

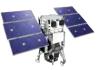
DigitalGlobe has an archive going back to 1999, and continues to collect a large amount of imagery every day



DigitalGlobe is leading the imagery industry with high resolution imagery & geospatial analytics















IKONOS®

.82 meter resolution 1999 - 2015 9 m CE90



.65 meter resolution 2001 - 2015 23 m CE90

WorldView-1®

.50 meter resolution 2007 <4 m CE90

GeoEye-1®

.46 meter resolution 2008 <3.5 m CE90

WorldView-2®

.46 meter resolution 2009 <3.5 m CE90

WorldView-3®

.30 meter resolution 2014 <3.0 m CE90

WorldView-4®

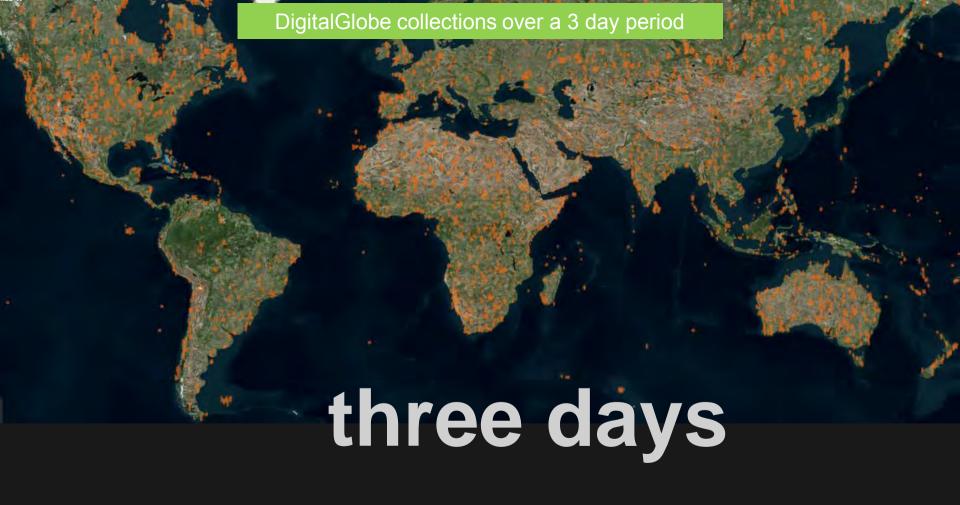
.30 meter resolution 2016 <3.0 m CE90

CURRENTLY IMAGING IN ORBIT

AVAILABLE VIA IMAGERY LIBRARY







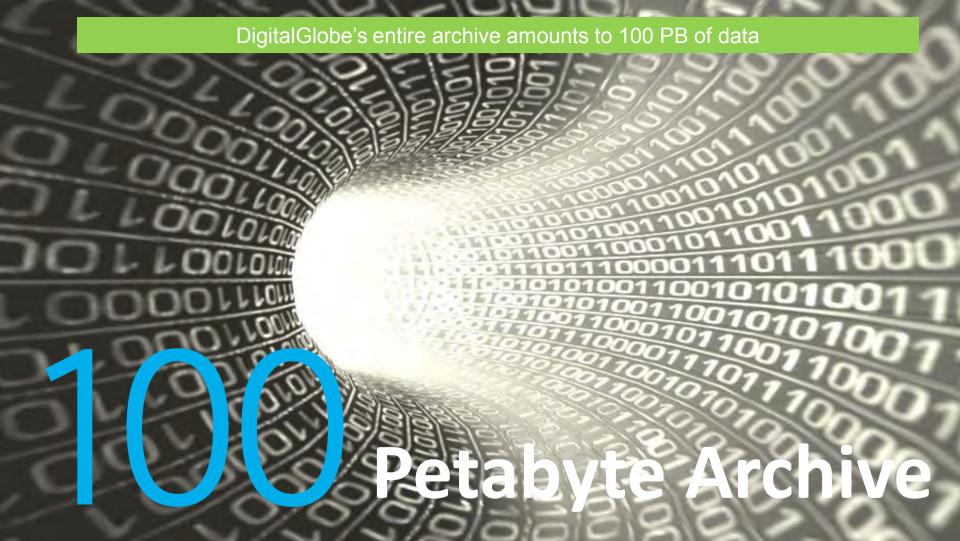




DigitalGlobe collects more than 3.5 million km2 of imagery every day: this is big data

3,500,000 km² collected EVERY DAY 13,200,000,000,000 pixels



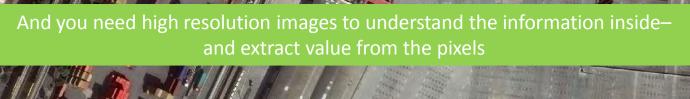


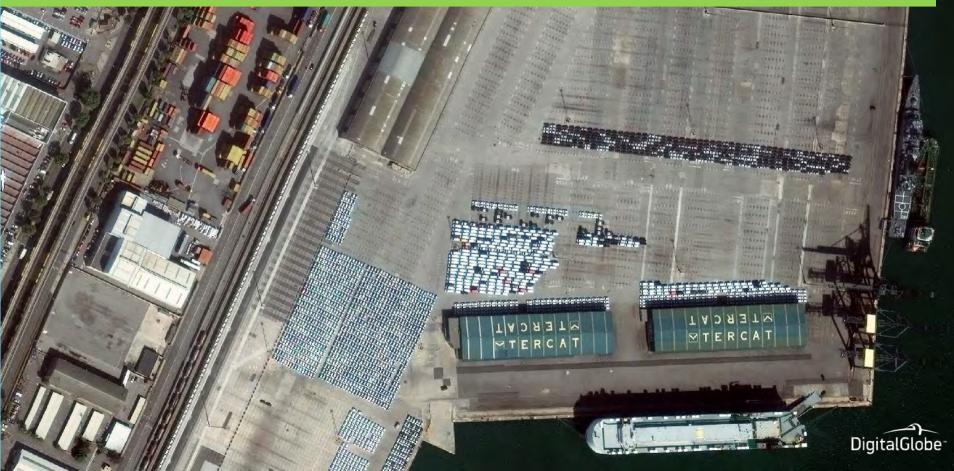
Satellite imagery is more than a pretty picture, it has information and intelligence hidden inside











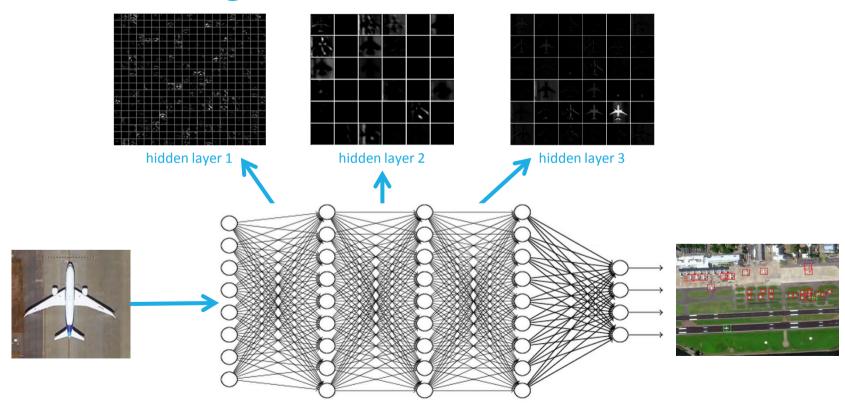


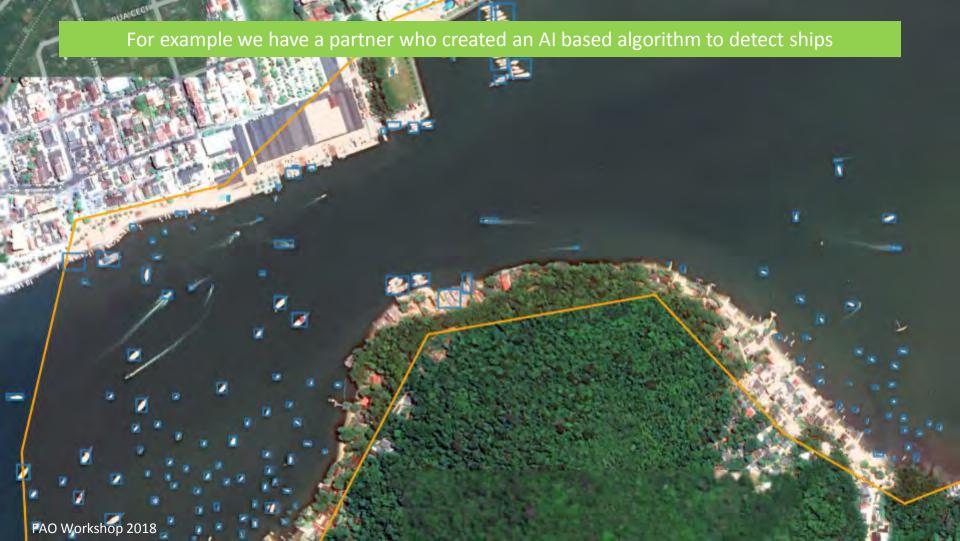
How Do We Get The Information Out?

Al and machine learning algorithms leading the way to creating innovative applications



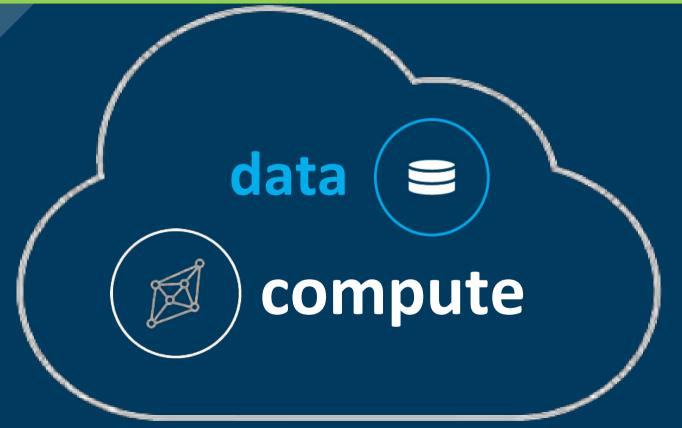
Machine Learning



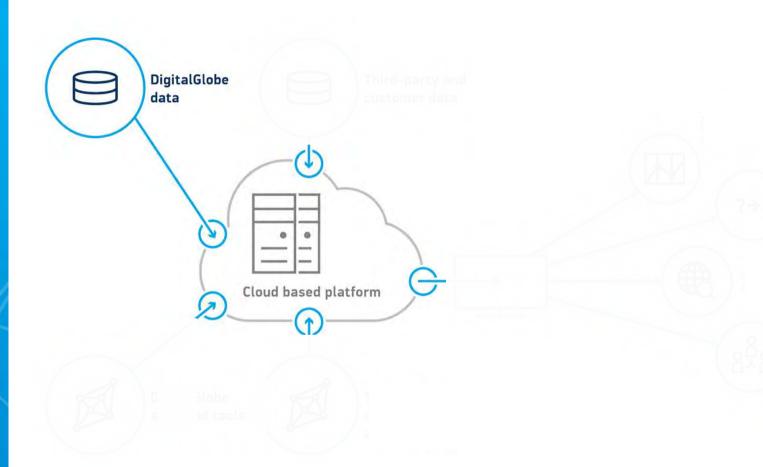


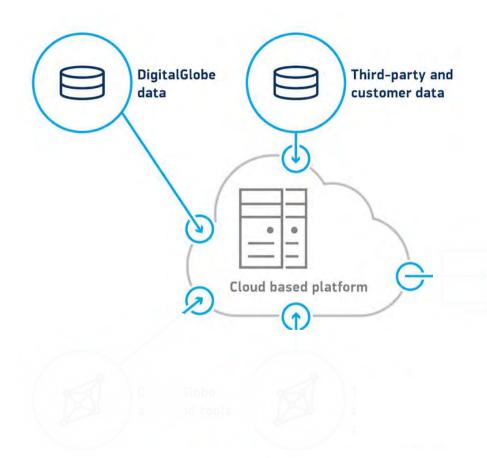


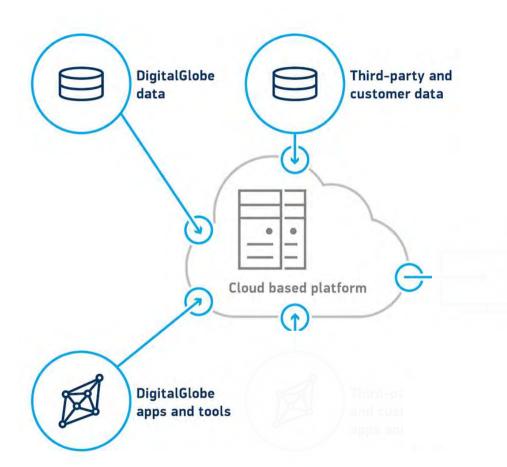
DigitalGlobe has made the investment to team up with Amazon to build a "super computer" in the cloud that can enable easy access to the entire archive, combined with a powerful computing capabilities

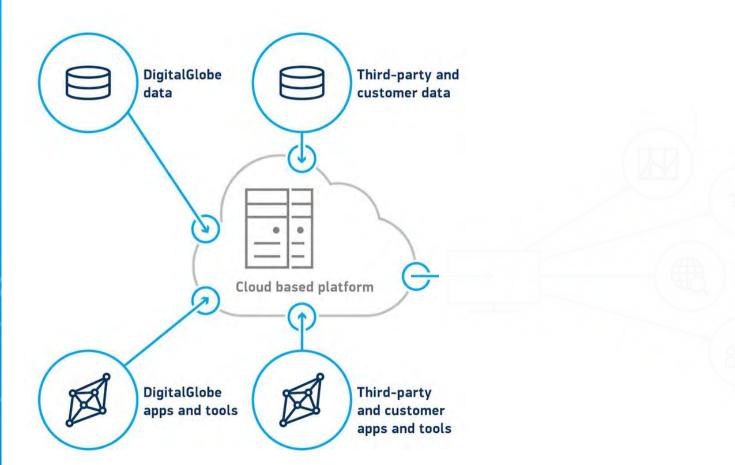


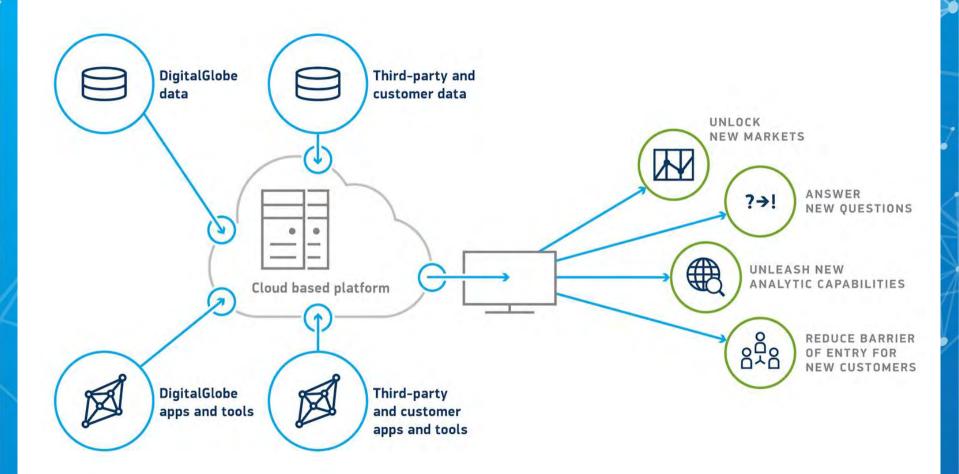












These are the important concepts that allow customers to conduct analysis at scale to delivery new and innovative solutions



Summary of Key Concepts

- Access to DigitalGlobe's entire archive, Landsat, Sentinel, Radarsat, and your own data (aerial, drone, vector).
- Ability to develop your own algorithm for internal use, or for sale to external users to build a revenue share model
- Ability to take advantage of already built algorithms to solve your business problems, or to build new markets
- Pricing is based on how much data you store, and how much computing power you use
- Imagery data is not delivered and licensed. The imagery is only rented out temporarily in the cloud while analysis is conducted, and only analysis results are delivered and licensed to GBDX users.

The value of GBDX is increased by the creation of an ecosystem that combines multiple partner capabilities



GBDX = Ecosystem

GBDX now consists of more than 40 different partners who offer unique advantages

GBDX has a thriving ecosystem













thinktopic













Rhombus

































GBDX enables a broad range of use cases leveraging DigitalGlobe's ecosystem of partners







Information Products



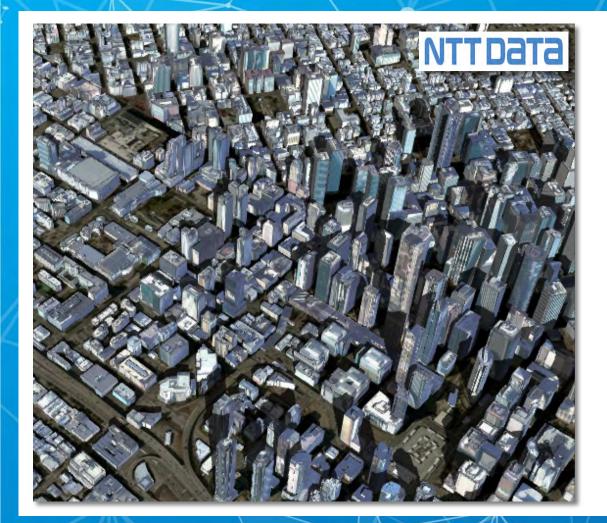


building footprints

detection of features > 3m² 1.25-1.5 million buildings per week









3D information

rapid DSM and DEM production height attribution





Scalable Processes

Aircraft Detection



DigitalGlobe capability

100% automated

Over 1M km² of airfields processed





Ship Detection



Detection of maritime vessels

100% automated

Over 1M km ² of ports processed











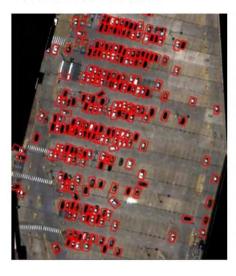




Car Detection









Dynamic object detection

100% automated

Challenges with HVAC units and shadowed streets

Projects performed on border areas, retail areas to estimate foot traffic for stores

Road Density/Probability Estimation



- DigitalGlobe partner CrowdAl specializes in detection of roads from DigitalGlobe imagery
- 100% automated
- Accuracy metrics currently under development
- Detection of road features based on input target areas of interest
- Can scale to meet country scale needs

 effort required in up front training of the system



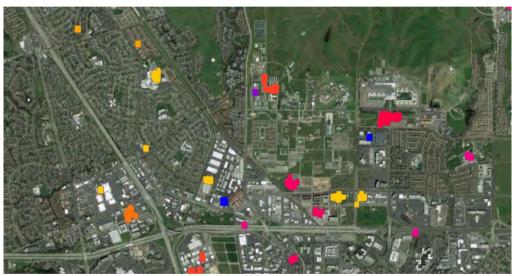




City Scale Change Detection







Detection of change from Radarsat-2 data

100% automated

Highly tailored to target features of interest

Can scale to meet monitoring efforts with a 24 day refresh

Coastline Detection and Extraction





Extraction of coastline polylines

Semi automated

No accuracy metrics developed to date

Recent project: 1TB of imagery collected over 7 years processed to create 1000 km of coastline in 1 week



GBDX

Two Ways to make an API Call

