

Maxar Technologies



The global leader in highresolution optical satellite imagery and information about our changing planet.



The leading commercial provider of communications earth observation and scientific mission spacecraft



Internationally recognized leader in space robotics, satellite antennas and subsystems, surveillance and intelligence systems, defense and maritime systems, and geospatial radar imagery



A highly specialized provider of geospatial data, analytics, software, and services to facilitate insights and intelligence where and when it matters most









.82 meter resolution 9 m CE90



QuickBird®

.65 meter resolution 23 m CE90



WorldView-1®

.50 meter resolution <4 m CE90



GeoEye-1®

.46 meter resolution <3.5 m CE90



WorldView-2®

.46 meter resolution <3.5 m CE90



WorldView-3®

.30 meter resolution <3.0 m CE90



WorldView-4®

.30 meter resolution <3.0 m CE90

CURRENTLY IMAGING IN ORBIT

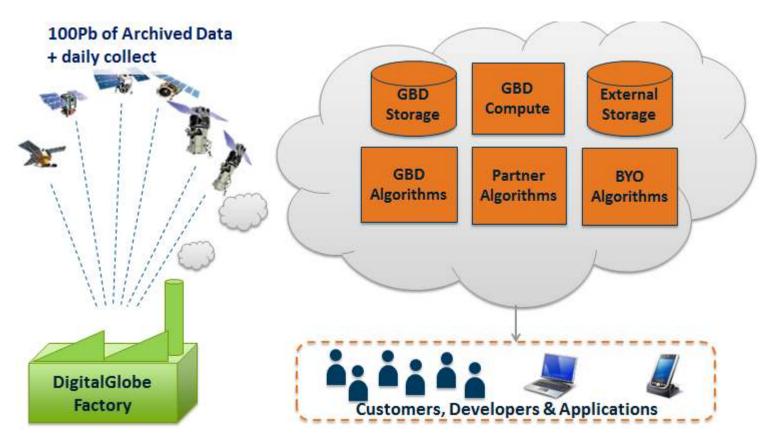
AVAILABLE VIA DIGITALGLOBE ARCHIVE





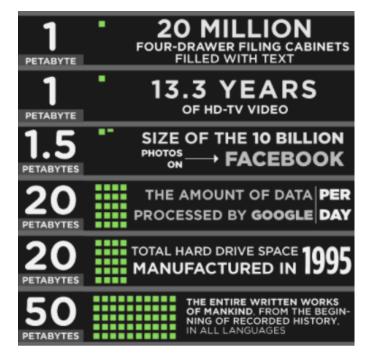






GBDX Platform - 100 Petabytes







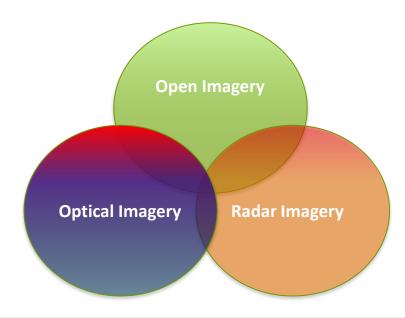


GBDX Platform 3rd Party Content



GBDX Platform includes not only DigitalGlobe's 100 Petabytes archive of high resolution Multispectral data and daily collections but also

- Sentinel 2 archive and daily collections
- Radarsat 2 archive and daily collections









Counting planes at scale





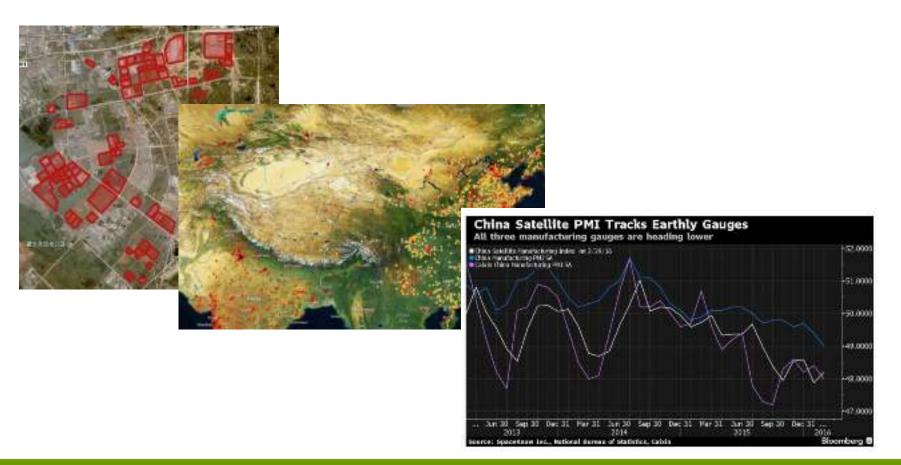
Quantifying Global Oil Consumption



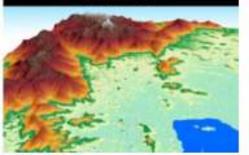


Monitoring Construction Growth at scale

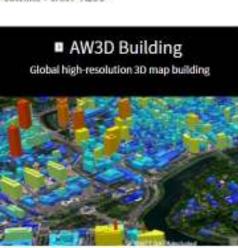




AW3D Standard High-resolution digital 3D map covering the entire global land area



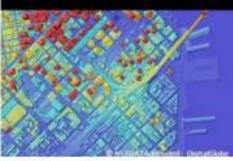
Resolution : 5 m Satellite : JAXA - ALOS



Satellite: DigitalGlobe-WorldVlew

AW3D Enhanced

The highest precision DEM in 0.5m Resolution



Resolution: 0.5 m/1 m / 2 m Satellite: DigitalGlobe - WorldView etc.



Satellite : DigitalGlobe - WorldVlew

AW3D Ortho Imagery

DigitalGlobe

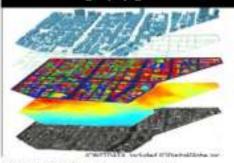
The highest quality orthorectified imagery in the world



Resolution: 30 cm / 40 cm / 50 cm / 60 cm / 2.5 m Satellite: JAXA - ALOS (2.5 m) & DigitalGlobe -WorldVlew (30 cm - 60 cm)

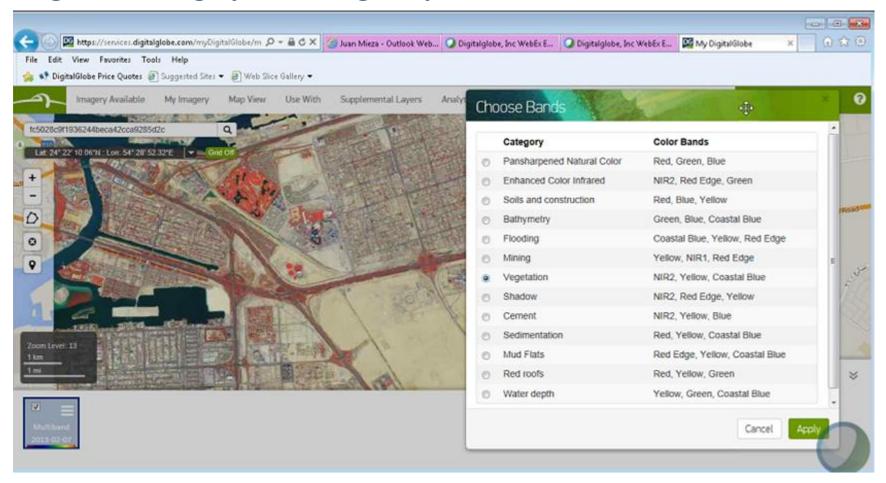
AW3D Telecom

Perfect 3D datasets for any simulation of wireless signal propagation



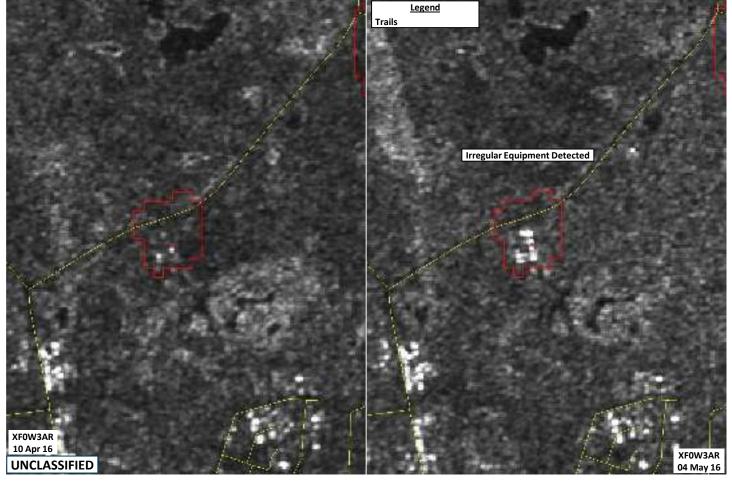
Satellite: DigitalGlobe - WorldVlew etc.

Integrated Image processing outputs at the click of a button













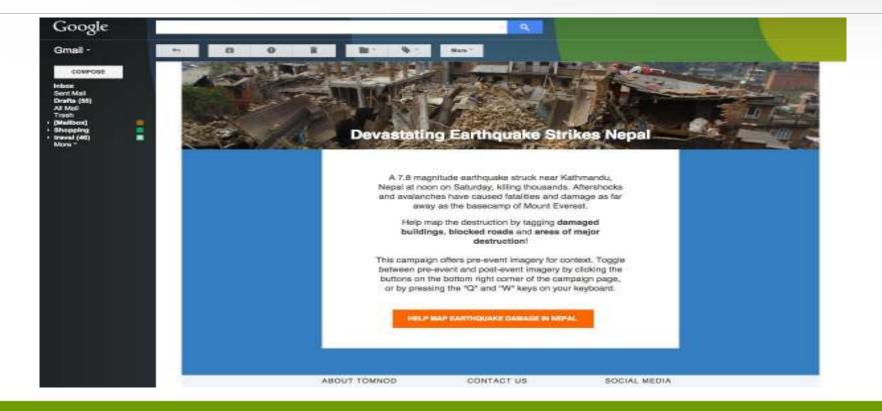
The Power of the Crowd – Nepal Earthquakes April 26-29

www.tomnod.com





Tomnod calls 1M+ people to action via email...

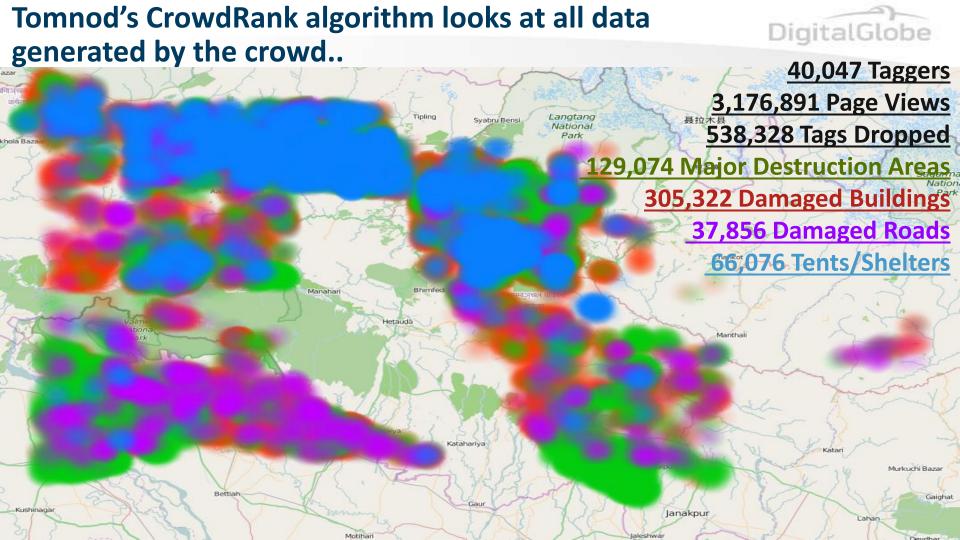




...and 75K+ people via social media (Facebook, Twitter, Youtube)







.. And uses reliability and consensus metrics to cluster tags and create a high-quality dataset. 4,184 Major Destruction Areas 3,997 Damaged Buildings 101 Damaged Roads* 1,788 Tents/Shelters

Examples of Areas with Major Damage







Mapping Building footprints at scale

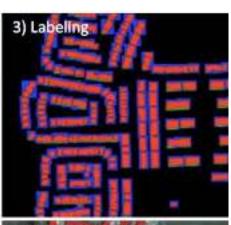






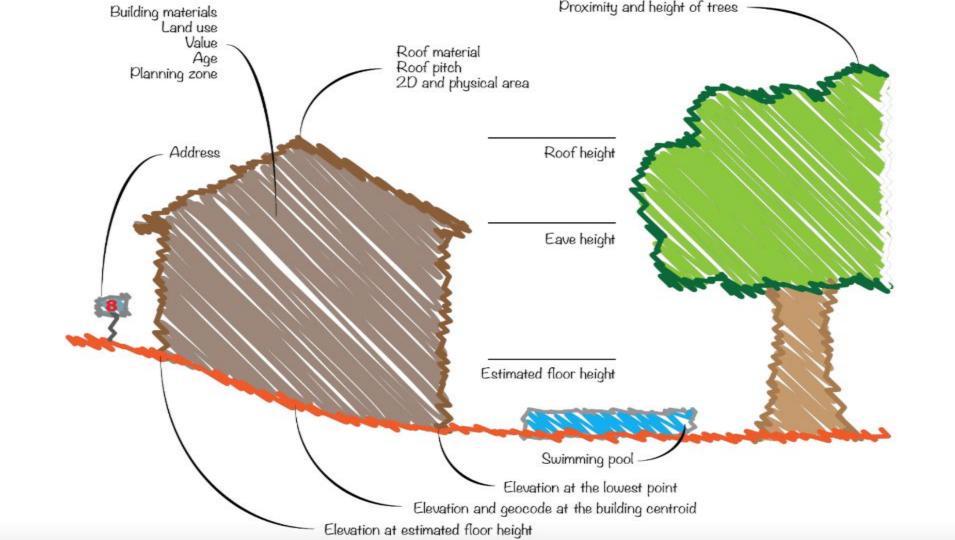


Expert Annotators













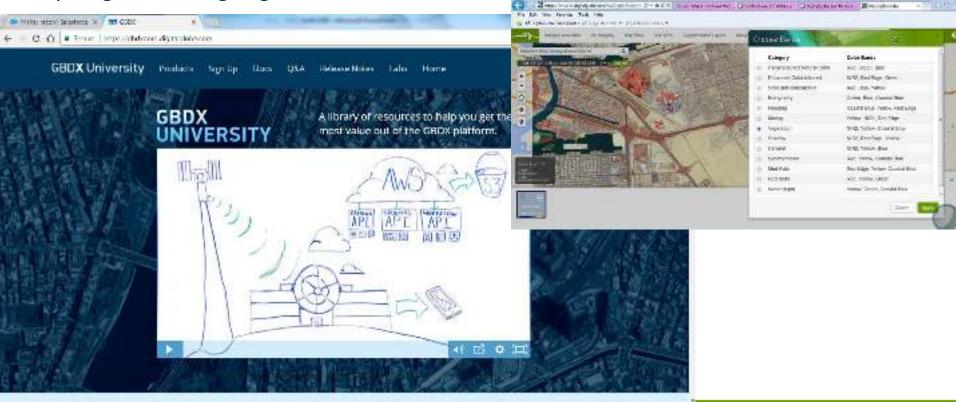




GBDX Resources



https://gbdxdocs.digitalglobe.com/



Conclusion



- Massive amounts of accessible data on the cloud (100 Petabytes)
- Multisource Imagery (Optical med-high resolution and Radar)
- Emerging intra day revisit high resolution satellites (DigitalGlobe Legion)
- Cloud compute
- Crowd
- Growing ecosystem of algorithms from traditional vendors and emerging players

Rapidly transforming processing chains that can be efficiently deployed at source and at scale

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