



# 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 Meanwhile, most of the imagery is outdated by the time it's received, provides an incomplete dataset, and can't power timely, data-driven decisions.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.



## 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.



## 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.

## 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 and object detections off-the-shelf, no custom builds required.



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

## BENEFITS

### Establish trends

Leverage historical data to understand baselines

### Monitor for anomalies

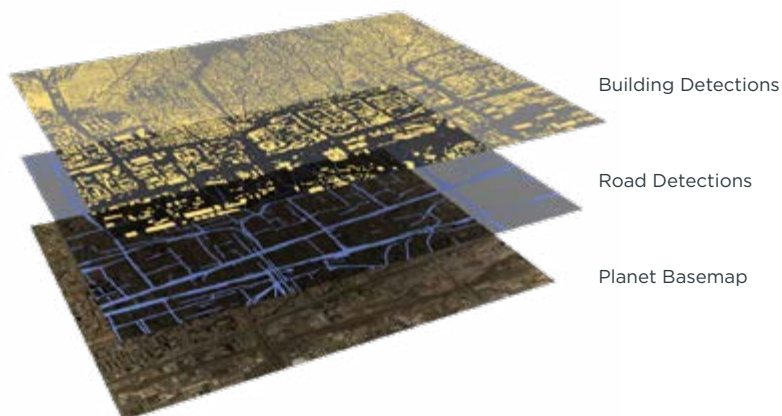
Get the earliest signal for unusual or unexpected activity

### Mitigate risk

Broad-scale coverage & frequent updates boosts awareness

### Accelerate decision-making

Complement existing datasets and act faster



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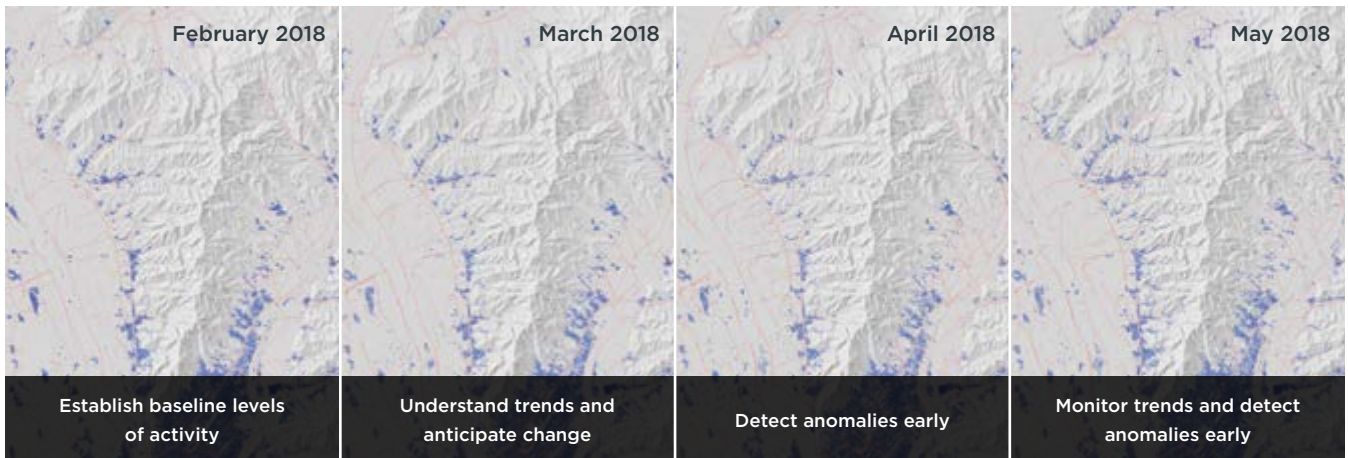
Transforming imagery into insights.

## ROAD DETECTION



<b>Feature</b>	Roads	<b>Imagery</b>	Planet Basemap	<b>Refresh</b>	Monthly
<b>Model</b>	Semantic Segmentation	<b>Analytic Output</b>	Raster GEOTIFF	<b>Delivery</b>	Analytics API Web Map Tile Service

## BUILDING DETECTION



<b>Feature</b>	Buildings	<b>Imagery</b>	Planet Basemap	<b>Refresh</b>	Monthly
<b>Model</b>	Semantic segmentation	<b>Analytic Output</b>	Raster GEOTIFF	<b>Delivery</b>	Analytics API Web Map Tile Service Web-based Viewer

## VESSEL DETECTION



<b>Feature</b>	Vessels	<b>Imagery</b>	PlanetScope Imagery	<b>Refresh</b>	Daily
<b>Model</b>	Object Detection	<b>Analytic Output</b>	GeoJSON Feature Collection	<b>Delivery</b>	Analytics API Web-based Viewer
				<b>Scale</b>	Global ports and coastlines

## AIRCRAFT DETECTION



<b>Object</b>	Aircraft	<b>Imagery</b>	PlanetScope imagery	<b>Refresh</b>	Daily
<b>Model</b>	Object Detection	<b>Analytic Output</b>	GeoJSON Feature Collection	<b>Delivery</b>	Analytics API Web-based Viewer
				<b>Scale</b>	Airports and airfields globally

## WELL PAD DETECTION



<b>Object</b>	Well pads	<b>Imagery</b>	PlanetScope imagery	<b>Refresh</b>	Monthly; weekly
<b>Model</b>	Object Detection	<b>Analytic Output</b>	Raster GEOTIFF	<b>Delivery</b>	Analytics API Web-based Viewer
				<b>Scale</b>	Permian Basin

## SILO BAG DETECTION



<b>Object</b>	Silo Bags	<b>Imagery</b>	Planet Basemap	<b>Refresh</b>	Monthly or bimonthly
<b>Model</b>	Object Detection	<b>Analytic Output</b>	Raster GEOTIFF	<b>Delivery</b>	Analytics API Web-based Viewer
				<b>Scale</b>	Argentina

## LET'S TALK

### Contact Us

Learn how Planet Analytic Feeds can help you turn data into actionable insights  
[go.planet.com/getintouch](https://go.planet.com/getintouch)

### We're Here to Help

Get answers to technical questions about Analytic Feeds  
[sales@planet.com](mailto:sales@planet.com)

### Learn More

[planet.com/products/analytics](https://planet.com/products/analytics)