Orbital Insight

Understand What Is Happening On And To The Earth

Drive more informed decisions for your organization's revenue, operations and policies with trusted geospatial data.

- 24/7 SAR Coverage
- 800 Million+ IoT Devices
- Global Shipping (AIS) Data
- Millions of Autonomous Vehicles
- Daily Optical Satellite Imagery

Orbital Insight GO

Combine the **world's sensors** with AI and Machine Learning to **analyze economic, societal**, and **environmental trends** at scale.

Make Better Investment and Policy Decisions with Orbital Insight

Objectivity
Access trusted empirical observational measurements

Speed
Track global trends at the speed of change

Transparency
Gain full visibility into your area of interest

The Product

The world's business and policy decision-makers need the best data about the world around them. That's why we designed our platform with the versatility to answer your specific question. By analyzing the world in near real-time, our geospatial platform, Orbital Insight **GO**, is able to provide mission-critical data exactly when and where you need it.

Orbital Insight GO
Geospatial analytics — anywhere, anytime

GO pulls in multiple sources of raw geospatial data from the world's sensors — including satellite, aerial, AIS, and IoT devices — combined with AI and Machine Learning to analyze economic, societal, and environmental trends at scale.

Questions Answered by GO

How much oil is stored in Iran?

What is the trade area of my real estate portfolio?

How many aircraft are deployed across Russia?

Is my supply chain sourcing sustainably?

Where are the new roads in China?

Gain a Multi-Source Advantage

GO analyzes a variety of complementary datasets, yielding previously inaccessible insights with a 360-degree view.

See the Big Picture

Orbital Insight contextualizes petabytes of raw data at scale, allowing its clients to unlock trends at a global scale.

Analyze at the Speed of Change

Get the clearest and most current view into what is happening on and to the Earth with a decisive time advantage.

> *"The ability to sharpen a view, or to really gain an edge, based not on anecdotal but more statistically significant signals, is extremely advantageous. There is an information asymmetry in the energy market and Orbital's product lifts the hoof and evens the playing field."*
>
> *— Michael Tran, Managing Director, Global Energy Strategy*

RBC Capital Markets

Geospatial Use Cases & Applications

Commodities
- Oil Inventories
- Facility Maintenance Monitoring
- Oil Demand Indicators
- Gas Station Traffic
- Mining Pit and Facility Expansion

Real Estate
- Property Analysis
- Property Demographics
- Customer Loyalty
- Trade Area Modeling
- Opportunity Zone Investing
- Housing Development Monitoring

Consumer Packaged Goods
- Production Monitoring
- Supply Chain Traceability
- Supply Chain Sustainability

Defense and Military
- Military Airbase Activity
- Border and Checkpoint Monitoring
- Infrastructure Change
- Foundation Mapping
- Battle Damage Assessment on Terrain
- Port Monitoring
- Data Annotation

Federal & Local Government
- Airport Traffic
- Economic Development Indicators
- Road Development
- Illicit Trafficking
- Border Monitoring
- Placement of Public Services
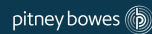
NGO
- Deforestation
- Road Mapping

Data Sources

Source	Algorithms	Coverage	Revisit (per-asset)
Satellite (optical, 30-50cm)	• Object counting (cars, trucks, planes, ships, housing)	Global	1-3 months (Varies)
Satellite (optical, 3-5m)	• Land-use/Infrastructure Change • Ships	Global	3 times per week
Satellite (optical, 1.5m)	• Land-use/Infrastructure Change	Global	Approximately Monthly
Geolocation (cellphone GPS)	• # Device • Anomaly detection • Home location • Cross-AOI	Global ex-EU, China	Daily, but available 4 days after collection
AIS (ship GPS)	• # ships • Tonnage	Global	Real-time
Satellite (infrared, 20m)	• Hotspots	Global	Weekly
SAR (Multiple resolutions)	• FRT Oil Tanks • Ships • Fill % cars in parking lots • Fill % shipping containers at ports	Global	Weekly Tasking available

" *It gives us clarity that has never been available before. If this system had been in place in 2008, you would have known there was an abundance of housing inventory very quickly"*

– Jeff Meyers, CEO

Meyers RESEARCH

Boston

New York

Washington DC

Palo Alto

London

Tokyo

Singapore