



RapidEye

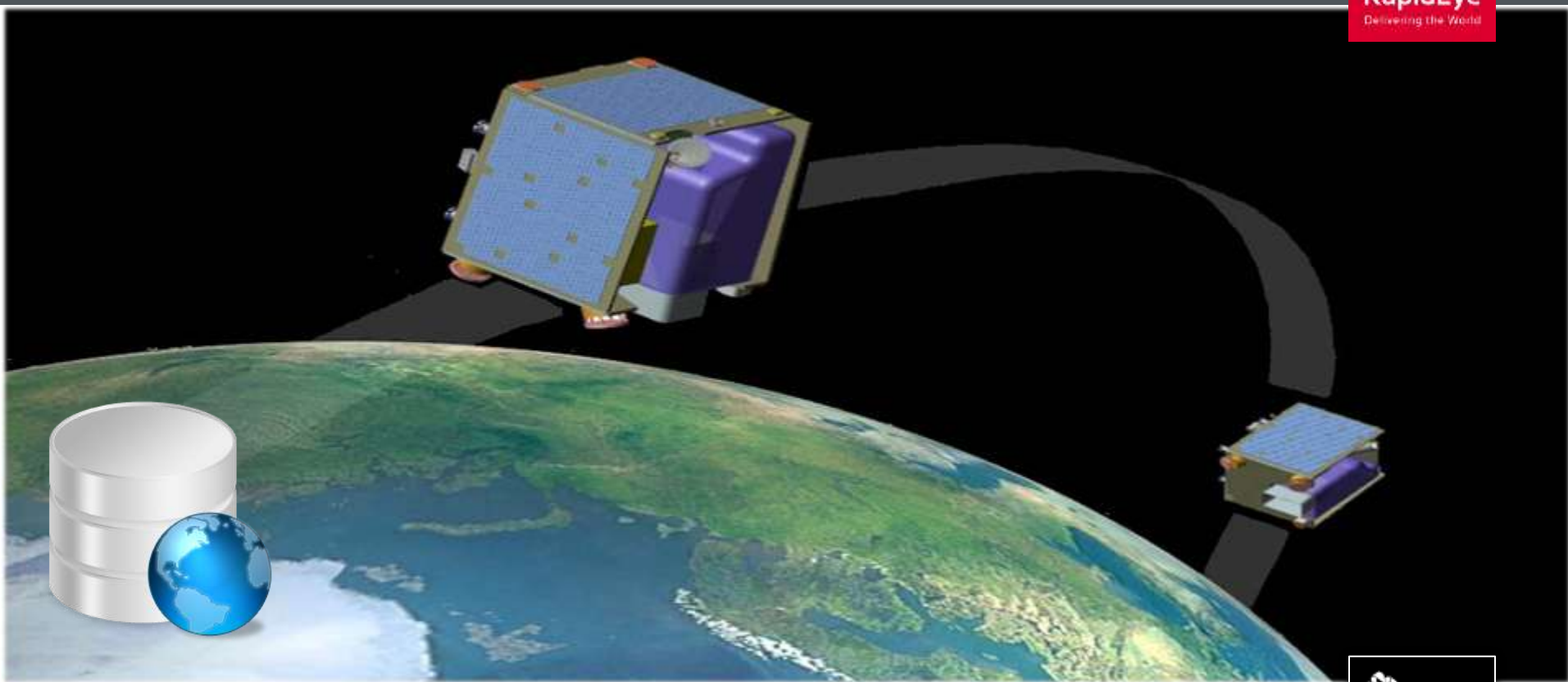
Delivering the World

www.rapideye.com

Germany | USA | Canada | Luxembourg

Germany | USA | Canada | Luxembourg

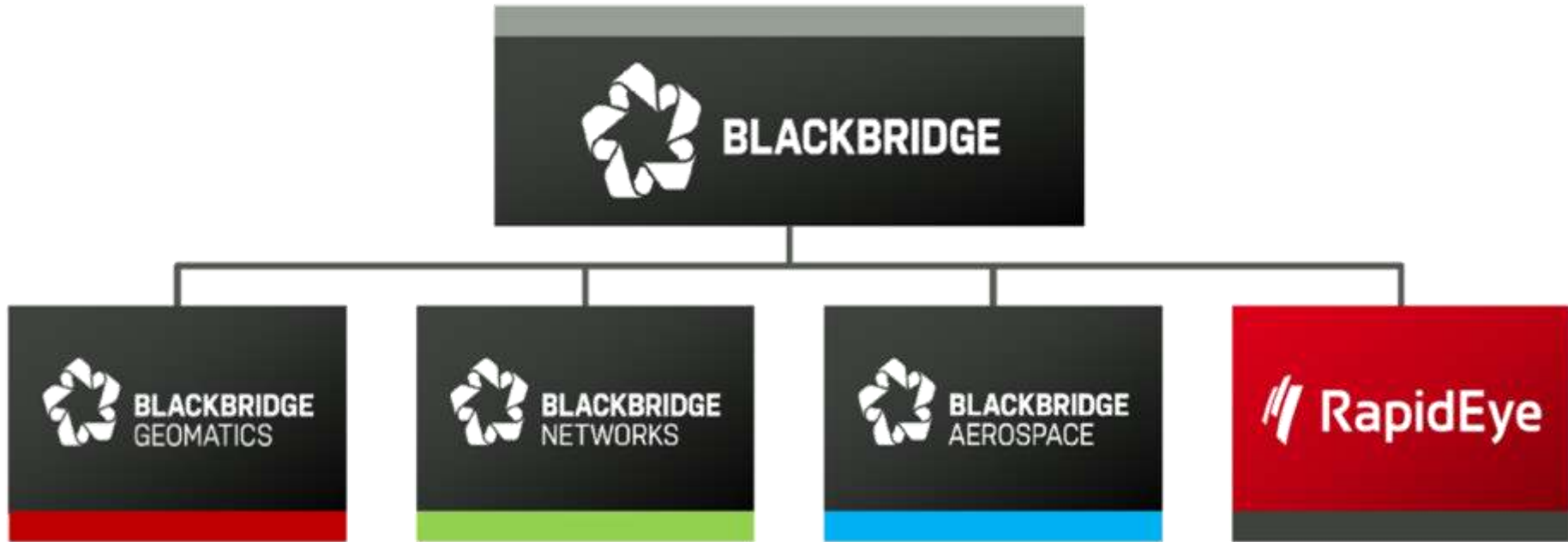
RapidEye Delivering the World



Value proposition > Information flow



Corporate structure BLACKBRIDGE Group



A Platform Company

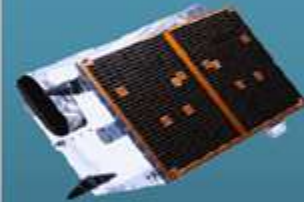
Cloud Services



Ground Station Services



Direct Down Link



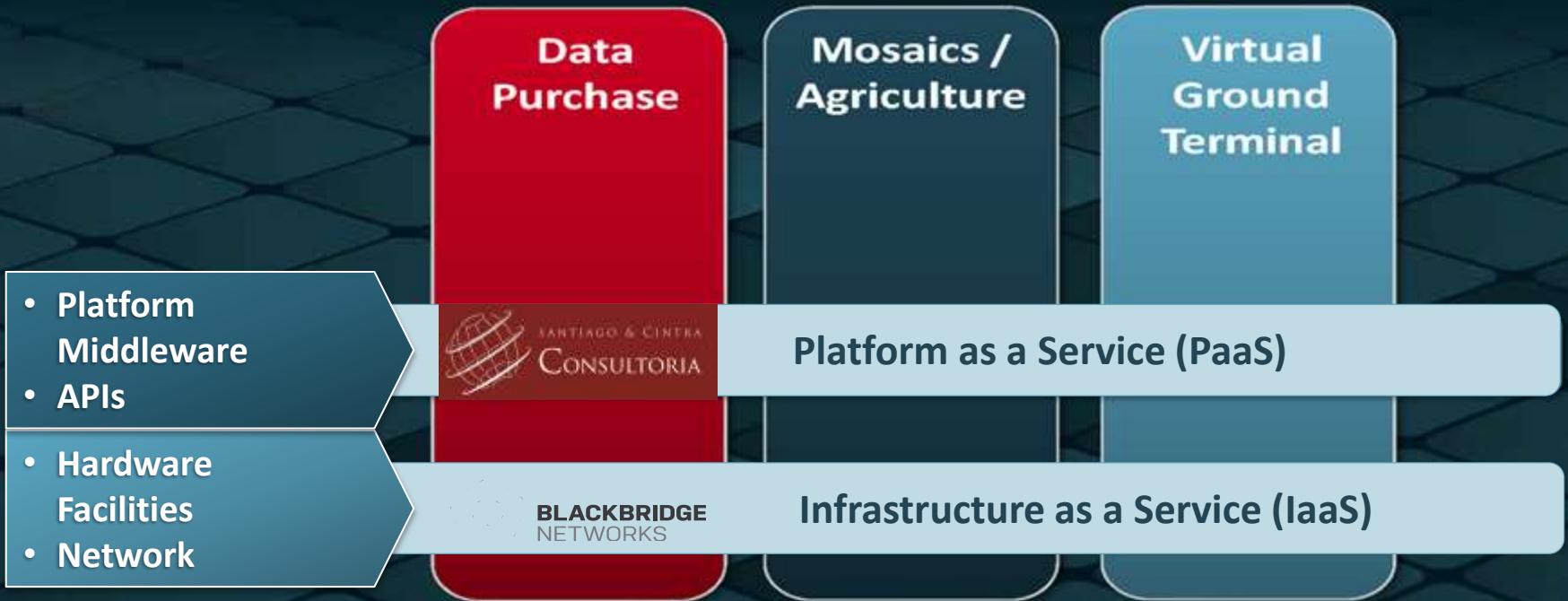
- Hardware Facilities
- Network



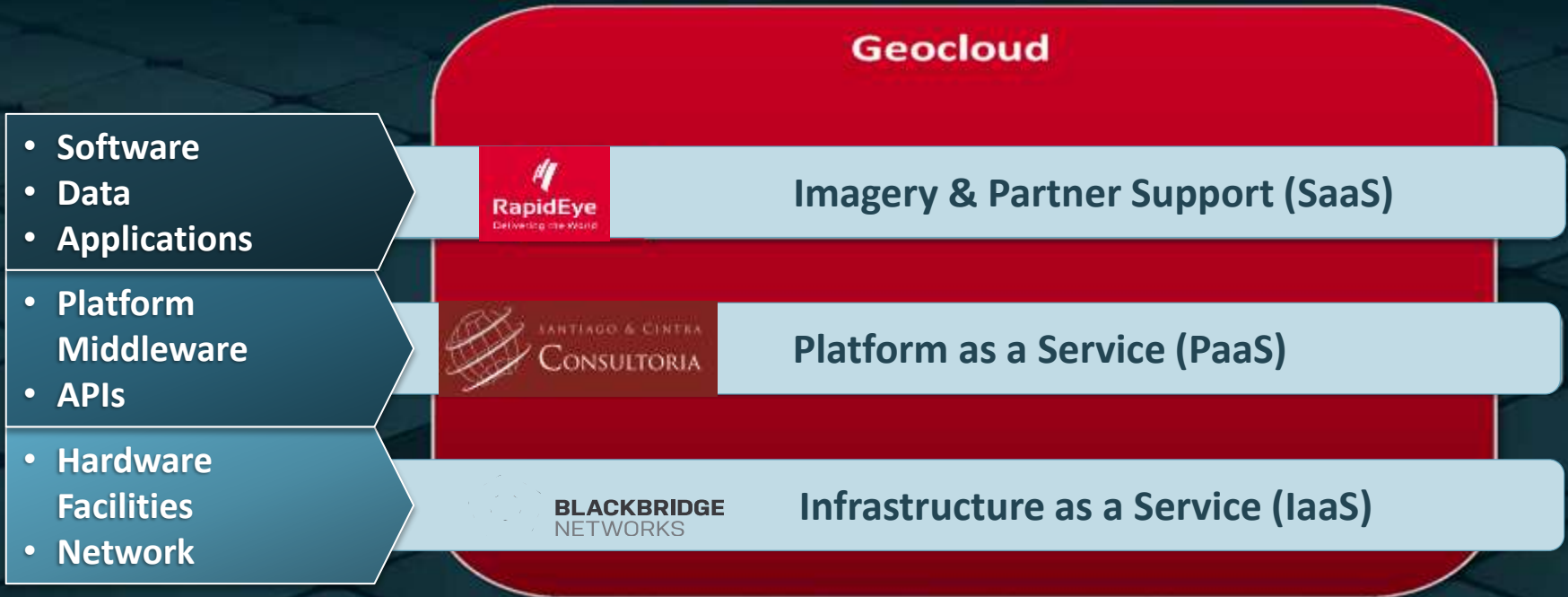
BLACKBRIDGE
NETWORKS

Infrastructure as a Service (IaaS)

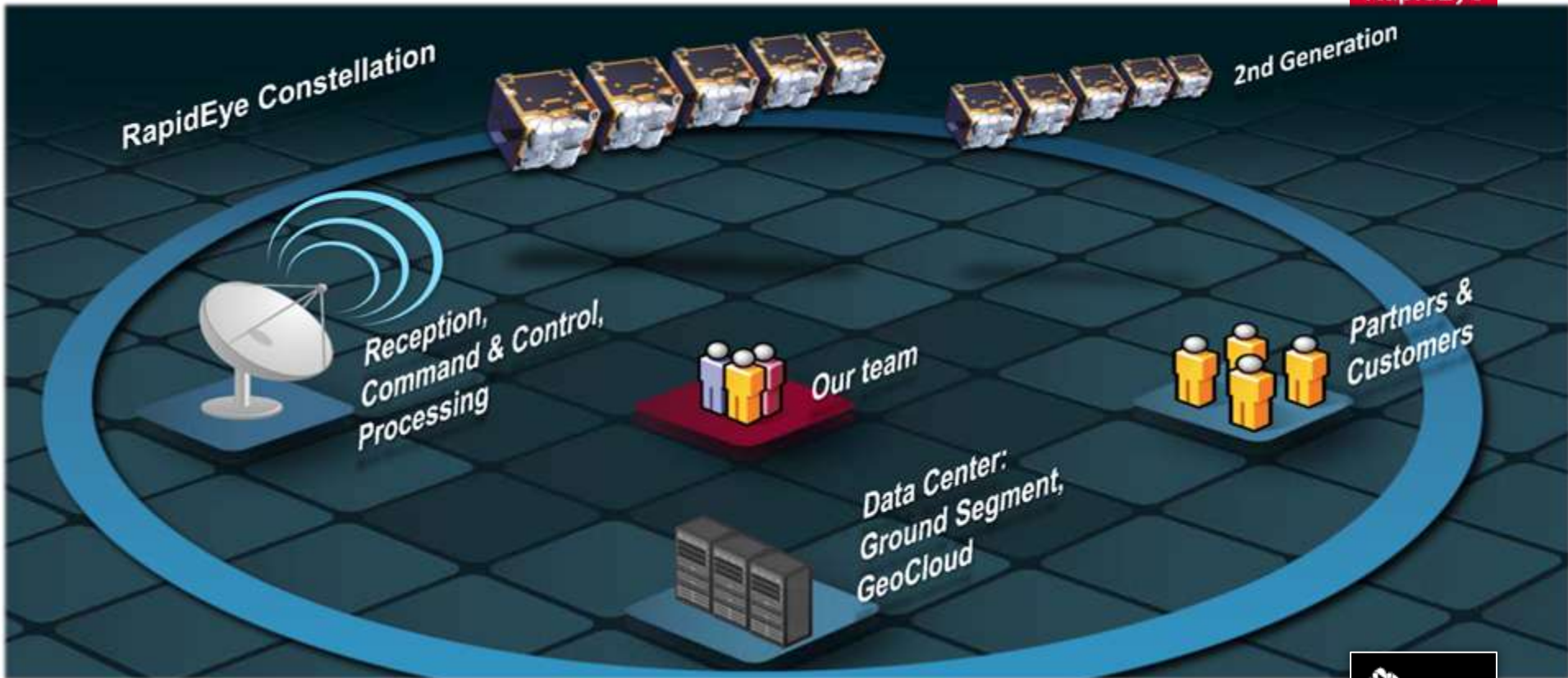
A Platform Company



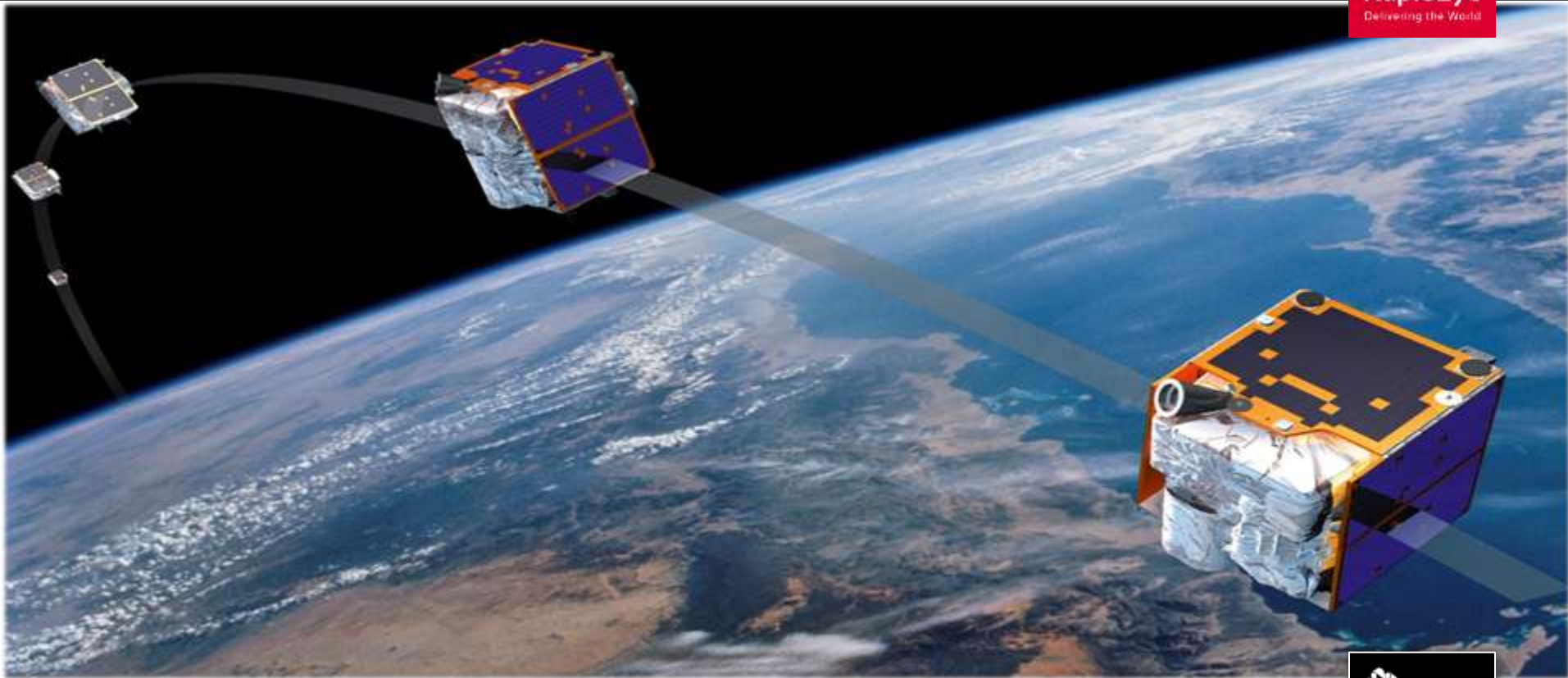
A Platform Company



Corporate Roadmap



RapidEye Satellite Constellation



Technical status overview

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

Engineers and Operators monitor systems trends and performance routinely.

The constellation is **intact**.

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



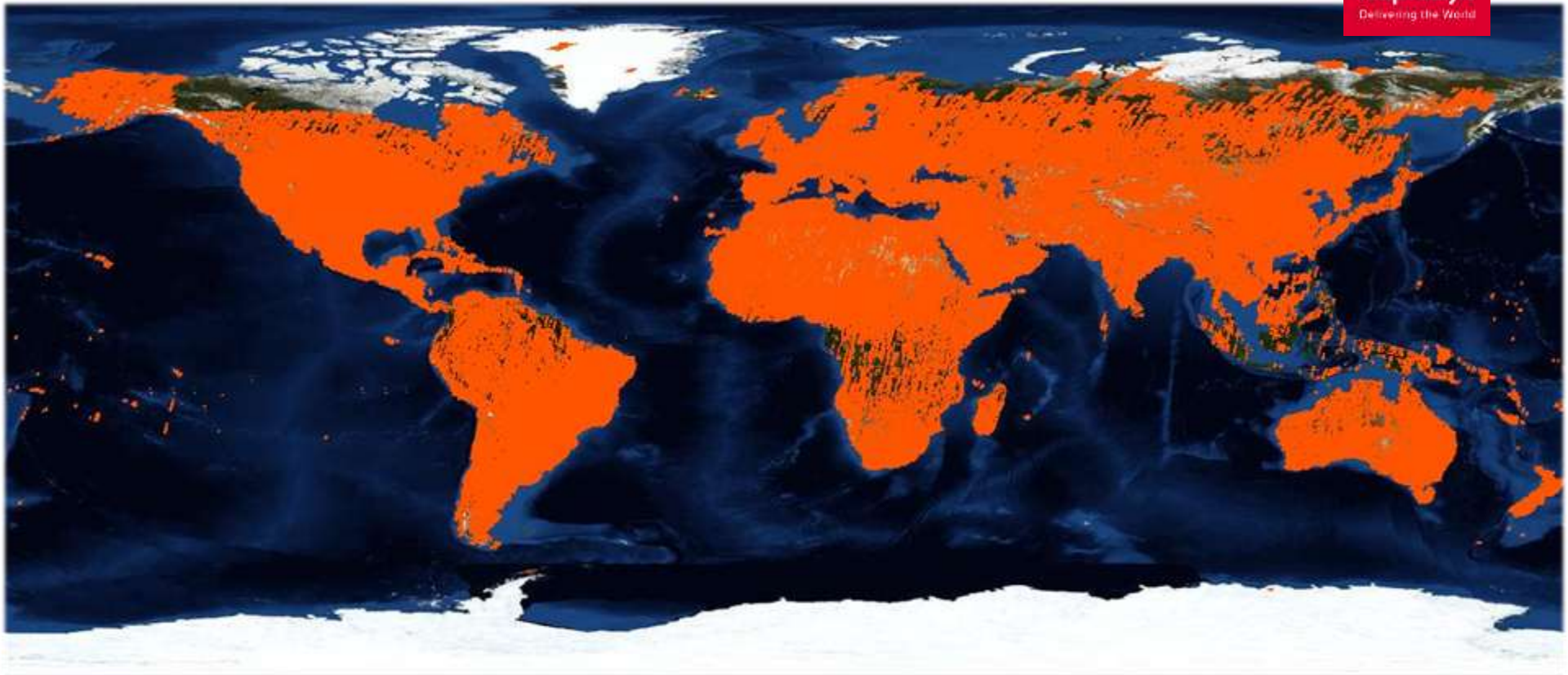
Rio De Janeiro, Brazil

Western Bahia, Brazil

East of Rio Verde, Brazil

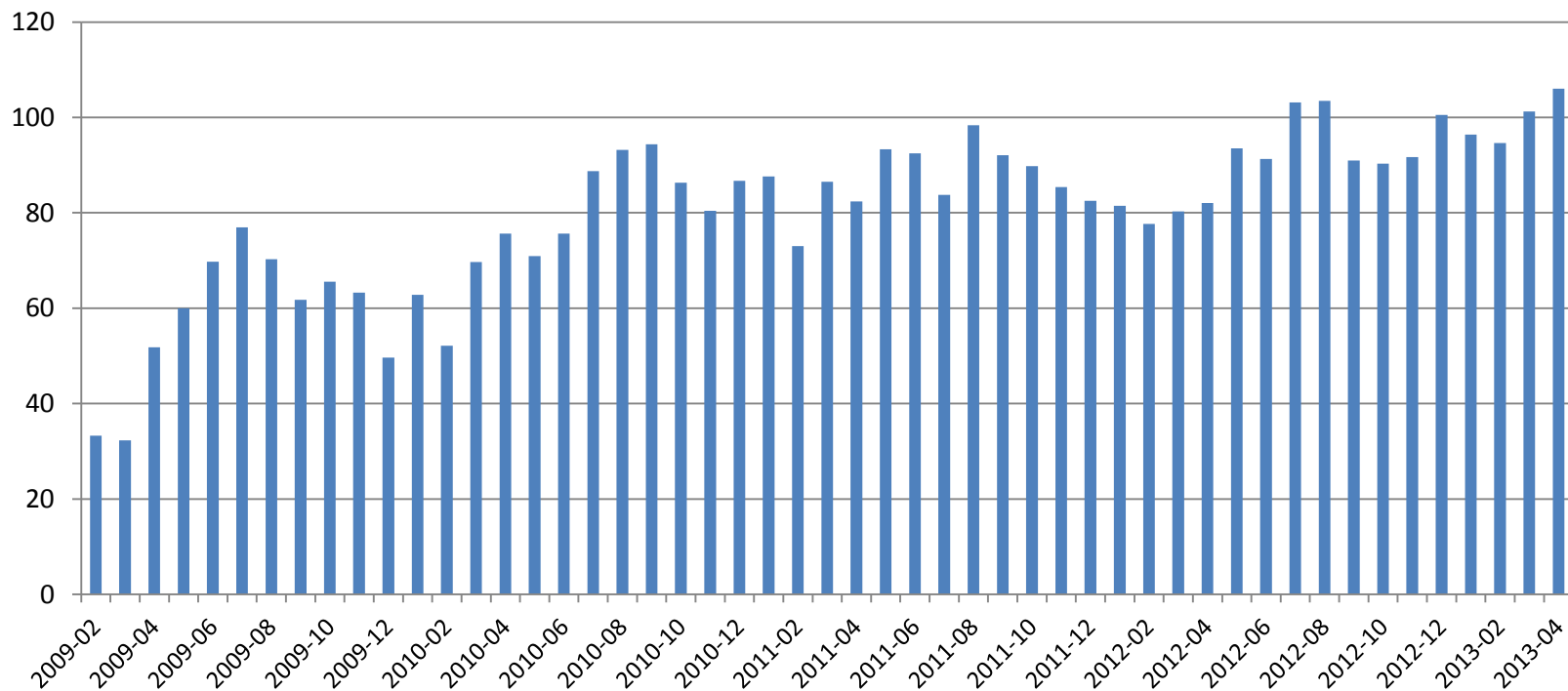
Lago Del Rio Yguazu, Paraguay

Global coverage always updated



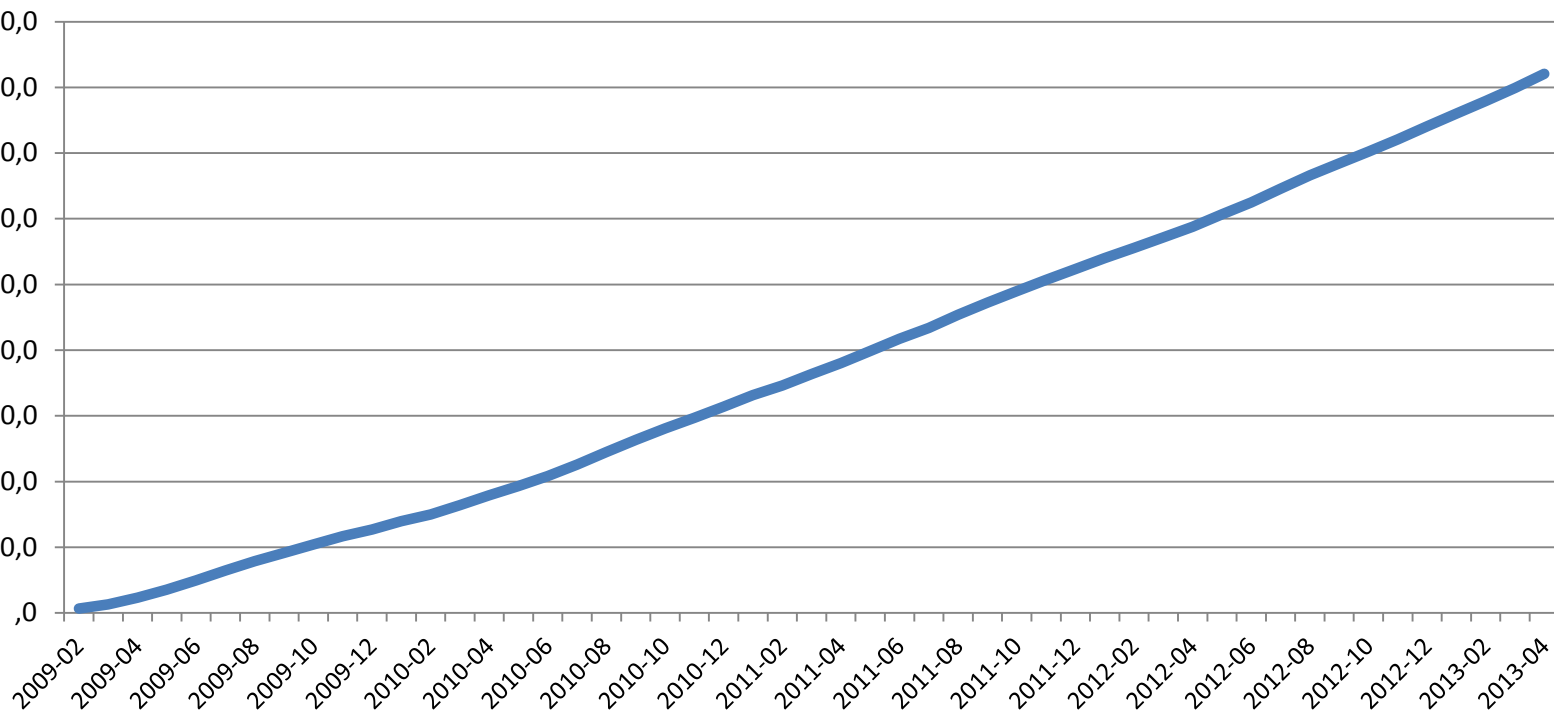
Rapideye global archive collection

(x 1 million km²)

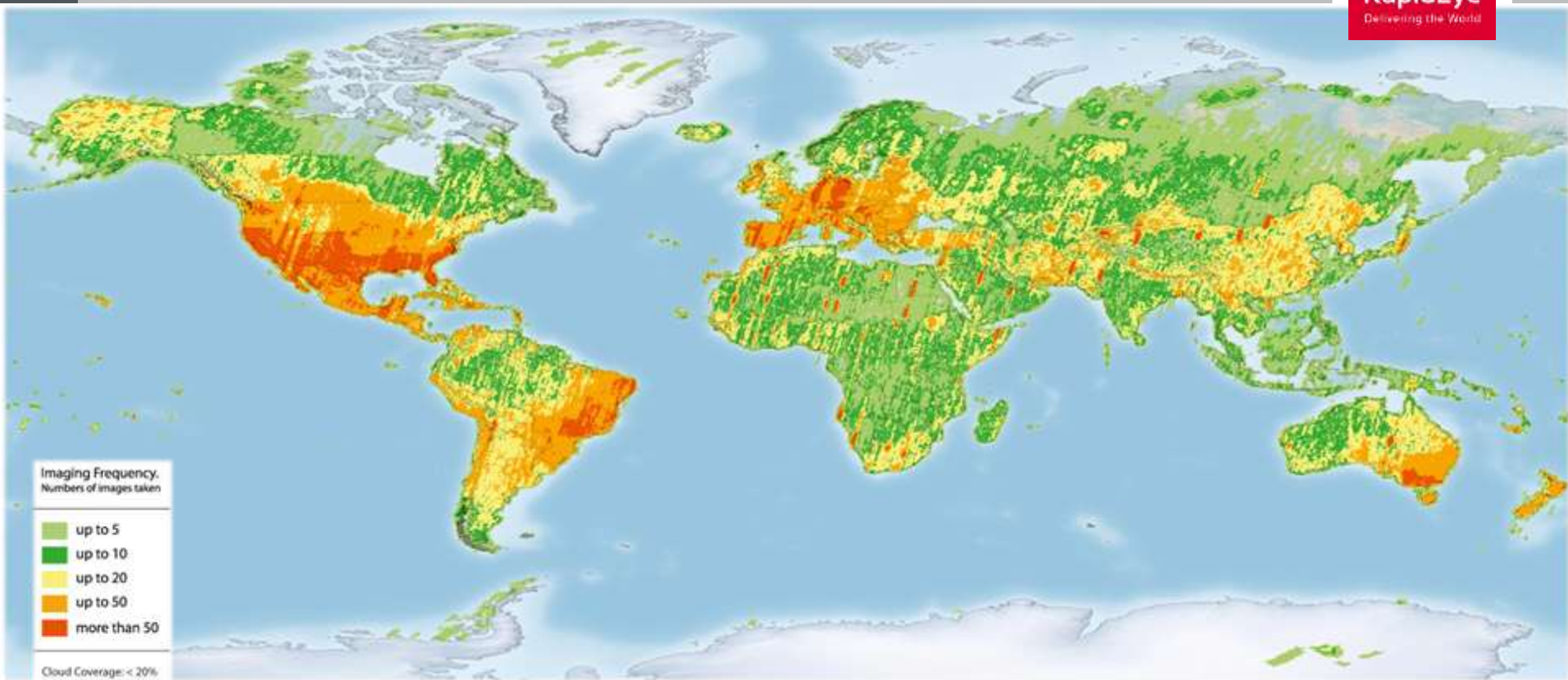


Rapideye global archive storage

(x 1 million km²)



Global coverage > 2009 to 2013



EyeFind

Online Archive Discovery Tool



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

eyefind.rapideye.com



Online Archive Discovery Tool

Session **Query** Resultset Layer Help About/Imprint

Basic Parameters

☐ Seasonal search

Start Date: 2012-02-28 End Date: 2012-03-29

Cloud Cover: 20 Black fill: 20

☒ Level 3A Products ☐ Level 1B Products

Area of Interest

☒ Political Boundaries ☐ RapidEye IDs ☐ File Upload

☐ Draw on map ☐ Coordinates

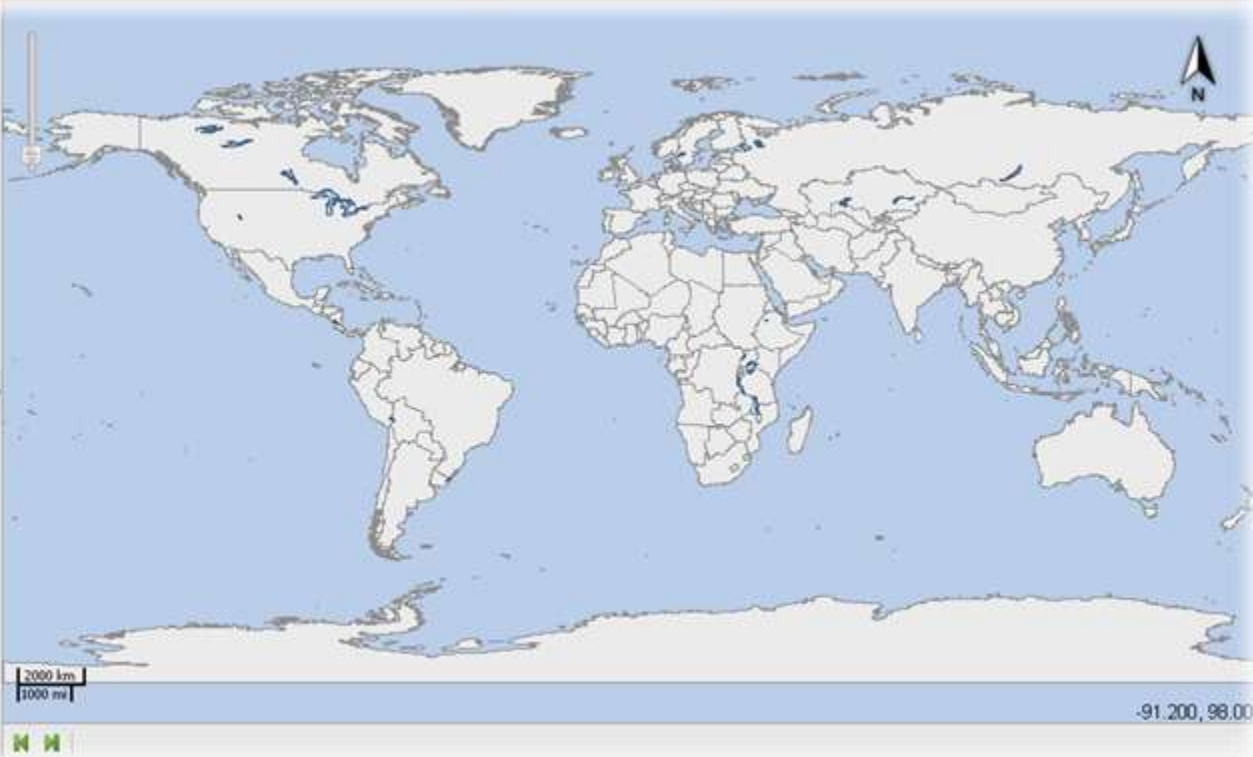
Political Boundaries

Select Country:

Select Region:

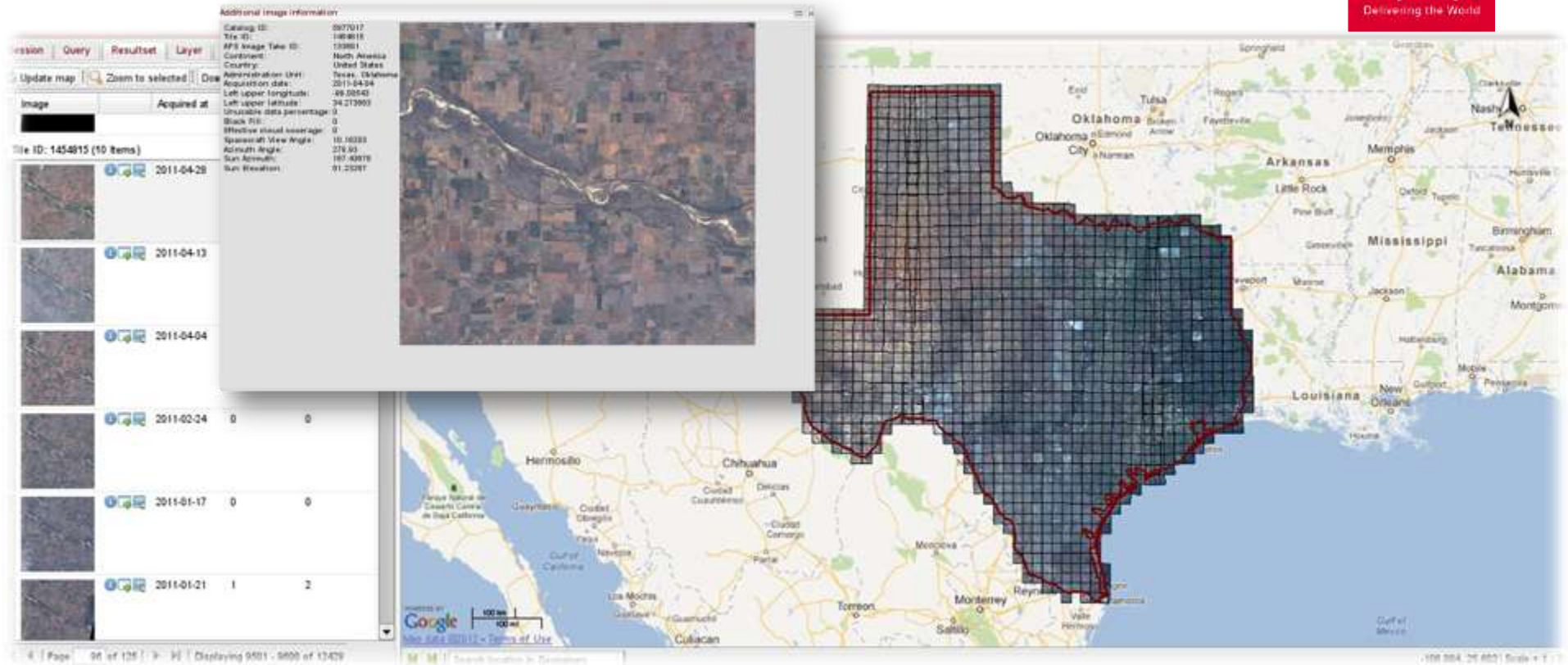
☐ Advanced Parameter

☐ Advanced Search Options



A world map with a light blue background and white landmasses. The map shows search results for the specified parameters, with blue dots indicating the locations of the data. The map includes a north arrow in the top right corner and a scale bar in the bottom left corner. The scale bar shows 2000 km and 1000 mi. The coordinates -91.200, 98.000 are displayed in the bottom right corner.

Search and retrieve information









The screenshot displays the RapidEye web interface. On the left, a sidebar shows a list of image thumbnails and their acquisition dates. The main area features a map of Texas with a grid overlay, indicating the search area. A pop-up window provides detailed information about the selected image.

Additional image information:

| Property | Value |
|-----------------------------|-----------------|
| Catalog ID: | 007017 |
| Title ID: | 1408018 |
| RPS Image Take ID: | 130951 |
| Continent: | North America |
| Country: | United States |
| Administration Unit: | Texas, Oklahoma |
| Acquisition date: | 2011-04-24 |
| Left upper longitude: | -99.59543 |
| Left upper latitude: | 34.213993 |
| Obtainable data percentage: | 0 |
| Block ID: | 0 |
| Effective visual coverage: | 0 |
| Spacecraft View Angle: | 10.16333 |
| Acquisition angle: | 278.93 |
| Sun Azimuth: | 167.49978 |
| Sun Elevation: | 91.25287 |

File ID: 1454815 (10 items)

| Image | Acquired at | 0 | 0 |
|---|-------------|---|---|
|  | 2011-04-28 | | |
|  | 2011-04-13 | | |
|  | 2011-04-04 | | |
|  | 2011-02-24 | 0 | 0 |
|  | 2011-01-17 | 0 | 0 |
|  | 2011-01-21 | 1 | 2 |

Page 66 of 126 | 36 | Displaying 9501 - 9600 of 13429

Scale: 1:1

Take home this message

5,000,000 km²

Daily collection capacity – the new industry benchmark

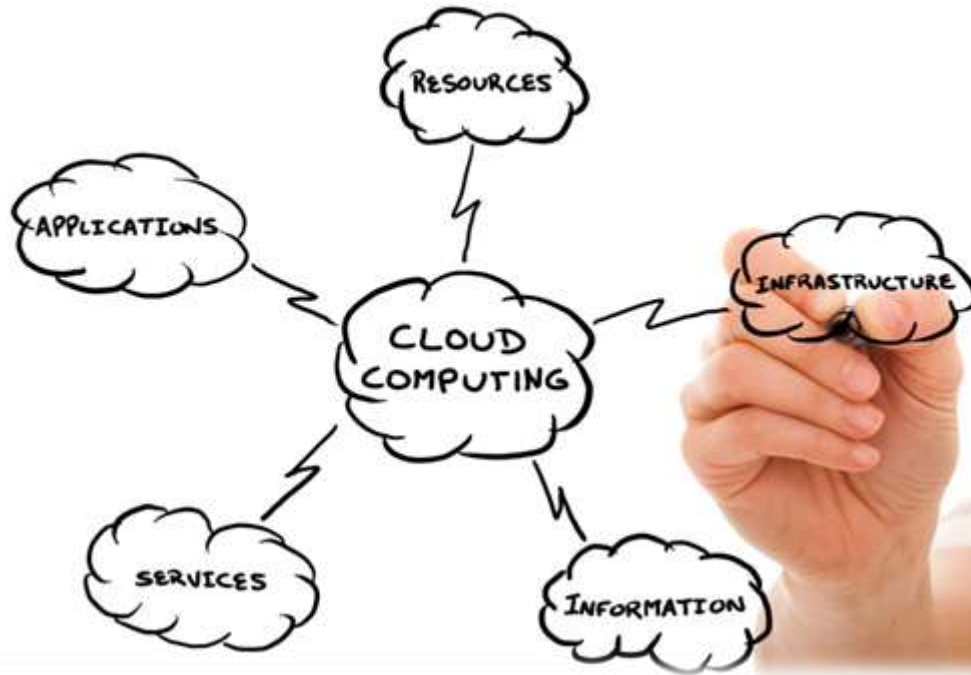
2019

Life extended until at least

Data Continuity

Focus for 2013

GeoCloud Services by BlackBridge





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

Secure and reliable virtual infrastructure

Industry leading high-availability VMWare clusters

vMotion migration and backup options

Choice of infrastructure specifications

Fast virtual machine provisioning

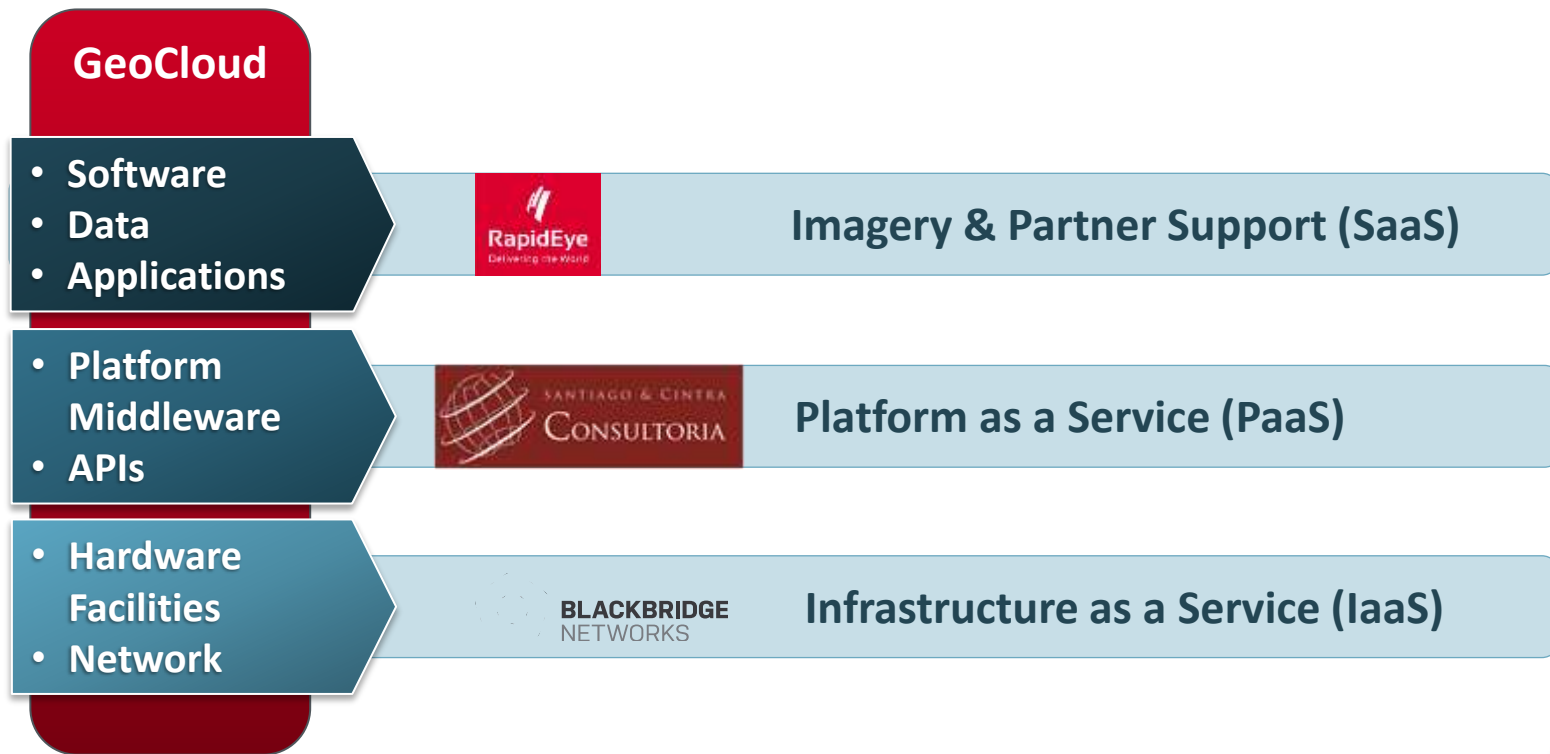
File-based bulk storage (SATA and SSD)

10 Gbps converged network

Reduced total cost of ownership



Geocloud strategy



Geocloud 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

EyeFind

Catalog REST API

WFS

Delivery

WMS

WMTS

KML

Processing

WPS

Models & Algorithms

Derived Products

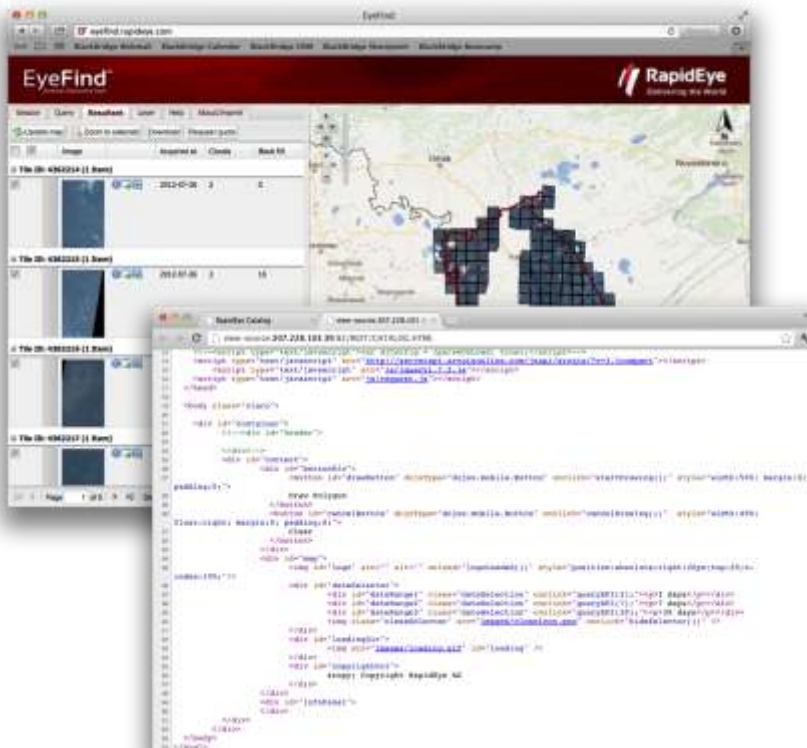
Discovery

Discovery

- EyeFind

- Catalog REST API

- WFS



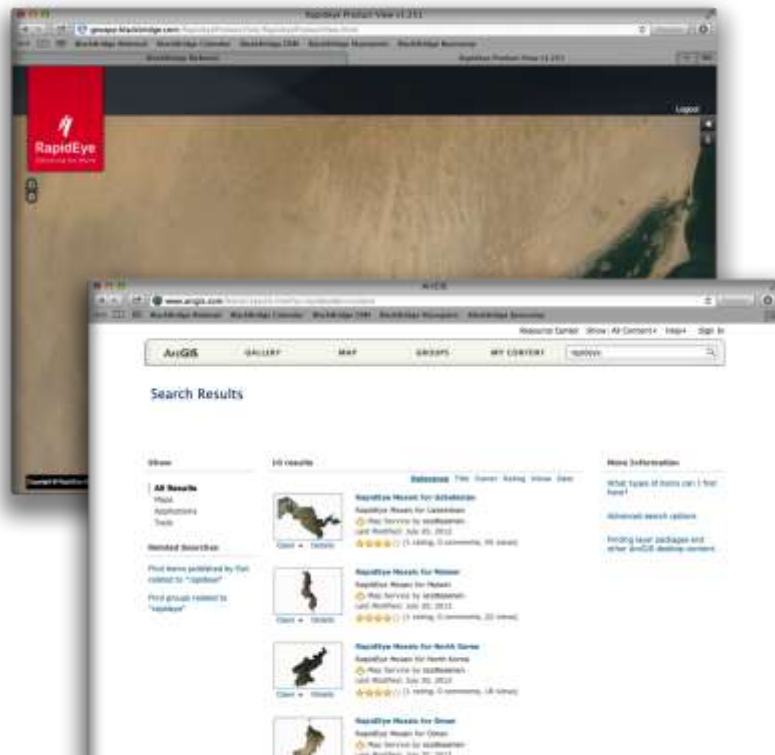
Delivery

Delivery

WMS

WMTS

KML



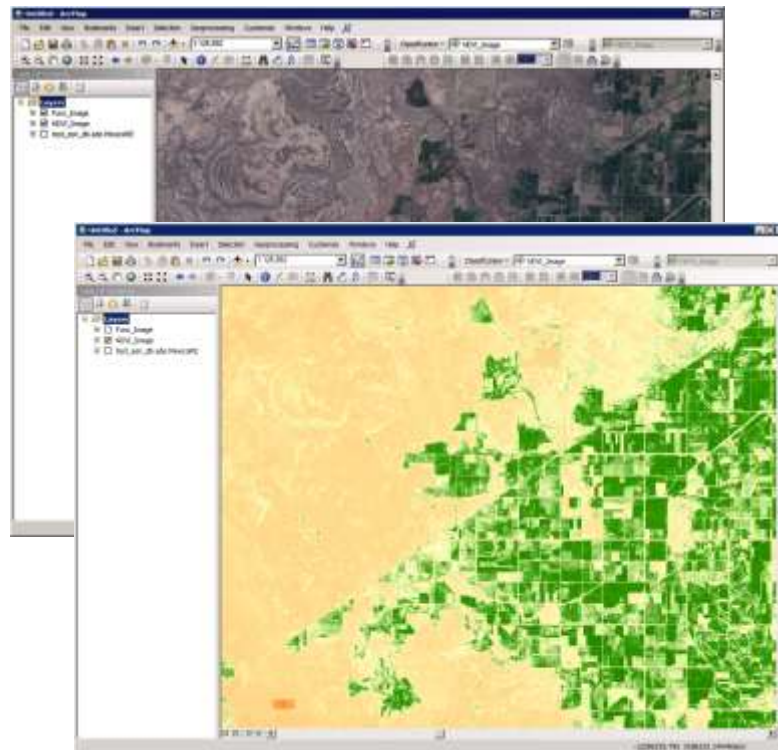
Processing

Processing

WPS

Models & Algorithms

Derived Products



Thank you very much



Mauricio Meira

Regional Manager, Latin America



Kurfürstendamm 22
10719 Berlin
Germany

email meira@rapideye.com
web www.rapideye.com

phone +49 30 609 8300 505
mobile +55 119 840 438 37

RapidEye :: Delivering the World

Germany | USA | Canada | Luxembourg

info@rapideye.com
www.rapideye.com



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:

