

GeoEye

Corporate Overview



About GeoEye

- GeoEye was formed as a result of ORBIMAGE's acquisition of Space Imaging in January 2006.
- GeoEye is **the world's largest commercial remote sensing company**, delivering the highest-quality, most accurate satellite imagery and products to better map, measure, monitor and manage the world.
- GeoEye has a constellation of remote-sensing satellites, an international network of regional ground stations, an advanced geospatial imagery processing capability and a robust image archive, all of which are unmatched in the industry.



GeoEye Mission

- We will be the premier provider of geospatial data, information and value-added products to the national security community, our strategic partners, and our commercial customers throughout the world. We will distinguish ourselves from our competitors by our quality, value, responsiveness, innovation and customer service.
- For our **customers**, we will provide the highest quality geospatial information, data, products and services to meet their diverse and changing needs.
- For our **stockholders**, we will create value by achieving sustainable growth and avoiding unnecessary expense.
- For our **employees**, we will provide a stimulating environment that encourages diversity and provides challenging assignments for professional achievement, reward and growth.

The Company

- Locations

Headquarters:	Dulles, Virginia
Operation Facilities:	Thornton, Colorado St. Louis, Missouri Norman, Oklahoma
No. of Employees:	300+

- Imagery from a diverse constellation of satellites

- IKONOS
- OrbView-2
- OrbView-3
- Indian Remote Sensing Satellites
- GeoEye-1 (Launch early 2007)

- Worldwide Network

- GeoEye has more than a dozen international regional ground stations
- Provides redundant operations for customers
- Global network of Regional Affiliates, Regional Distributors, and strategic channel partners



Company Summary

- Largest Commercial Satellite Imagery Archive in the World
 - OrbView-3 and IKONOS combined archive: 250 million sq km
 - Online search and ordering for archive imagery for fast turnaround
- Value-Added Production Facility
 - Fused images, digital elevation models (DEMs), land-use classification maps
 - World class facility in St. Louis, MO
- Imagery Applications
 - National security
 - Homeland defense
 - Emergency preparedness
 - Disaster recovery and assessment
 - Urban mapping
 - Local government planning
 - Natural resources and environmental monitoring

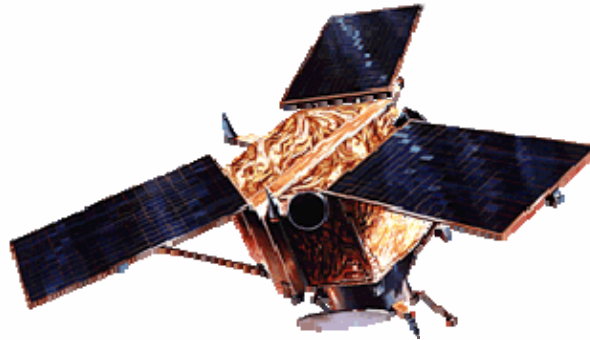
US Government Commitment

- The National Geospatial-Intelligence Agency (NGA) awarded GeoEye a \$36M contract in January 2006 for map-accurate, commercial satellite imagery
- As a strategic partner, NGA is funding the development of our next-generation, high-resolution imaging system
 - NextView contract value ~ \$500M
 - GeoEye-1 launch early 2007
- The US Government has invested \$1.5 billion in the commercial Remote Sensing industry

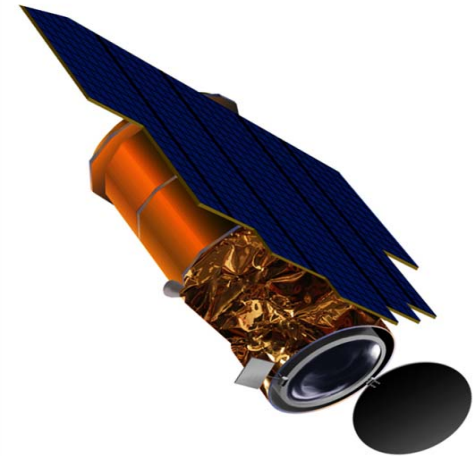
GeoEye Constellation



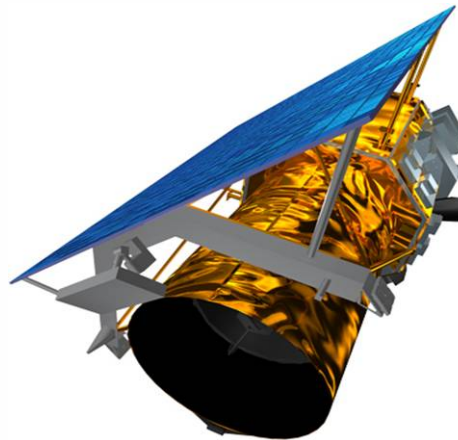
OrbView-2
August 1997



IKONOS
September 1999



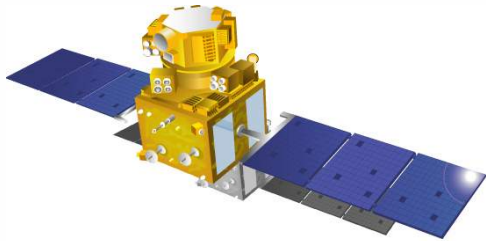
OrbView-3
June 2003



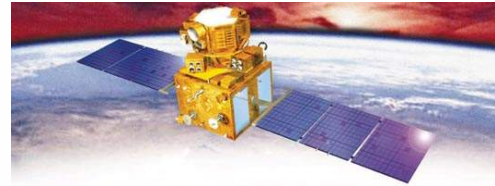
GeoEye-1
Spring 2007

Other Imaging Resources

Broad-Area Coverage



IRS Resourcesat 1D

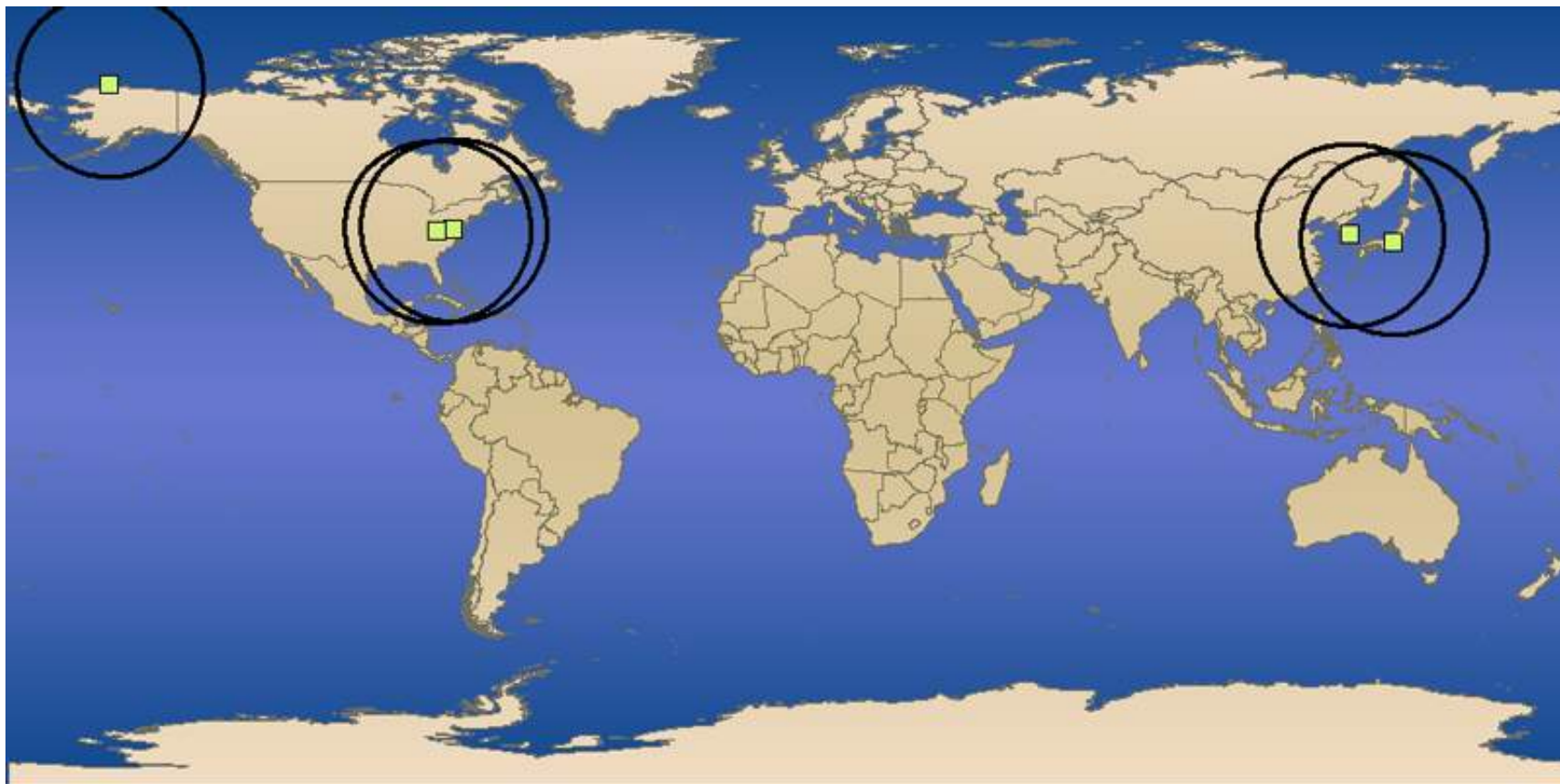


IRS Resourcesat (P6)

- GeoEye has agreements to market and distribute IRS (India's Remote Sensing) satellite products and ground stations outside of India
- The IRS satellites 1-C, 1-D, and RESOURCESAT-1 provide broad-area coverage useful for:
 - Vegetation-related applications
 - Environmental monitoring
 - Disaster assessments

OrbView-3 & OrbView-2

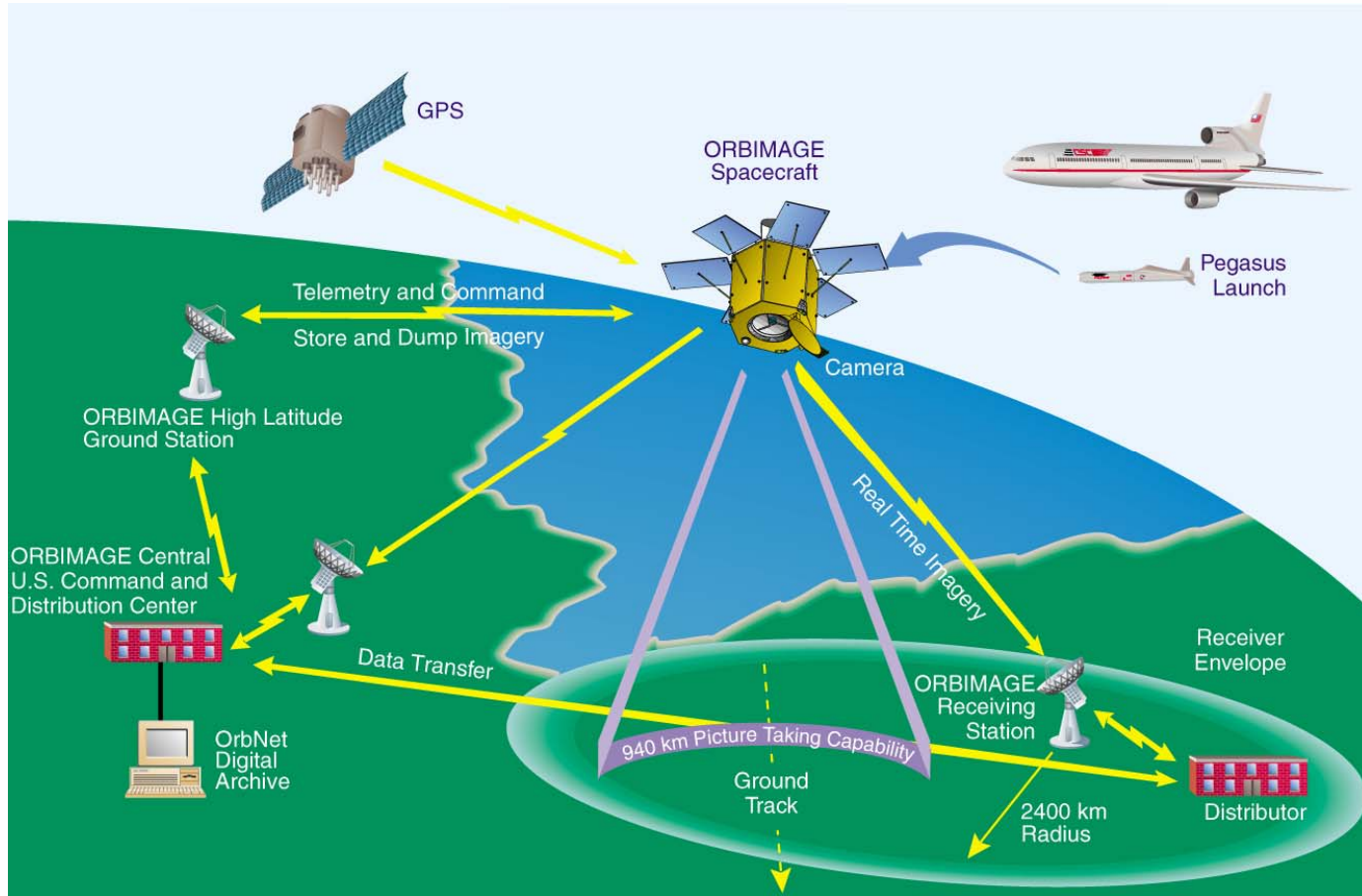
Ground Station Network



GeoEye has an expanded global footprint with access to an international network of ground stations



OrbView-3 System Architecture



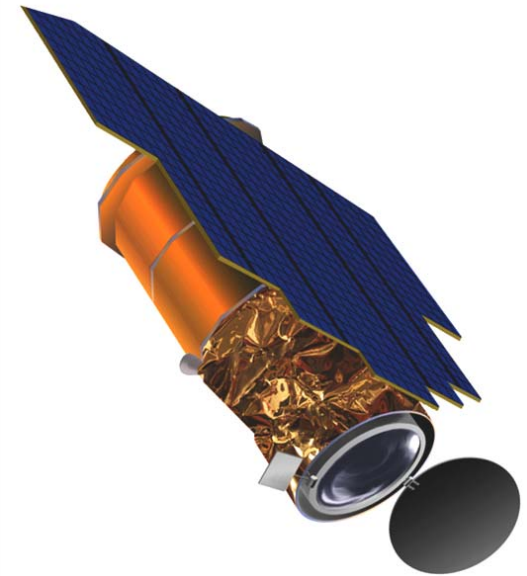
OrbView-3

- **Spectral Range**

- 1m Panchromatic: 450 – 900 nm
- 4m Multispectral:
 - 450 – 520 nm Blue
 - 520 – 600 nm Green
 - 625 – 695 nm Red
 - 760 – 900 nm NIR

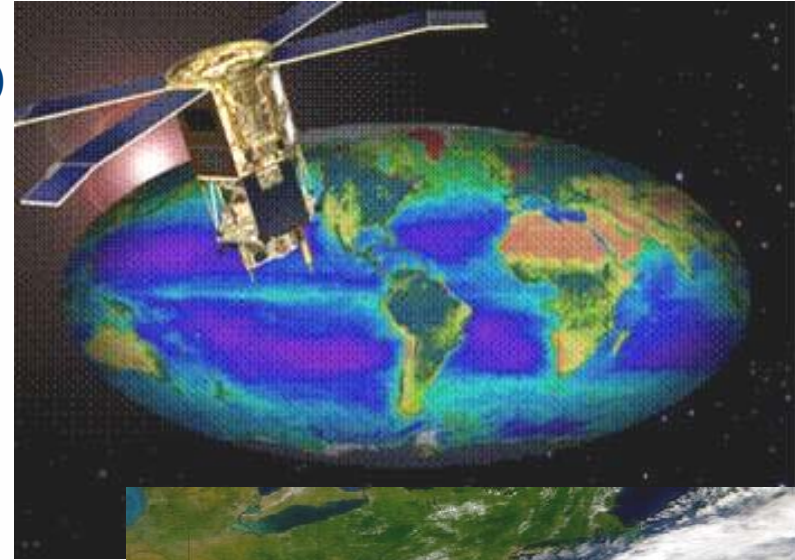
- **Geospatial Mapping Characteristics**

- High Accuracy GPS Satellite Positioning
 - Dual Stellar Sensors
 - Precision Gyro System
 - East-West, North-South Scanning
 - Mono, Stereo Capable
 - Pan or MS, not simultaneous
- Mission Life: 5 years (Fuel >7 Years)
 - Orbit: 97° Sun Sync at 10:30 a.m., 470 km
 - Revisit Time: <3 Days



OrbView-2

- Capabilities
 - Imaging Mode - Multispectral (Color)
 - Color Bands - 8
 - Spatial Resolution - 1 km
 - Swath Width - 2,800 km
 - Revisit Time - 1 day
 - Orbital Altitude - 705 km (423 mi)
 - Expected Life - 10 years
- Operations
 - Approaching 7-years in orbit
 - In-service availability >99%
 - Operated by equivalent staff of 2
 - Mission planning twice per week



IKONOS

Ground Station Network

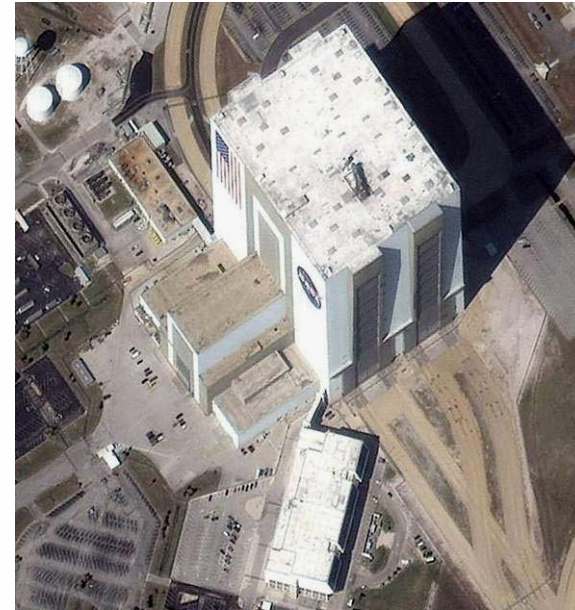


GeoEye has an expanded global footprint with access to an international network of ground stations

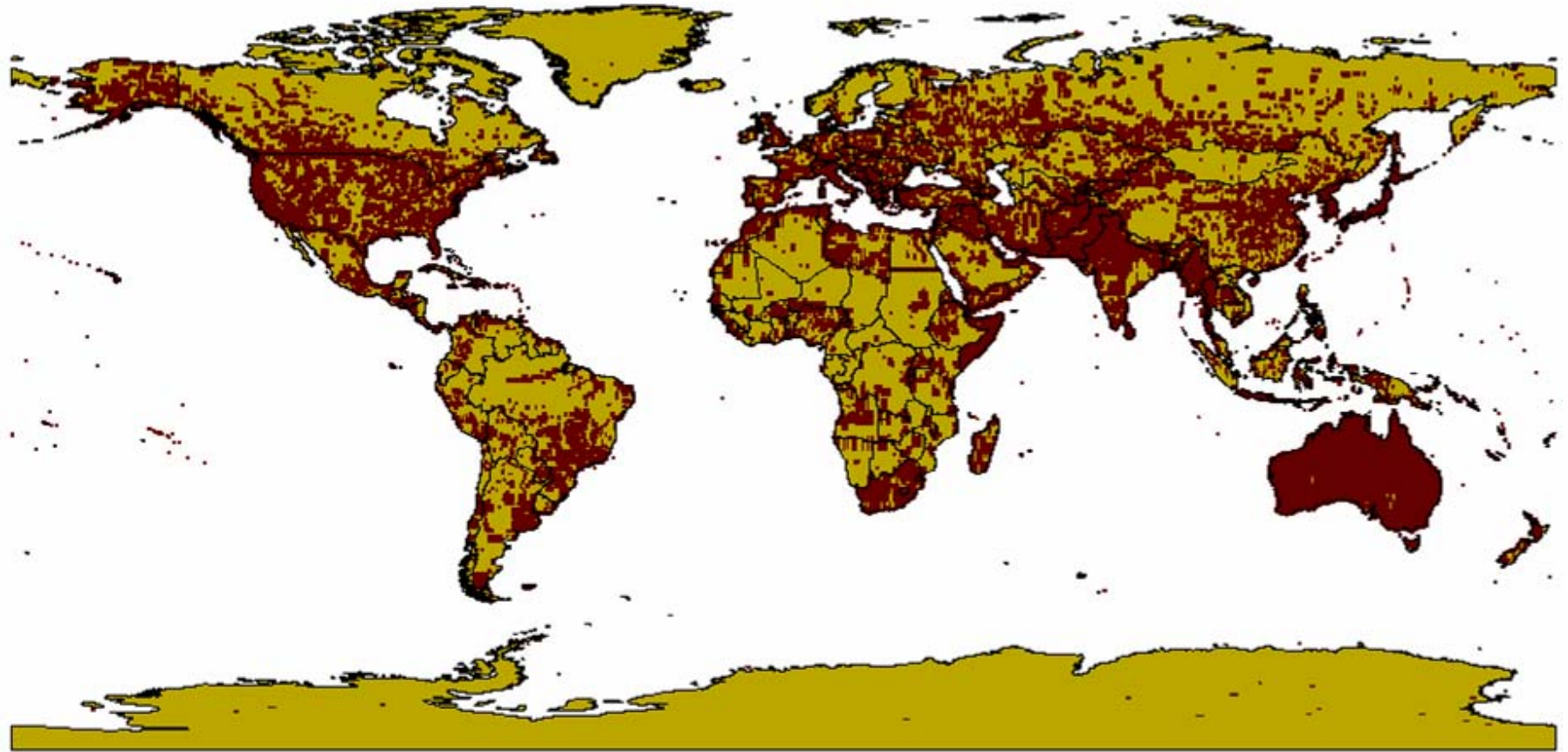


IKONOS

- Launched in 1999
- Sun-synchronous orbit, 14 times a day, every 98-minutes
- 423 miles above the Earth
- Revisit time: Every 3 days
- Imagery Products
 - 1-meter panchromatic
 - 4-meter multispectral
 - 1-meter color
 - 1 and 4-meter data bundle
 - 8-bit or 11-bit formats



Largest Image Archive in the World



OrbView-3 and IKONOS archive with over 250 million sq km of imagery

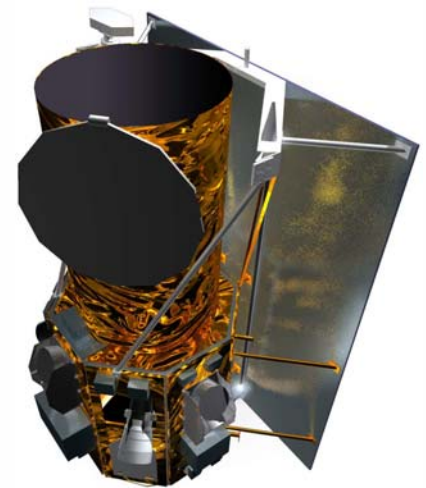


GeoEye-1

Our Next-Generation Satellite

- **Launch Scheduled for Spring 2007 with 7+ Year Design Life**
- **GeoEye-1 Incorporates Next Generation Technology with Proven IKONOS and OrbView-3 Architecture**
 - Simultaneous 0.41 meters Panchromatic and 1.64 meter Multispectral Imagery
 - Geolocation: <3m Accuracy – Best Possible for any Remote Sensing Satellite
- **Ground Infrastructure Already in Place**
- **Collect up to 700,000 sq km/day (size of Texas)**

Most Advanced
Commercial Remote
Sensing System in
the World



G040533-002

Best-In-Class Development Team



- **GeoEye**
 - 16+ years Providing Proven End-to-End Products, Solutions, and Services
- **General Dynamics/C4 Systems** (formerly Spectrum Astro, Inc.)
 - 100% Mission Success Rate—Technically Compliant, On Time, On Budget
 - GeoEye-1 Heritage—Coriolis, Swift Gamma-Ray Observatory
- **ITT Industries/Eastman Kodak**
 - 40 Years of Space Heritage with 100% Mission Success
- **Boeing Delta II**
 - More Than 98% Success Rate; 57 Consecutive Successes
- **MacDonald, Dettwiler and Associates Ltd.**
 - Proven Experience Developing GeoEye's and Our Regional Partners Ground Segments
- **Orbit Logic**
 - Leading Provider of Collection Planning Tools and Systems, Developed Collection Planning System for OrbView-3
- **Kongsberg Satellite Services**
 - Provides and Operates World-class Ground Stations



Highest Performance Available In The Commercial Market

Performance	GeoEye-1
Image Quality	
Bands	1-Panchromatic Band 4-Multispectral Bands
Best PAN NIIRS	5.5
PAN GSD at Nadir	0.41m
MSI GSD at Nadir	1.65m
Collection Capacity	
Swath Width @ Nadir	15.2 km
Daily PAN Mono Area (sqkm)	750,000
Daily PAN Mono Number of Points	520 - 2400
Geolocation	
CE90 Mono Accuracy (No Ground Control)	< 3m
Orbit	
Altitude (km)	684 km
	Circular sun sync
Equator Crossing	10:30 AM



**Meets a Large % of
Area Collection Need**



**Ideal for Area Collection
(e.g., Mapping, Charting
and Geodesy Search)**



**Best Available with
No Ground Control**



**Capacity Over
Land Optimized**

Key Themes

- The commercial remote sensing industry is stable and backed by Wall Street
- The U.S. Government alone has committed \$1.5 billion into this industry
- GeoEye customers will have assured access to commercial imagery into the 2015 timeframe with systems that are reliable, robust and redundant
- Operating two high-resolution satellites provides more frequent visits over an area -- collaborative tasking
- GeoEye has a skilled and seasoned talent pool with broad subject matter expertise