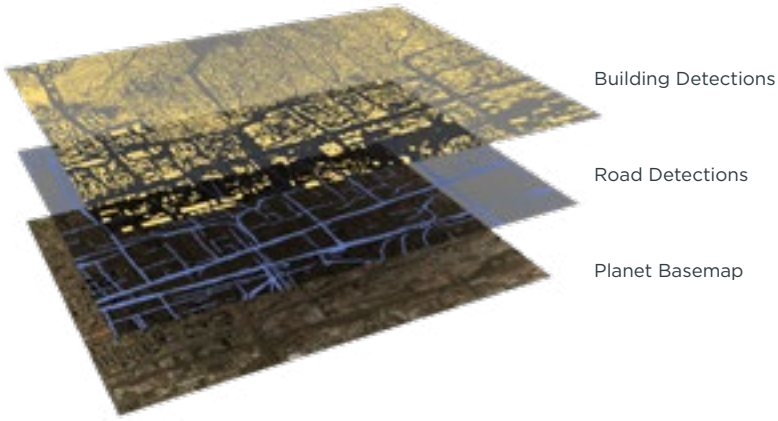
BENEFITS

Automated Change Detection
Get the earliest signal of new Roads and Buildings

Mitigate risk
Broad-scale coverage & frequent updates boosts awareness

Establish trends
Leverage historical data to understand baselines

Accelerate decision-making
Complement existing datasets and act faster



PLANET ANALYTIC FEEDS

Transforming imagery into insights.

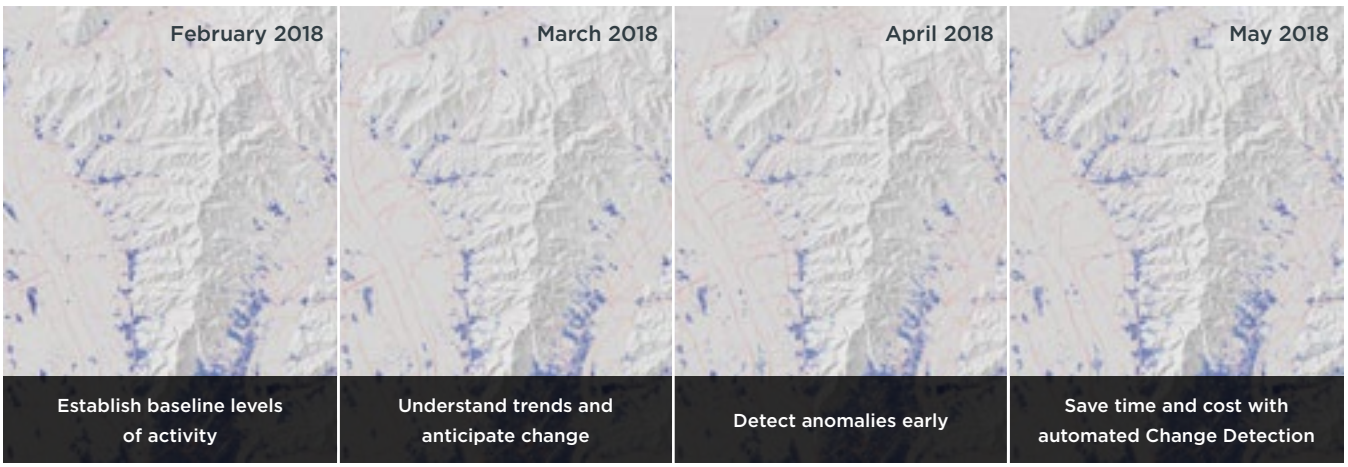
ROAD DETECTION

Feature	Roads
Model	Semantic Segmentation

Imagery	Planet Basemap
Analytic Output	Raster GEOTIFF
Statistical Output	Area of Roads (sq meters)

Refresh	Monthly
Delivery	Analytics API Web Map Tile Service Analytic Feeds Viewer

BUILDING DETECTION



Feature	Buildings
Model	Semantic segmentation

Imagery	Planet Basemap
Analytic Output	Raster GEOTIFF
Statistical Output	Area of Buildings (sq meters)

Refresh	Monthly
Delivery	Analytics API Web Map Tile Service Analytic Feeds Viewer

VESSEL DETECTION

Feature	Vessels
Model	Object Detection

Imagery	PlanetScope Imagery
Analytic Output	GeoJSON Feature Collection
Statistical Output	Count of Vessels

Refresh	Daily
Delivery	Analytics API Analytic Feeds Viewer
Scale	Global ports and coastlines

AIRCRAFT DETECTION

Object	Aircraft
Model	Object Detection

Imagery	PlanetScope imagery
Analytic Output	GeoJSON Feature Collection
Statistical Output	Count of Aircraft

Refresh	Daily
Delivery	Analytics API Analytic Feeds Viewer
Scale	Airports and airfields globally

WELL PAD DETECTION

Object	Well pads
Model	Object Detection

Imagery	PlanetScope imagery
Analytic Output	Raster GEOTIFF
Statistical Output	Count of Well Pads

Refresh	Monthly; weekly
Delivery	Analytics API Analytic Feeds Viewer
Scale	Permian Basin

SILO BAG DETECTION

Object	Silo Bags
Model	Object Detection

Imagery	Planet Basemap
Analytic Output	Raster GEOTIFF
Statistical Output	Count of Silo Bags

Refresh	Monthly or bimonthly
Delivery	Analytics API Analytic Feeds Viewer
Scale	Argentina

LET'S TALK

Contact Us

Learn how Planet Analytic Feeds can help you turn data into actionable insights

go.planet.com/getintouch

We're Here to Help

Get answers to technical questions about Analytic Feeds

support@planet.com

Learn More

planet.com/products/analytics