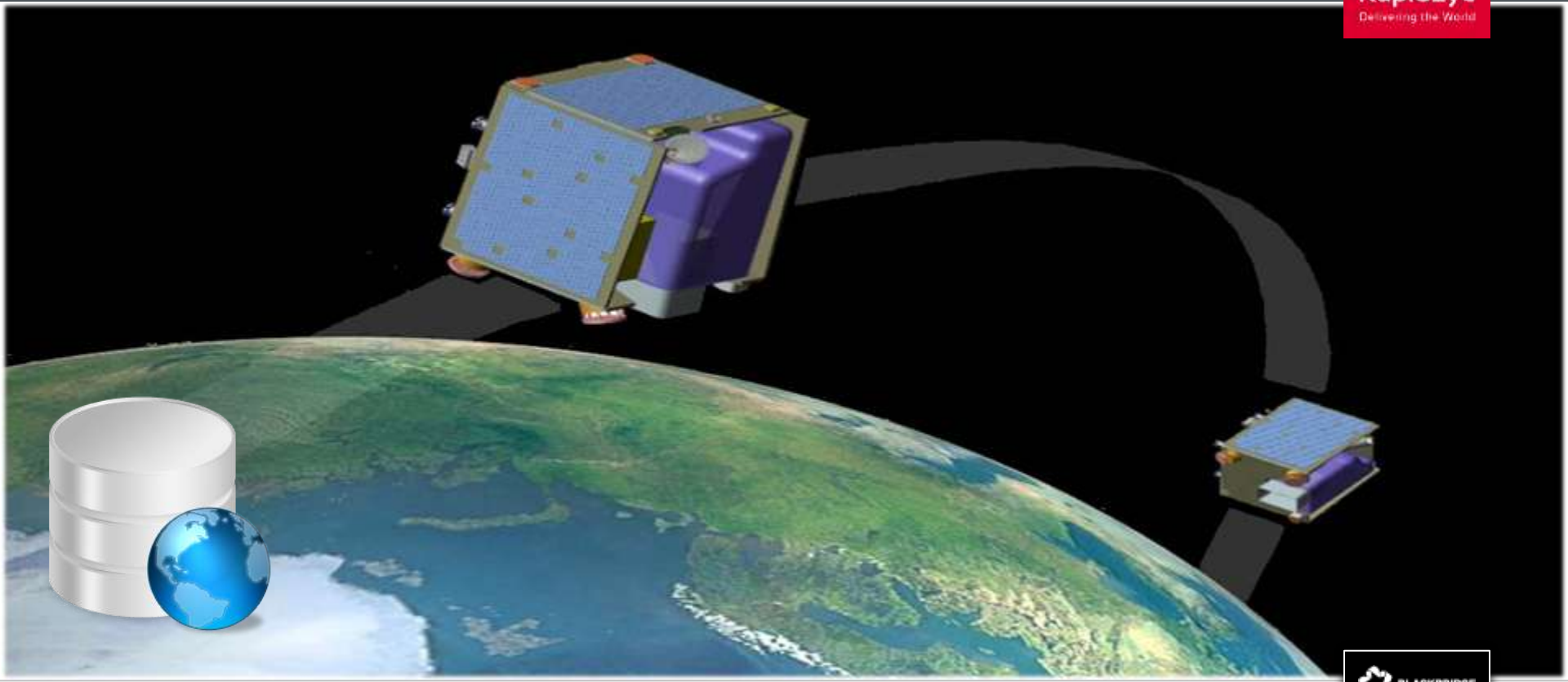
www.rapideye.com

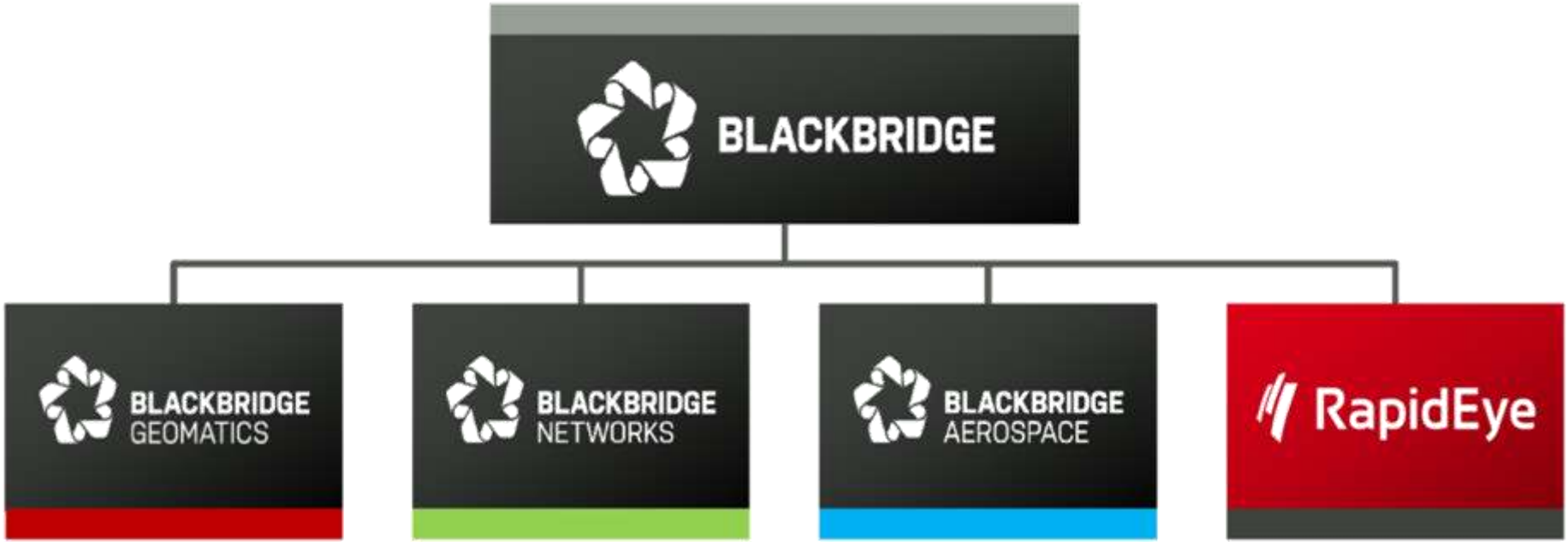
Germany | USA | Canada | Luxembourg

RapidEye Delivering the World



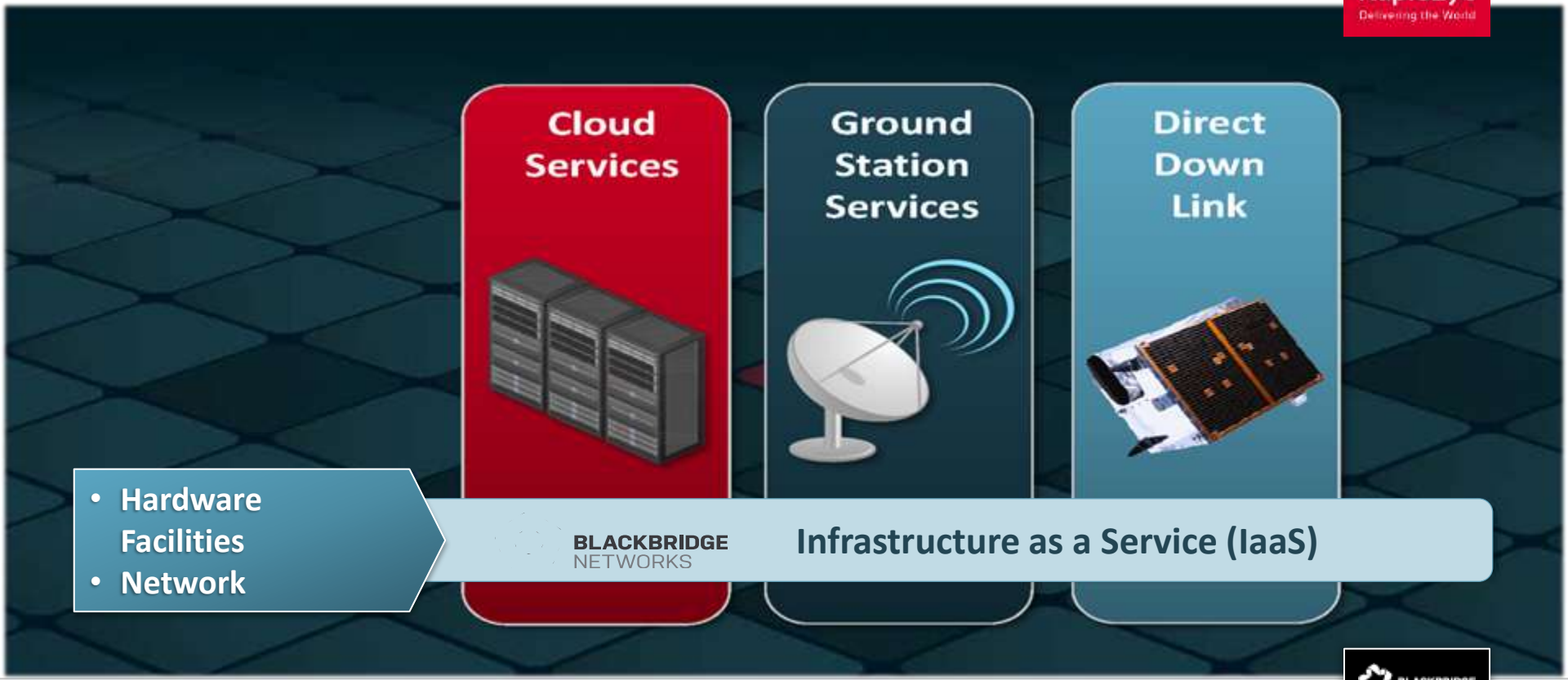
Value proposition > Information flow

Corporate structure BLACKBRIDGE Group

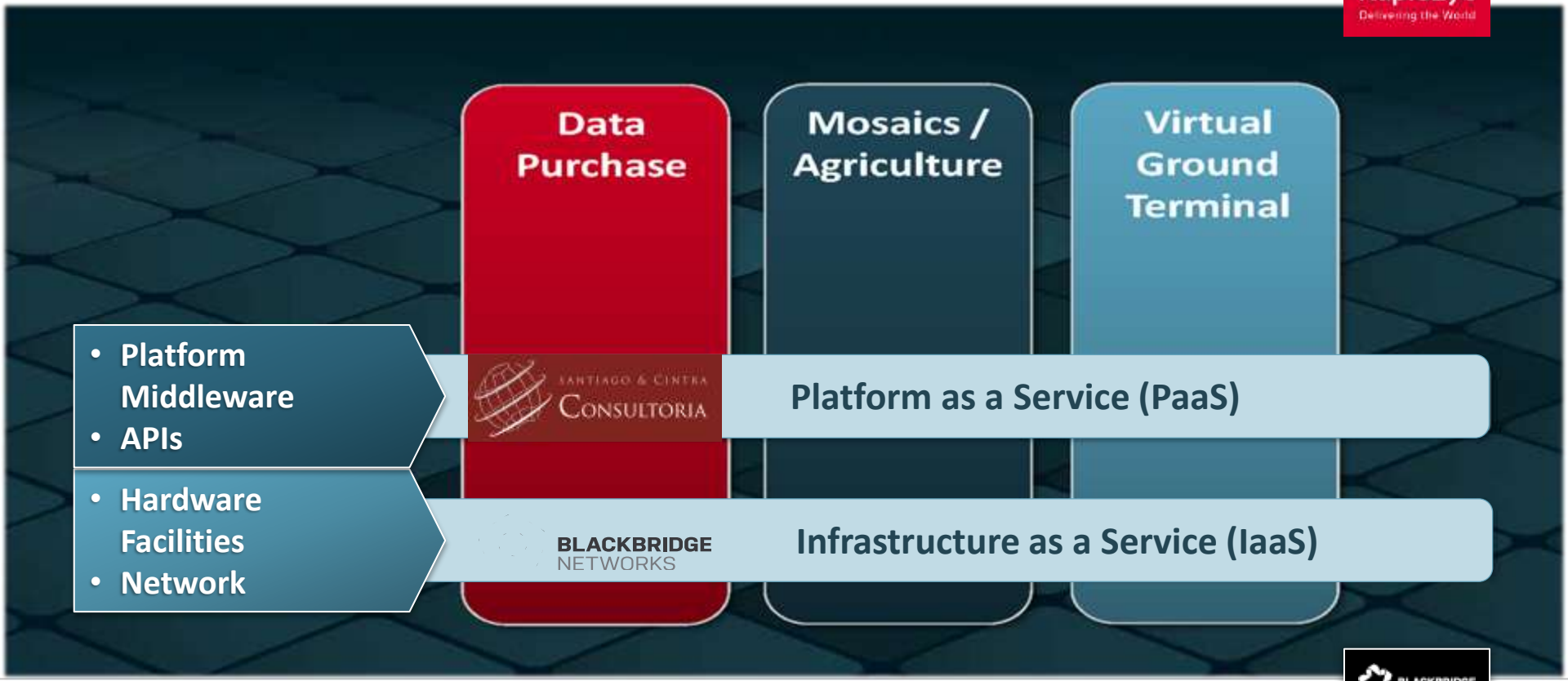


A Platform Company

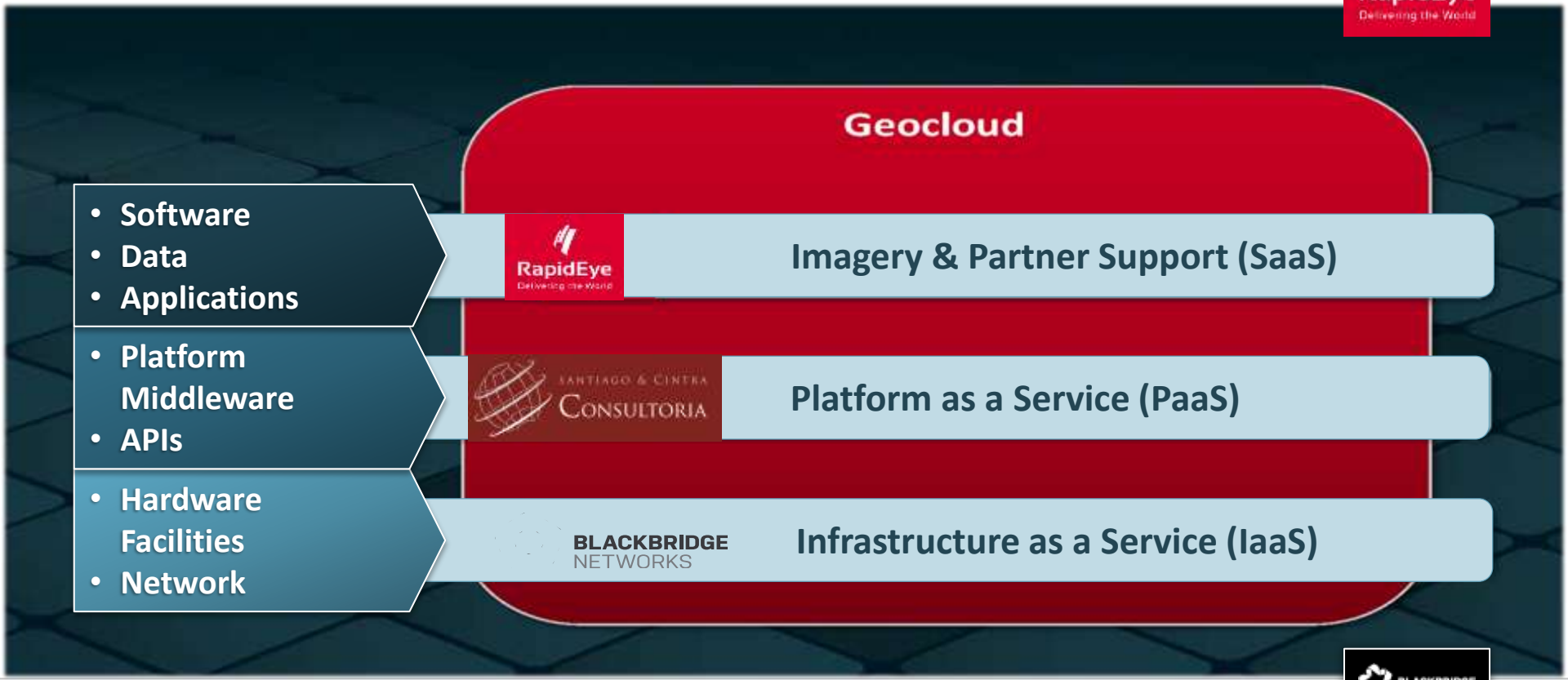
RapidEye
Delivering the World



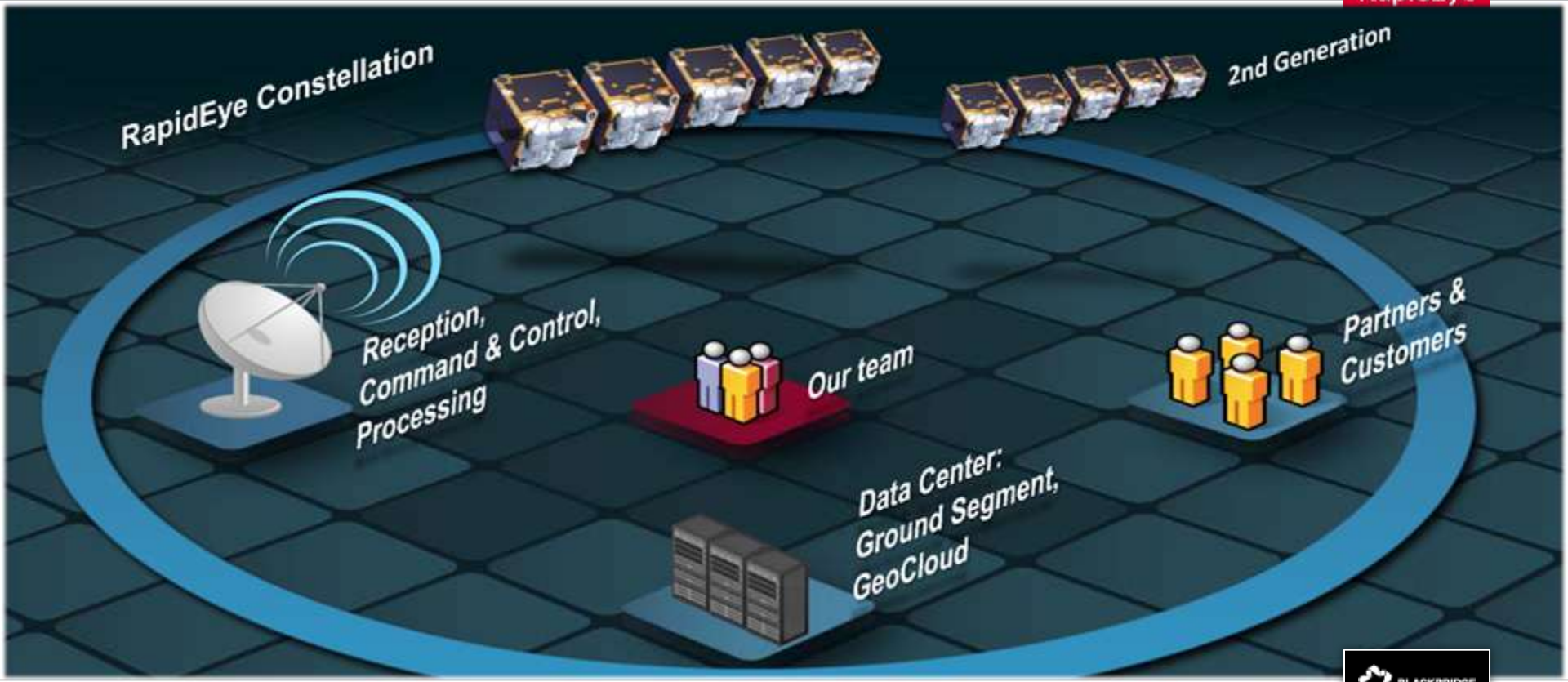
A Platform Company



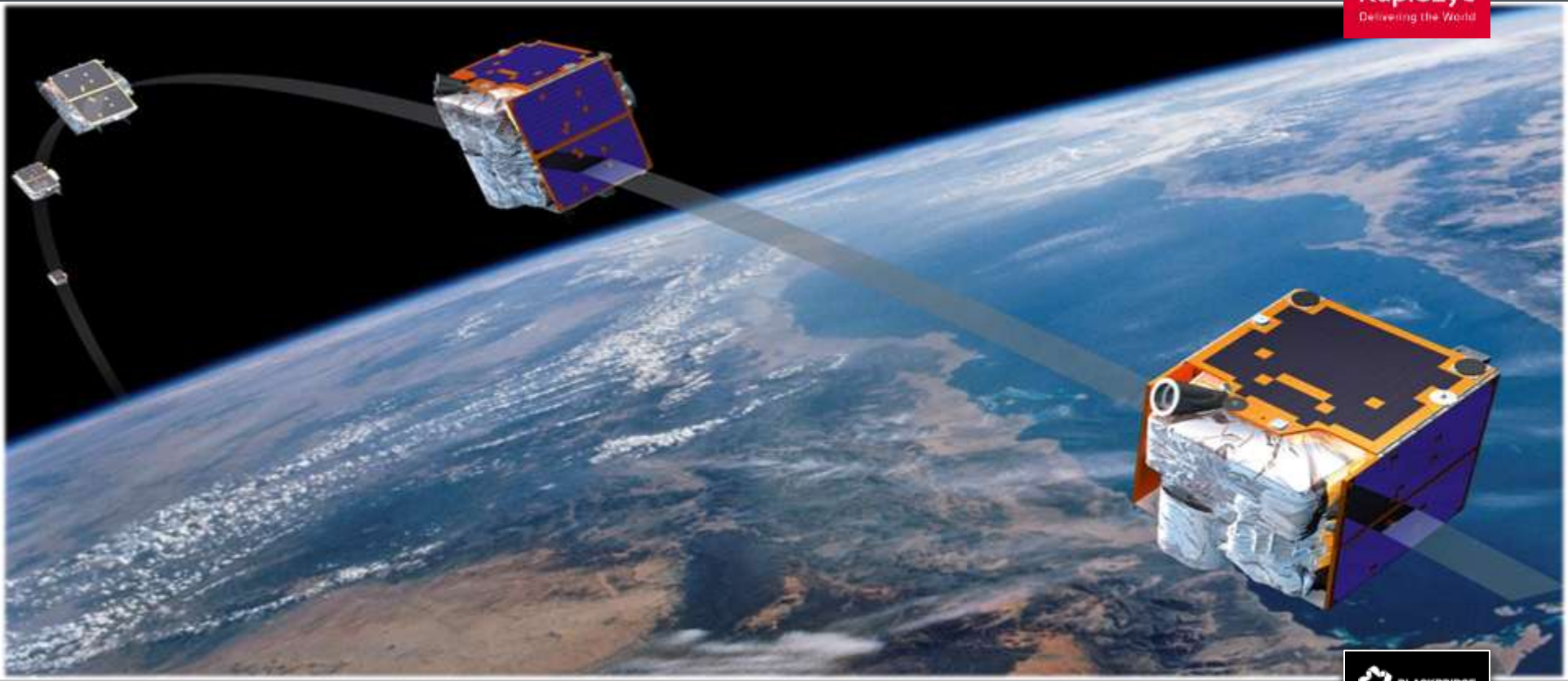
A Platform Company



Corporate Roadmap



RapidEye Satellite Constellation



Technical status overview

All five satellites are **fully-operational.**

The constellation is **intact.**

Engineers and Operators monitor systems trends and performance routinely.

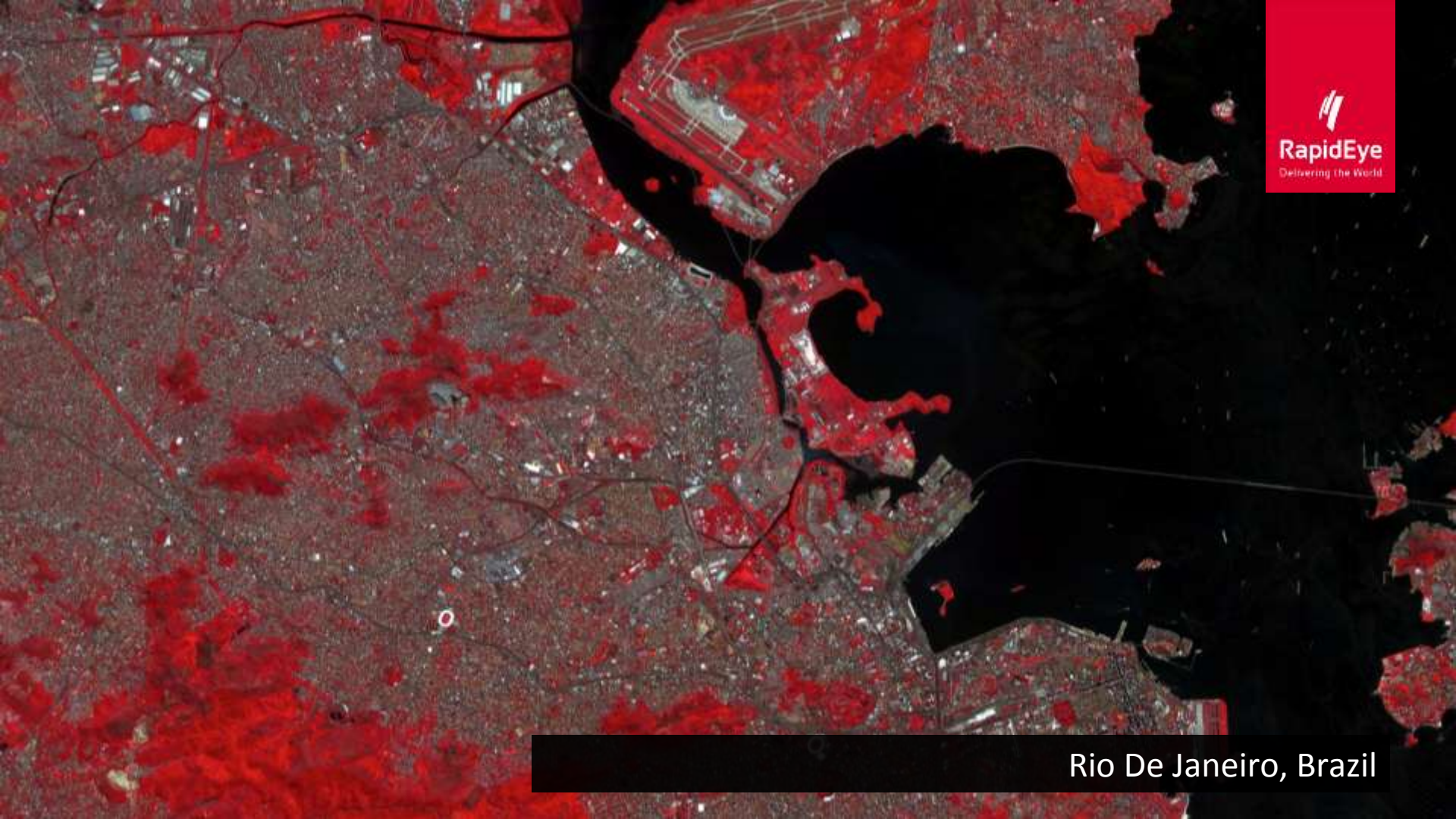
System improvements continuously developed and implemented to minimize the downtime.

Improved calibration techniques developed to ensure image quality uniformity and stability.

Space segment is utilized beyond initial design capacity. Creative solutions being developed to push the limits further.

High Resolution Satellite Imagery

RapidEye
Delivering the World



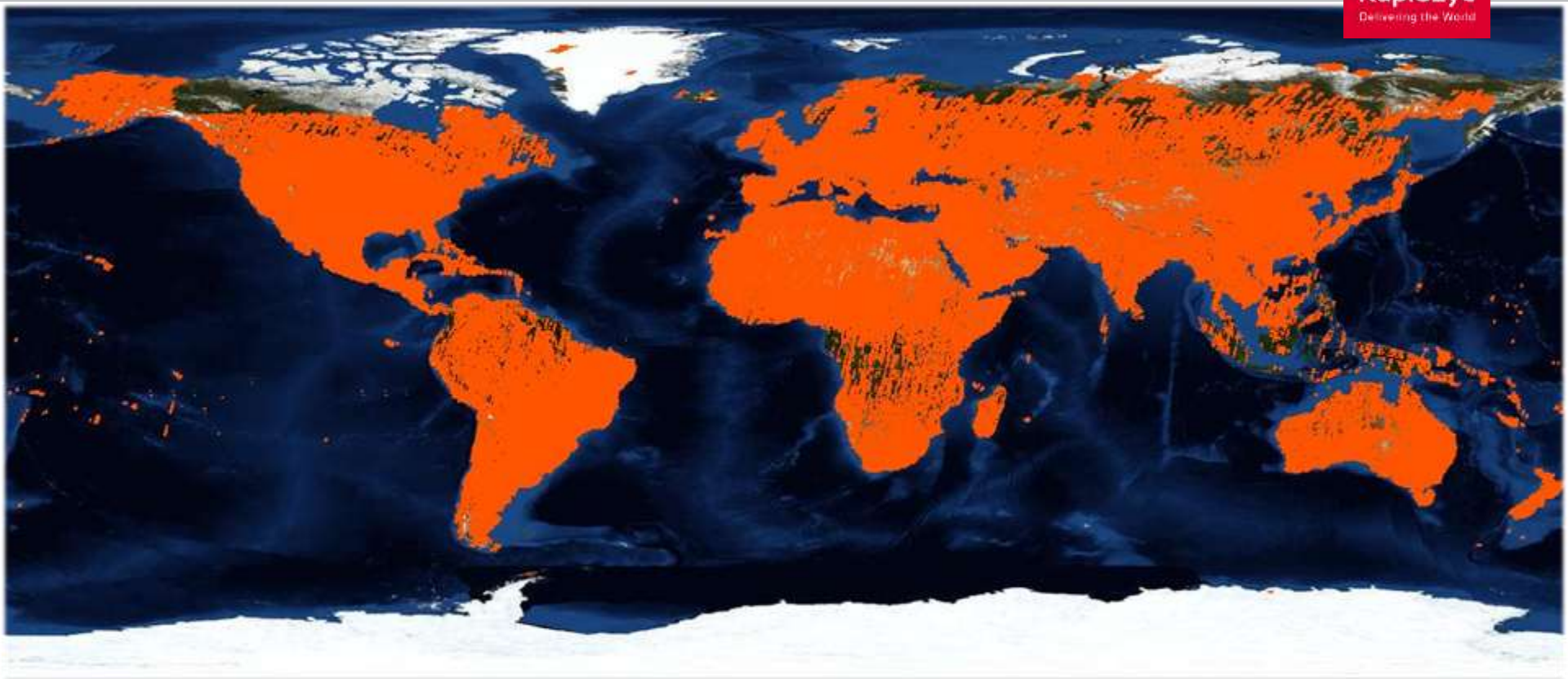
Rio De Janeiro, Brazil

Western Bahia, Brazil

East of Rio Verde, Brazil

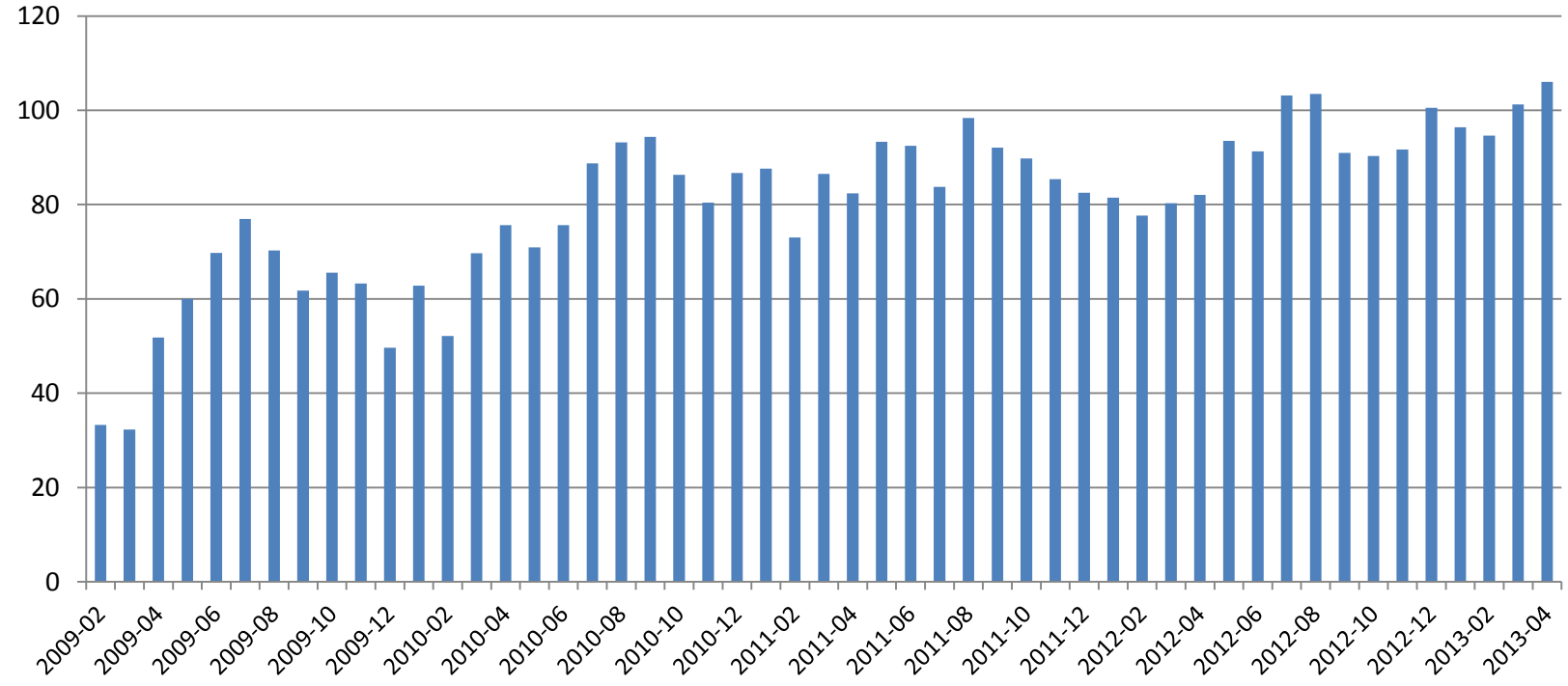
Lago Del Rio Yguazu, Paraguay

Global coverage always updated

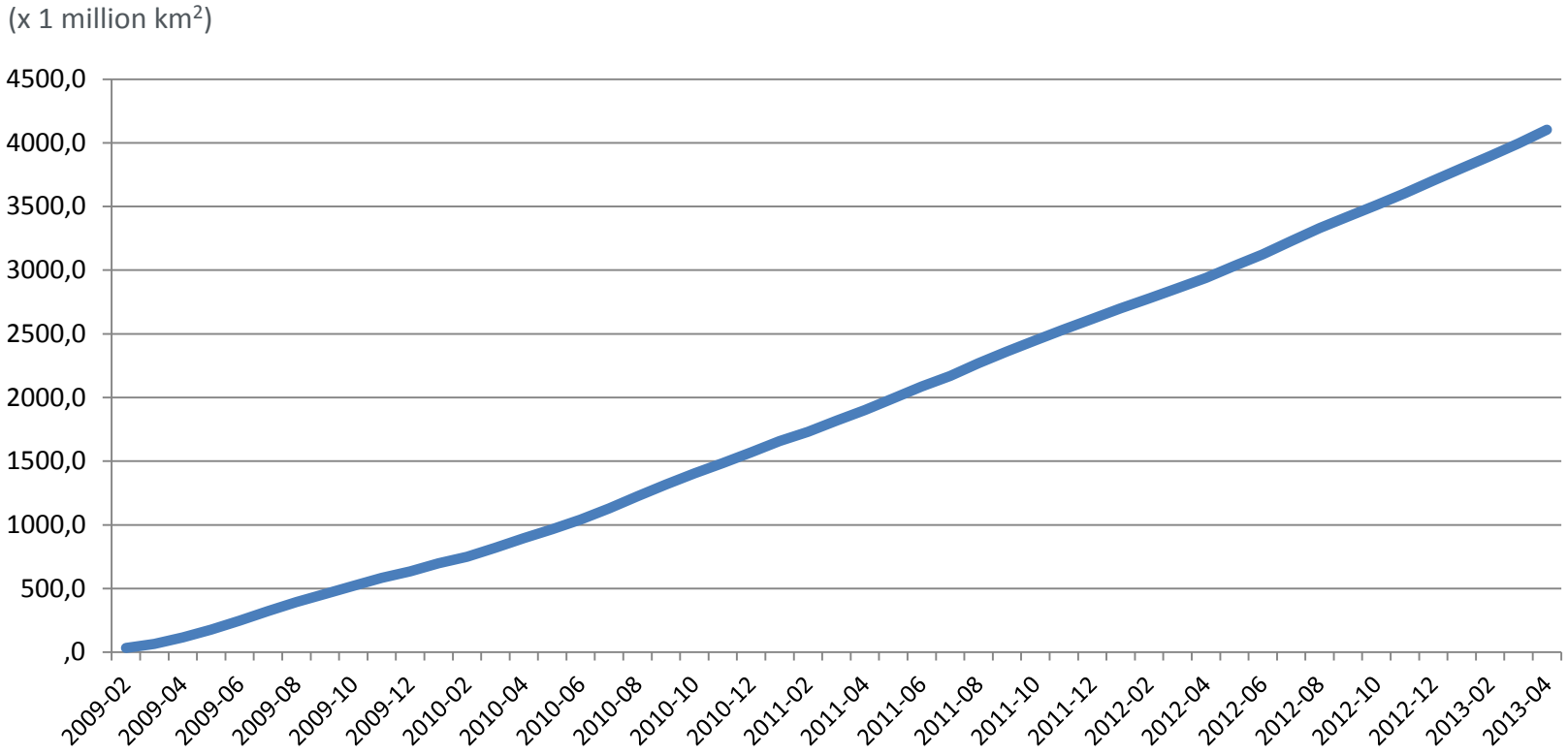


Rapideye global archive collection

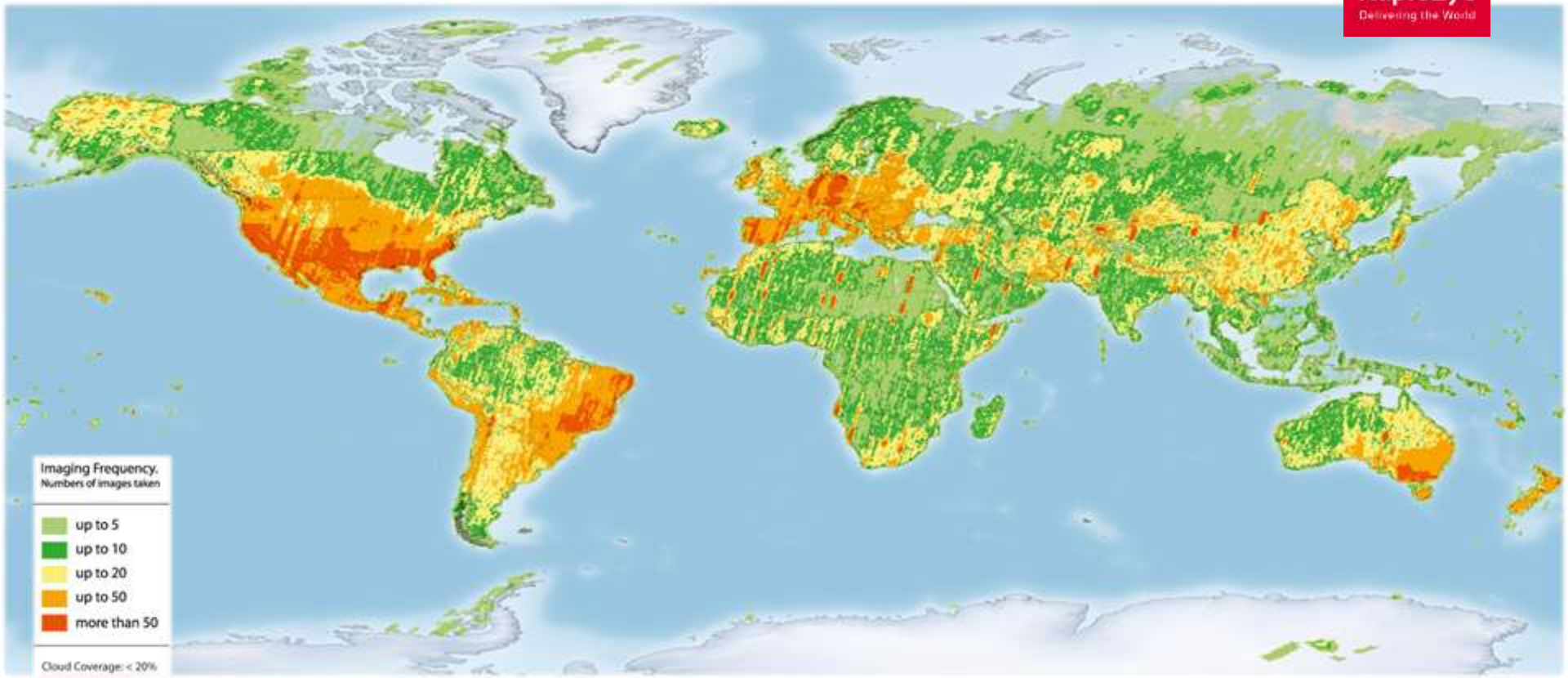
(x 1 million km^2)



Rapideye global archive storage



Global coverage > 2009 to 2013



EyeFind

Online Archive Discovery Tool

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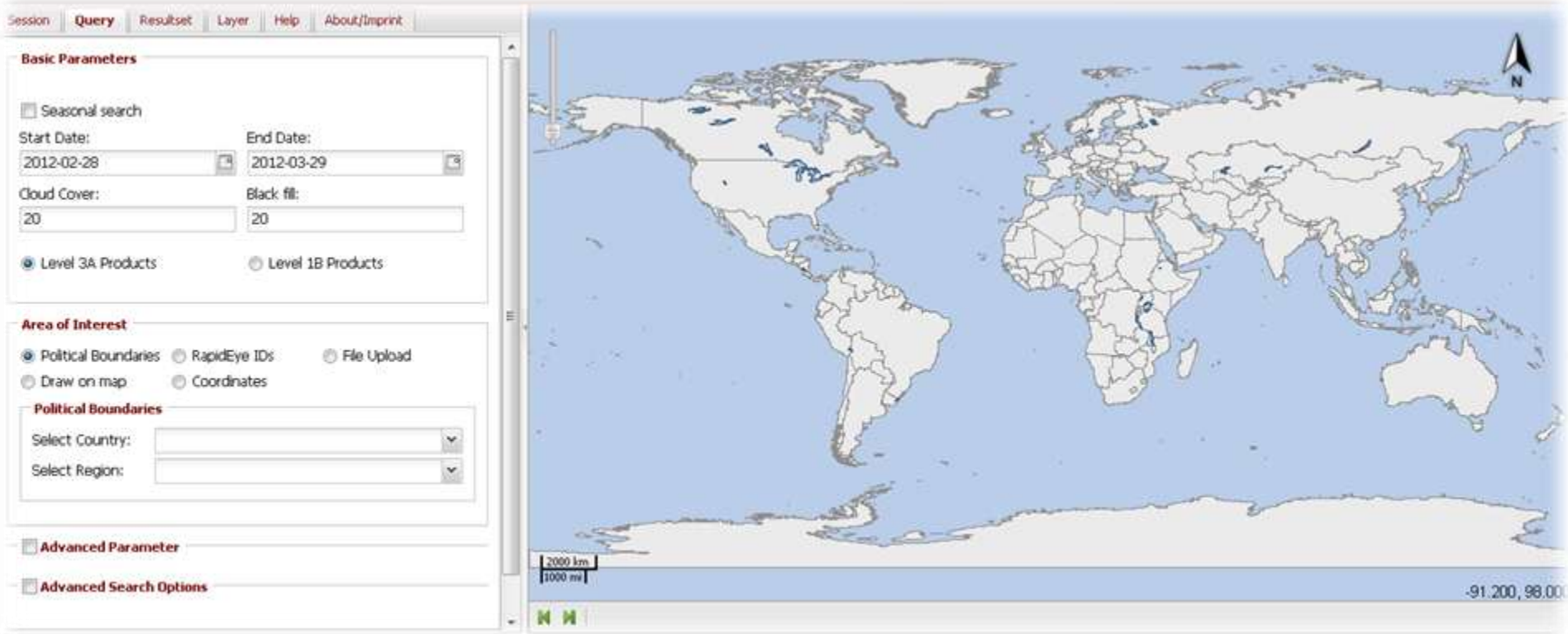
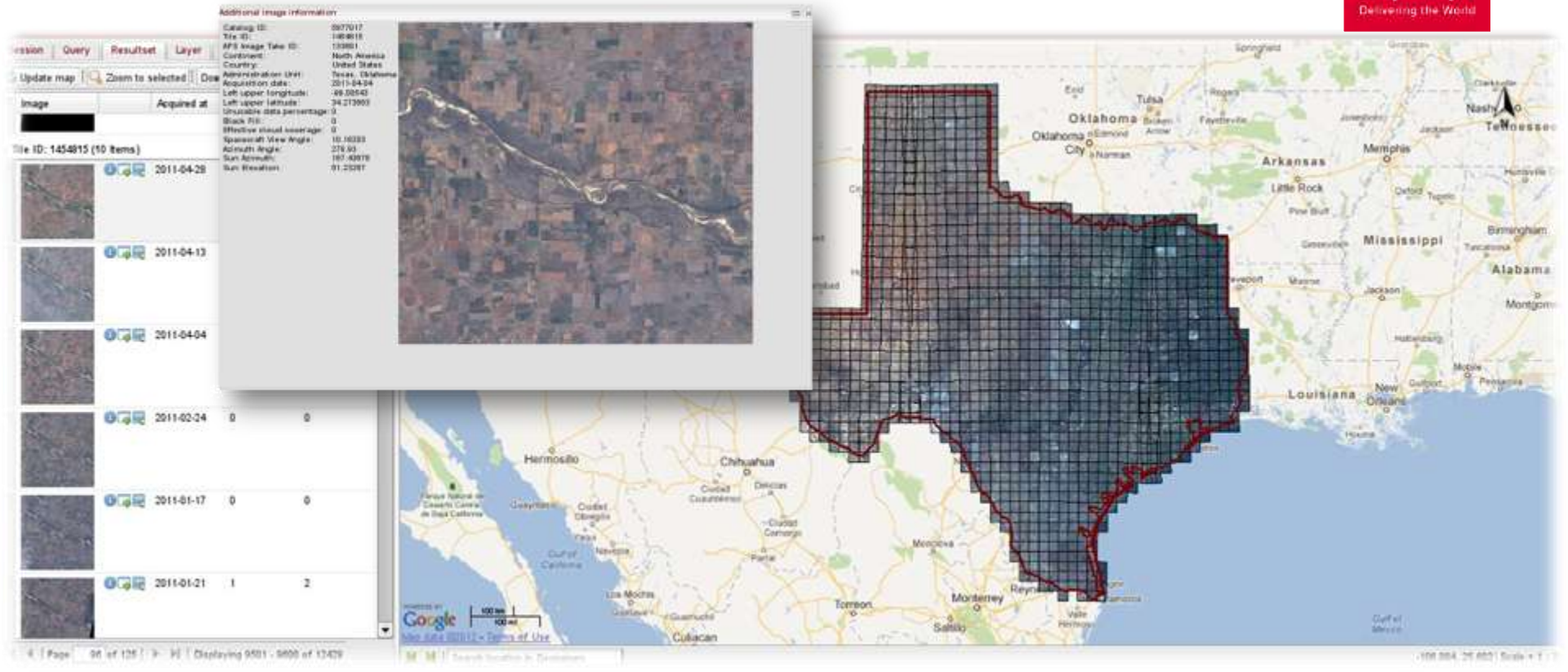
Browse and search RapidEye's global archive of high-resolution multi spectral satellite imagery

eyefind.rapideye.com

Online Archive Discovery Tool



Search and retrieve information



Take home this message

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5,000,000 km²

Daily collection capacity – the new industry benchmark

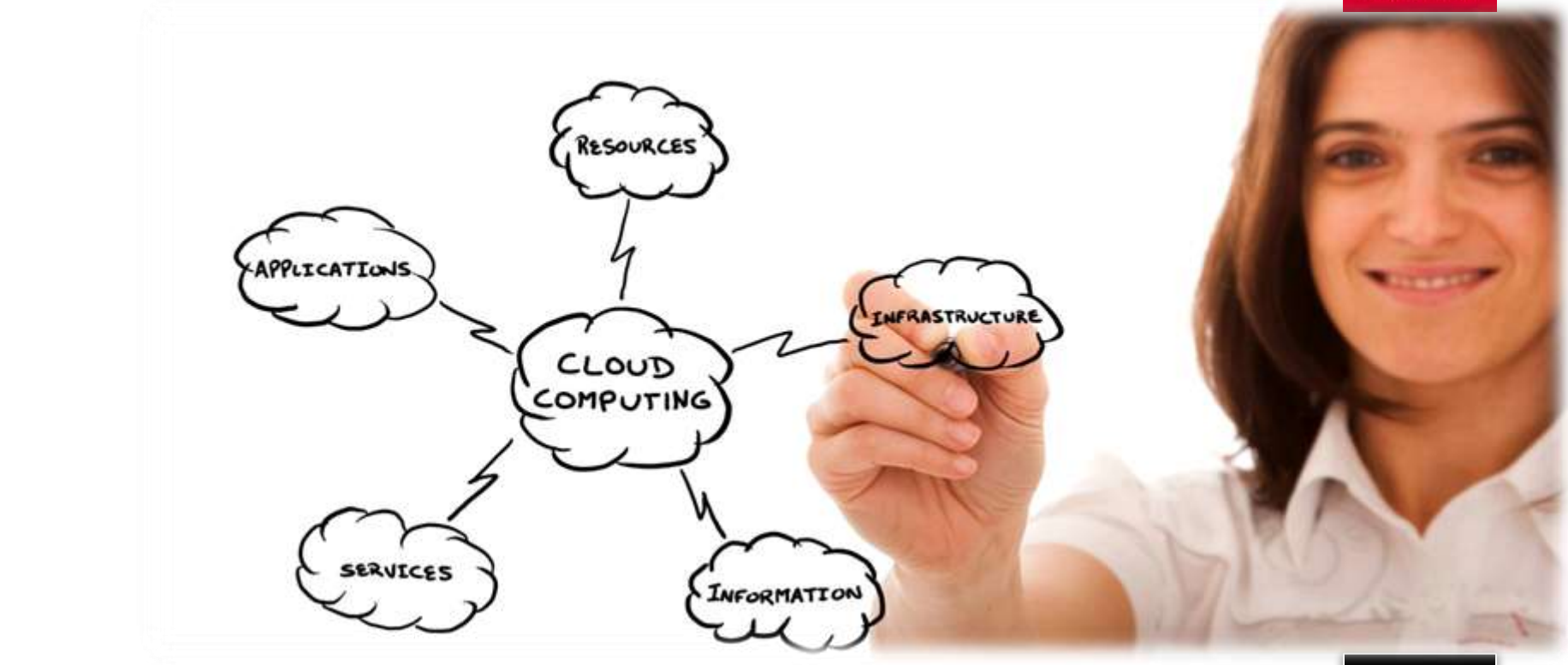
2019

Life extended until at least

Data Continuity

Focus for 2013

GeoCloud Services by BlackBridge



BLACKBRIDGE
NETWORKS

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Cloud Computing	Infrastructure as a Service providing Microsoft and Linux VMs with available GIS software
Cloud Storage	Cost effective, file-level storage solutions optimized for geospatial data processing
Backup & Recovery	Incremental, automated backup of desktops and servers with recovery in less than 5 minutes

Infrastructure architecture advantages

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- Secure and reliable virtual infrastructure
- Industry leading high-availability VMWare clusters
- vMotion migration and backup options
- Choice of infrastructure specifications
- Fast virtual machine provisioning
- File-based bulk storage (SATA and SSD)
- 10 Gbps converged network
- Reduced total cost of ownership

Geocloud strategy

GeoCloud

- Software
- Data
- Applications

RapidEye — **Imagery & Partner Support (SaaS)**

- Platform Middleware
- APIs

Santiago & Cintra Consultoria — **Platform as a Service (PaaS)**

- Hardware Facilities
- Network

BLACKBRIDGE NETWORKS — **Infrastructure as a Service (IaaS)**

Geocloud services

Discovery

- RapidEye catalogue within your applications
- Automate imagery query
- Notifications of new imagery

Delivery

- RapidEye imagery within your applications
- No data management overhead
- Interoperability with many platforms

Processing

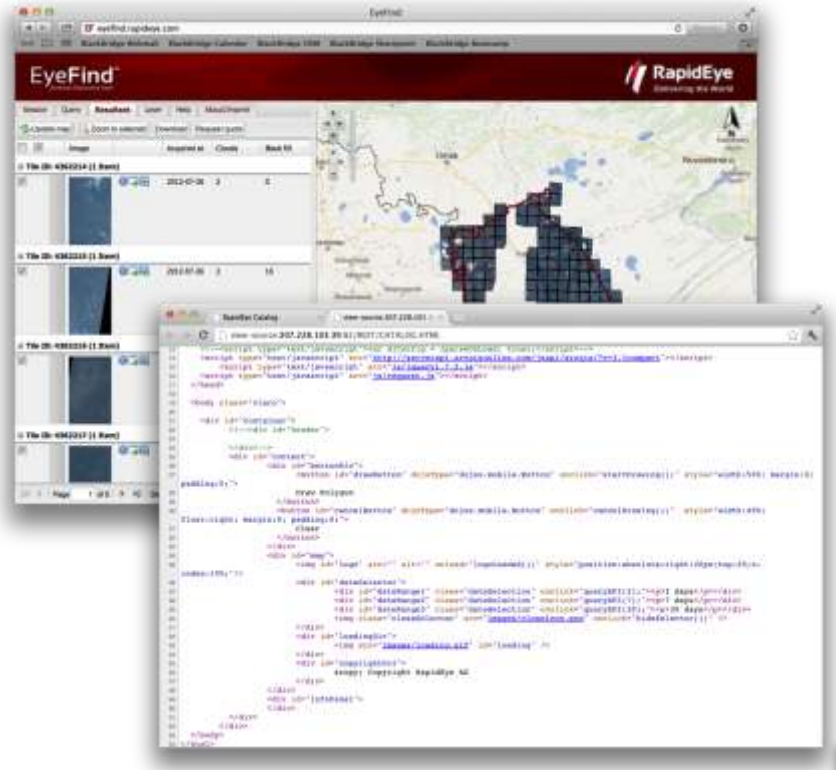
- Access high performance computing resources
- Direct access to RapidEye archive
- Customer creates derived products
- Vegetation indices, classification, etc.

Geocloud services

Discovery

Discovery

- EyeFind
- Catalog REST API
- WFS



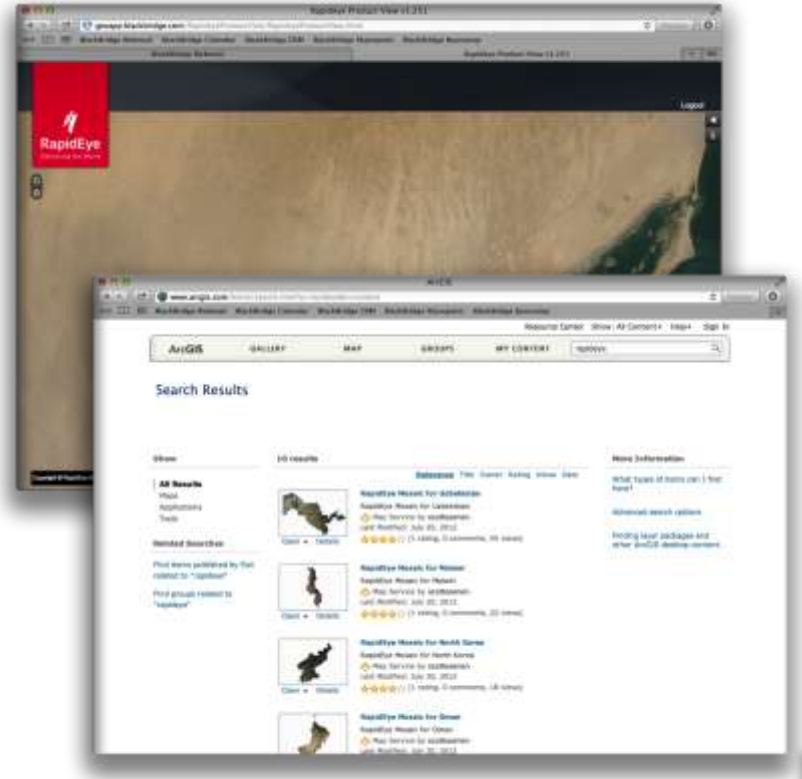
Delivery

Delivery

WMS

WMTS

KML



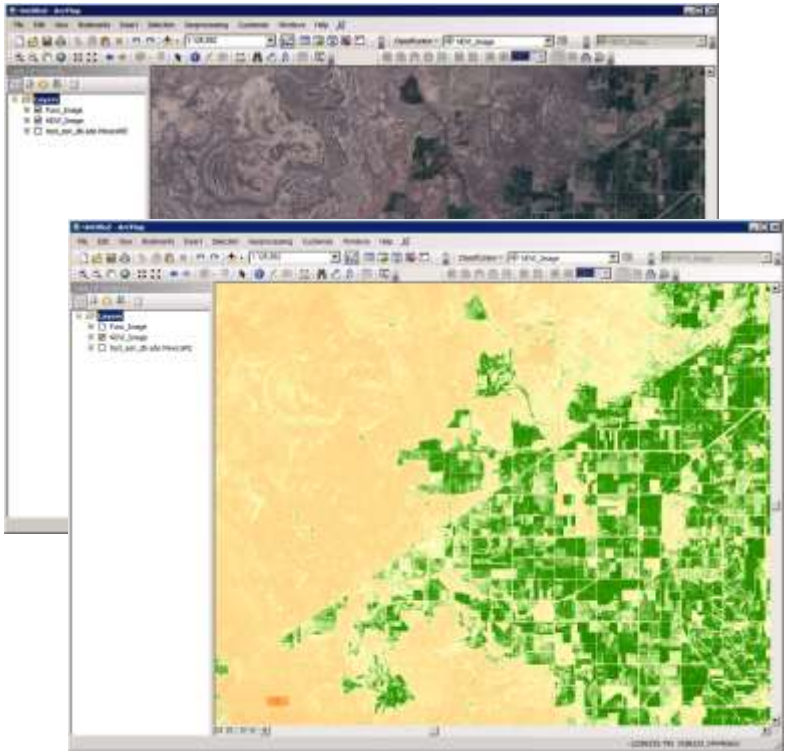
Processing

Processing

WPS

Models & Algorithms

Derived Products



Thank you very much

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Information to the geospatial value chain

Five-satellite Constellation

Up to 5 million km² can be imaged daily

Broad Area Collection

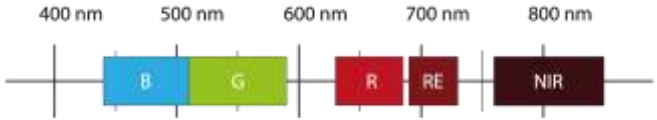
77 km wide sensor swath ideal for large area monitoring and mapping

Superior Revisit

Frequent revisit enables large area change detection

High Resolution Imaging

5 meter pixel size imagery suitable for cueing higher resolution resources

Multi-Spectral Imaging

5 spectral bands for improved feature discrimination and target classification: