PLANET ANALYTICS: ROAD DETECTION
Identify. Detect. Analyze.

Organizations require fresh insights about roads as they emerge. But manual analysis of imagery, in particular outdated imagery, is often too time-consuming and leads to decisions made with incomplete and inaccurate information.

Planet Analytics: Road Detection delivers the most consistently updated road detection layers at scale, so that organizations can respond with confidence. Powered by computer vision, Road Detection extracts roads from Planet's 4.7 m basemaps on a monthly basis and easily integrates into your workflow.

BENEFITS

Faster decision cycle

Reduces the time it takes to identify and confirm road and infrastructure change, helping you achieve more business objectives.
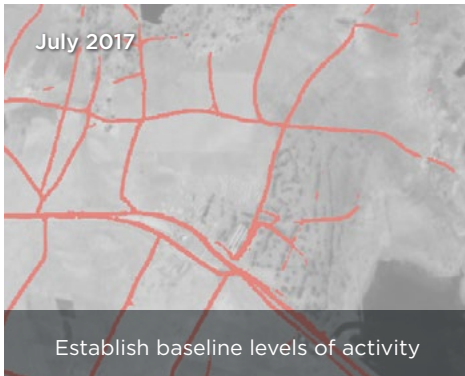
Fresh insights

Road detections are delivered every 30 days, so decisions aren't made based on old data.

Situational awareness at scale

Planet's global imagery means you get insights across broad geographies as well as multiple locations of interest.
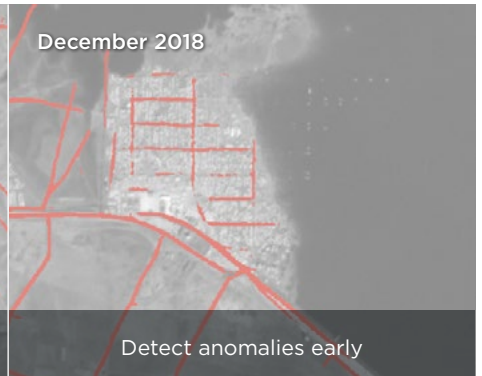
July 2017

Establish baseline levels of activity

October 2017

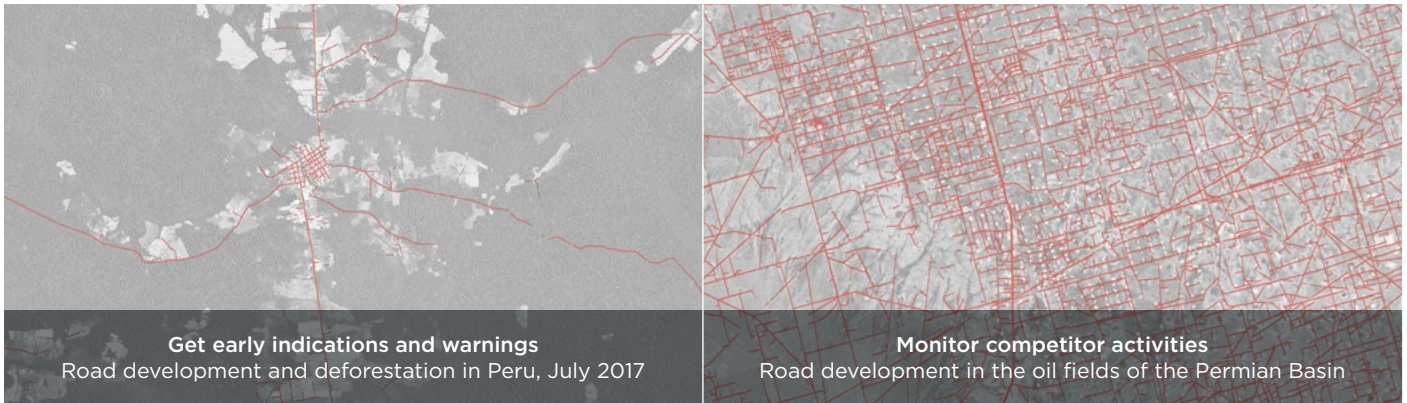Understand trends and anticipate change

December 2018

Detect anomalies early

IDP camp in Syria

DIVERSE USE CASES

Get early indications and warnings
Road development and deforestation in Peru, July 2017

Monitor competitor activities
Road development in the oil fields of the Permian Basin

GLOBAL SCALE

Planet Analytics: Road Detection can be applied globally and tailored to your areas of interest, from the continent, to national, to city-wide level, where cloud-free Basemaps are available. Reach out to our team below to learn what is possible for your areas of interest.

Aleppo, Syria
October 2018

HOW IT WORKS

We leverage Planet Basemaps and confine it to your specific area of interest (AOI). The daily revisit rate of our satellites means we can create broad-area mosaics with minimal cloud cover on a monthly basis.

Planet Analytics uses computer vision techniques to perform advanced imagery analysis on Planet Basemaps over the specific area of interest (AOI) and extract specific features or objects.

The resulting analytic layers are delivered to the customer via Planet's Analytics API and available for download as GeoTIFF. Also available via WMTS protocol for easy integration into GIS tools.

LET'S TALK

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