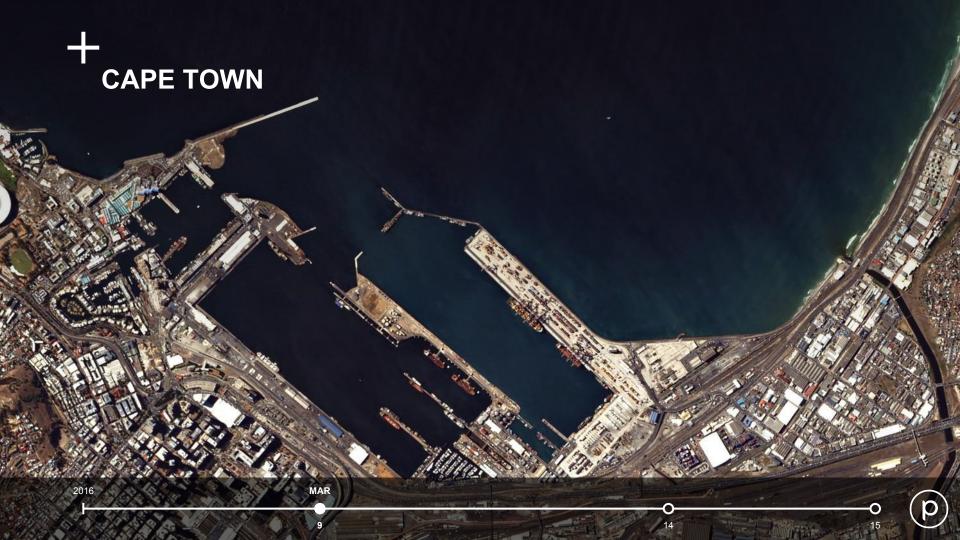
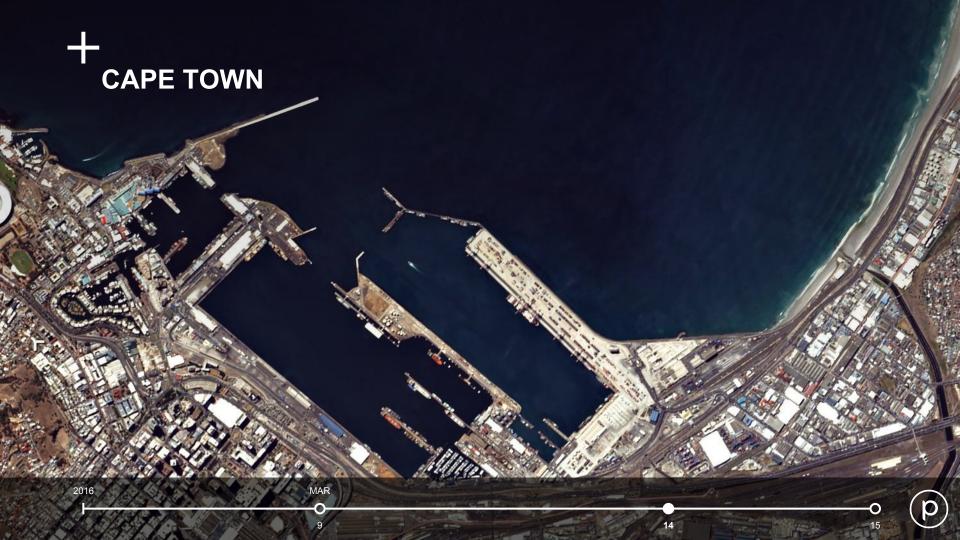


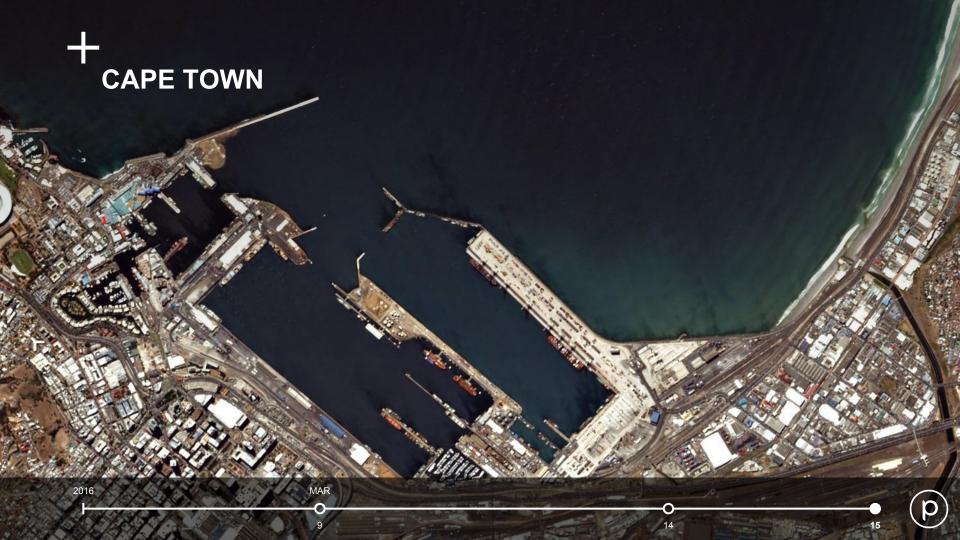


To image the whole world every day, making change visible, accessible and actionable.















## **END-TO-END SYSTEM**











150

Satellites

475KM

Sun Synchronous Orbit **25** 

**Ground stations** 

9

Sites

1000s

of Virtual Machines

7TB

Downlinked Daily

**API & GUI** 

Planet Explorer, Developer Tools and Third-party Applications

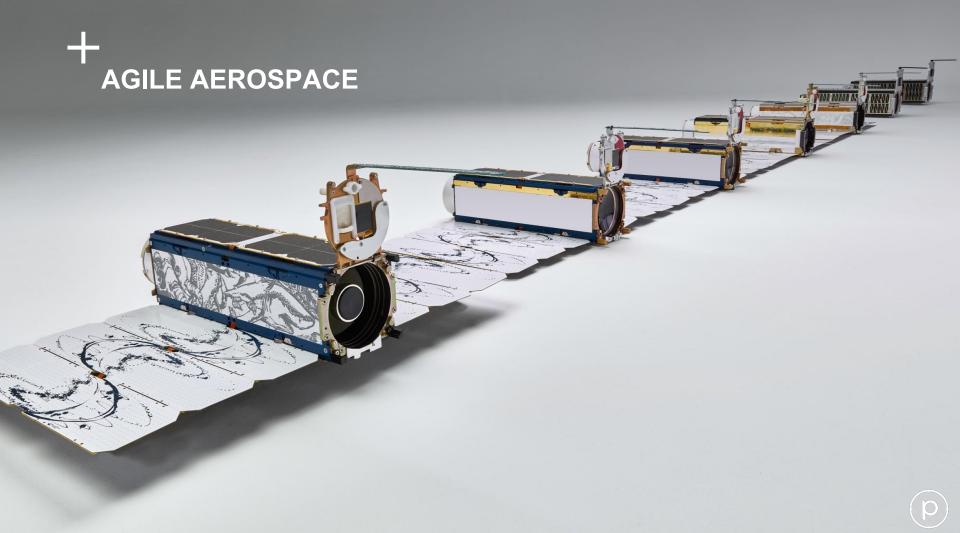




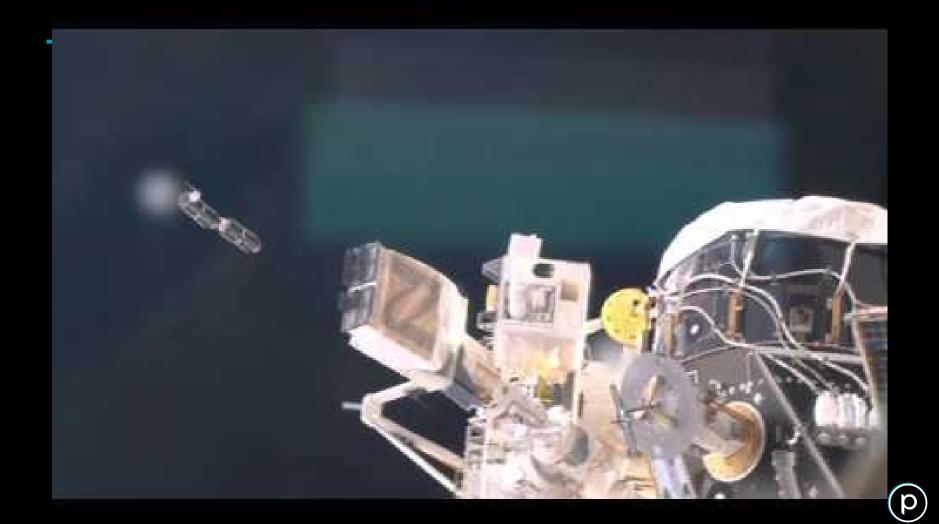
# Planet is 5 companies in one

- 1. Satellite design and manufacturing
- 2. Ground stations
- 3. Mission control
- 4. Image processing
- 5. Software













# PSLV-C37 CARTOSAT 2 S MISSION

#### ONBOARD CAMERA

# NANO SATELLITES P+ SIDE SEPARATION.





@dovesinspace

We are in space.

Space

S planet.com

Joined July 2015



Doves in space @dovesinspace · Jul 14

I'm in space now! Satellite Flock 2k Satellite 33 reporting for duty.









Doves in space @dovesinspace · Jul 14 I'm in space now! Satellite Flock 2k Satellite 30 reporting for duty.







# ON BOARD SOFTWARE



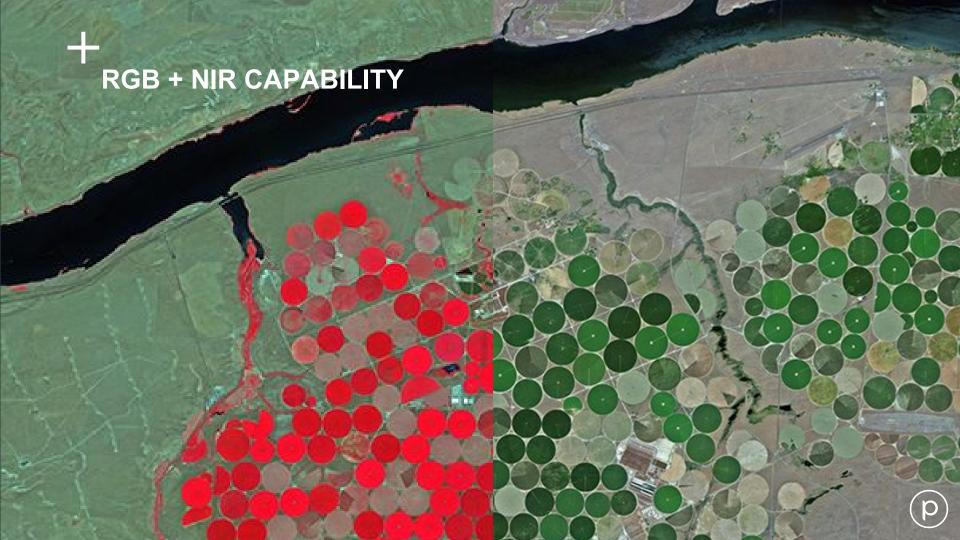




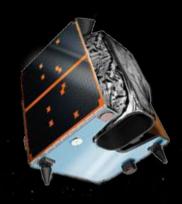




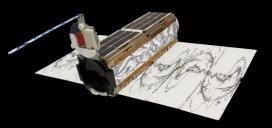




# 十 PLANET'S CONSTELLATIONS

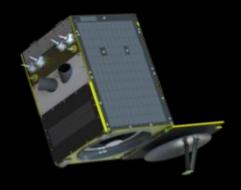


5 RapidEye Satellites



140+

PlanetScope Build 13 Satellites



SkySat

6 More to be launched in 2017





## **IMAGE PROCESSING**

100m individual images in RGB from doves ~40m RE Images

- Flatfield Correction
- Radiometric Calibration
- Orthorectification
- Colour Correction
- Publication





Planet Explorer



Third Party Applications



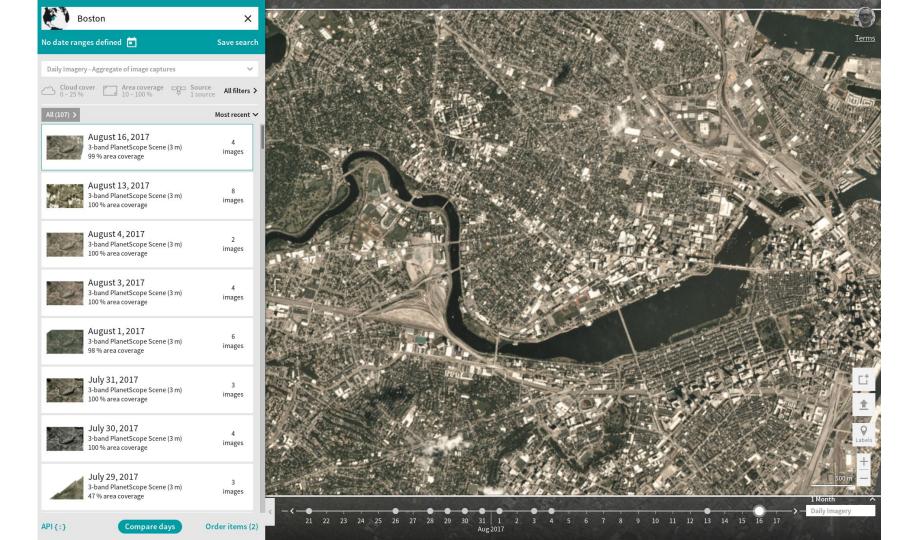


Reference application: Planet Explorer Delivery via API

- Search
- Preview
- Download

API responses are GeoJSON & imagery via GeoTIFF







# **PLANET IMAGERY**

13-Band, Multispectral & SWIR 10m-60m

#### **SENTINEL-2**

11-Band, Multispectral, & Thermal IR 15m-30m (100m)

#### **LANDSAT** 8

4-Band RGB & NIR 3.5m

#### **PLANETSCOPE**

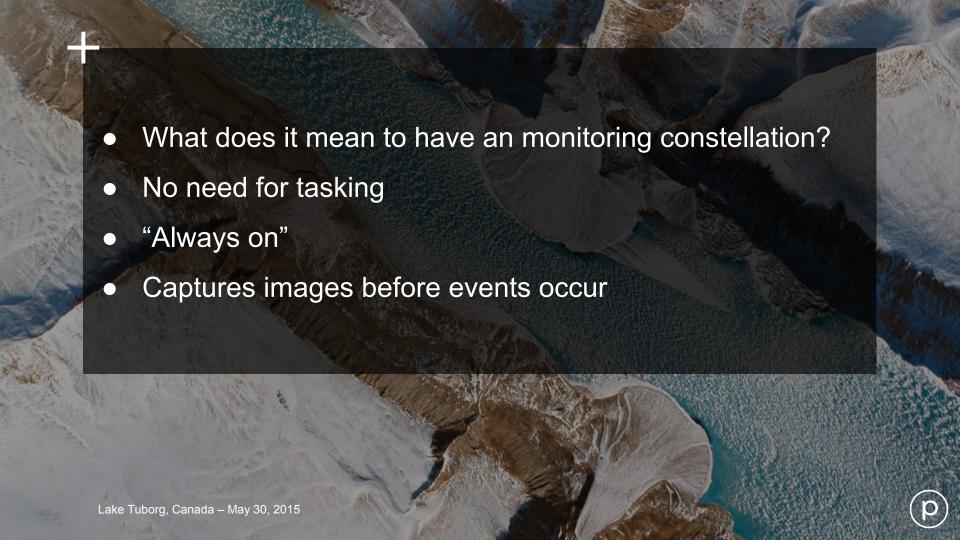
4-Band RGB & NIR .78m-2.07m

#### **SKYSAT**

5-Band RGB, NIR & Red Edge 6.5m

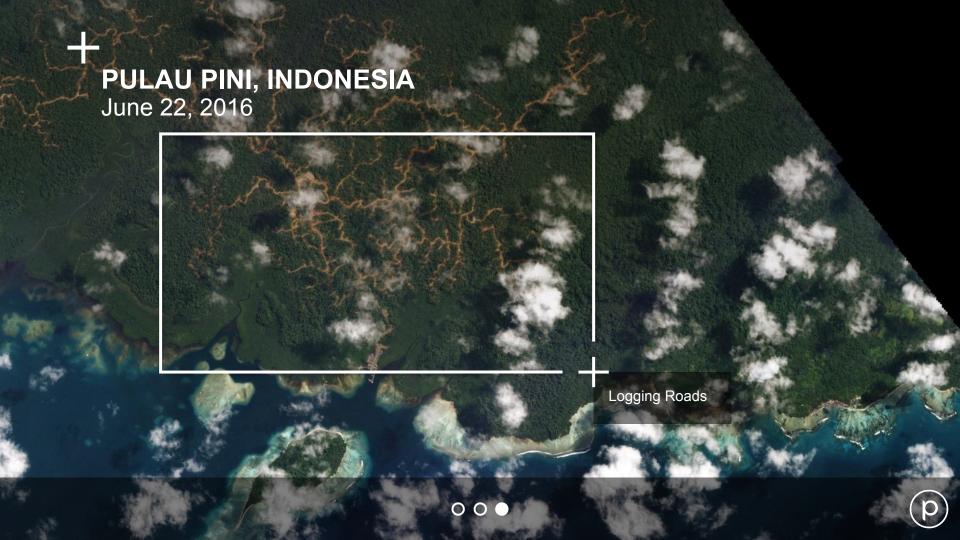
#### **RAPIDEYE**

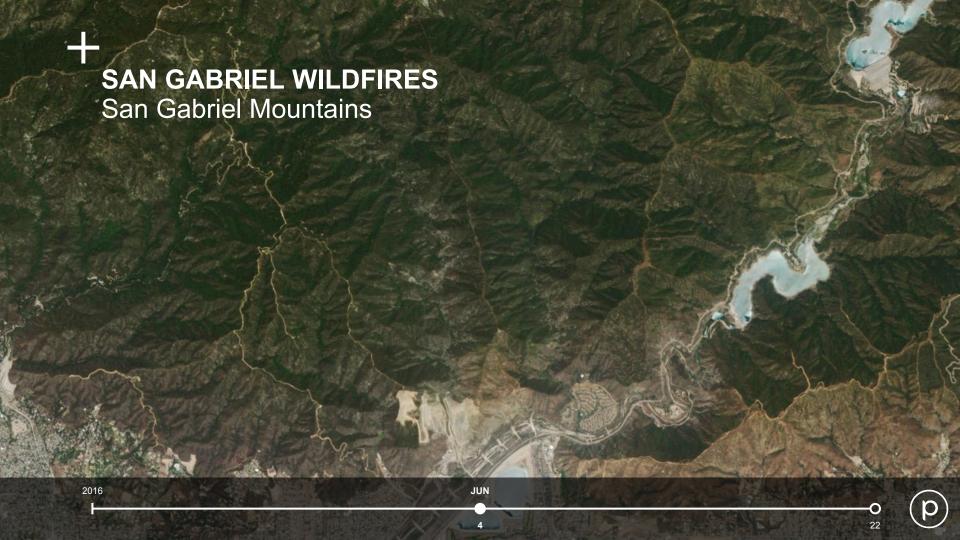




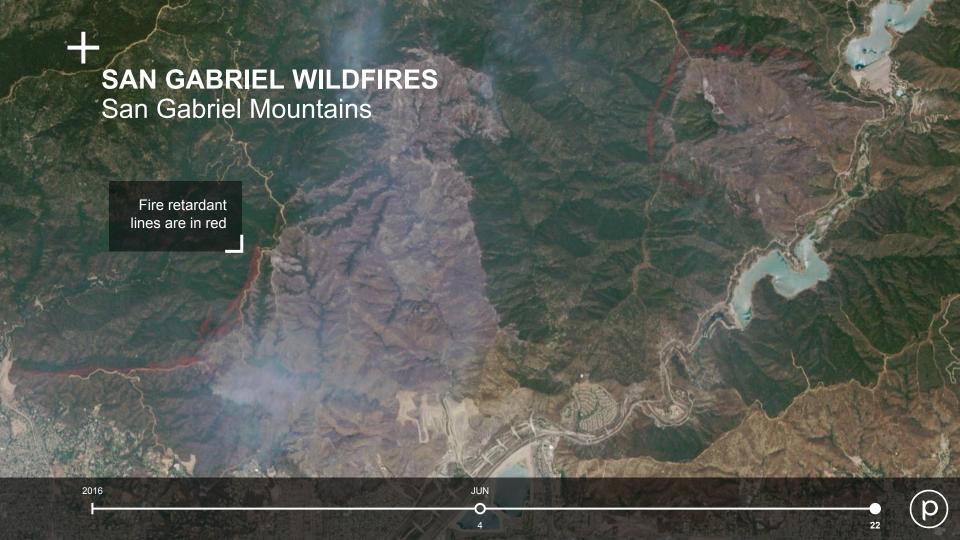




















Full archive of CA imagery available to anyone

- PlanetScope
- RapidEye
- Landsat
- Sentinel

Sign up at: planet.com/explorer

