MAXAR

New Horizons in the Geospatial Industry

November 2019

One Maxar

- We have officially integrated our business units into Maxar, a U.S. company.*
- Our organization has more than 60 years of experience in **geospatial information and analytics**, **satellite technology,** and **space systems**.
- Aligning our rich expertise, innovative technologies, and legacy of serving customer missions allows us to better serve the complex needs of our customers and partners—all with a leaner, more agile business structure.

MAXAR

SSL · DigitalGlobe · radiant SOLUTIONS · MDA

**MDA remains an independent business unit with unique requirements, including security and compliance obligations, for its work in the Canadian government and as a Merchant Supplier to the international satellite and space community.*

Maxar is a trusted mission partner with the world's largest consumers of Earth intelligence and space infrastructure.

As a global leader of advanced geospatial and space-based technology solutions, we unlock the promise of space for government and commercial markets, with decades of experience developing and sustaining infrastructure.

By collecting and moving data from space through data processing and analytics platforms, we reveal insights about our changing planet where and when it matters for our customers.

- $2.14B in FY18 revenues
- 5,900 employees
- More than 30 locations
- Customers in more than 70 countries

MAXAR

Innovation and agility across government & commercial markets

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Integrated solutions for complex challenges

Maxar simplifies access to critical information about our changing planet, empowering customers to answer complex questions that impact environments, economies, and lives.

Space platforms

Ground systems

Information layers

Analytics

Robotics

Satellite imagery

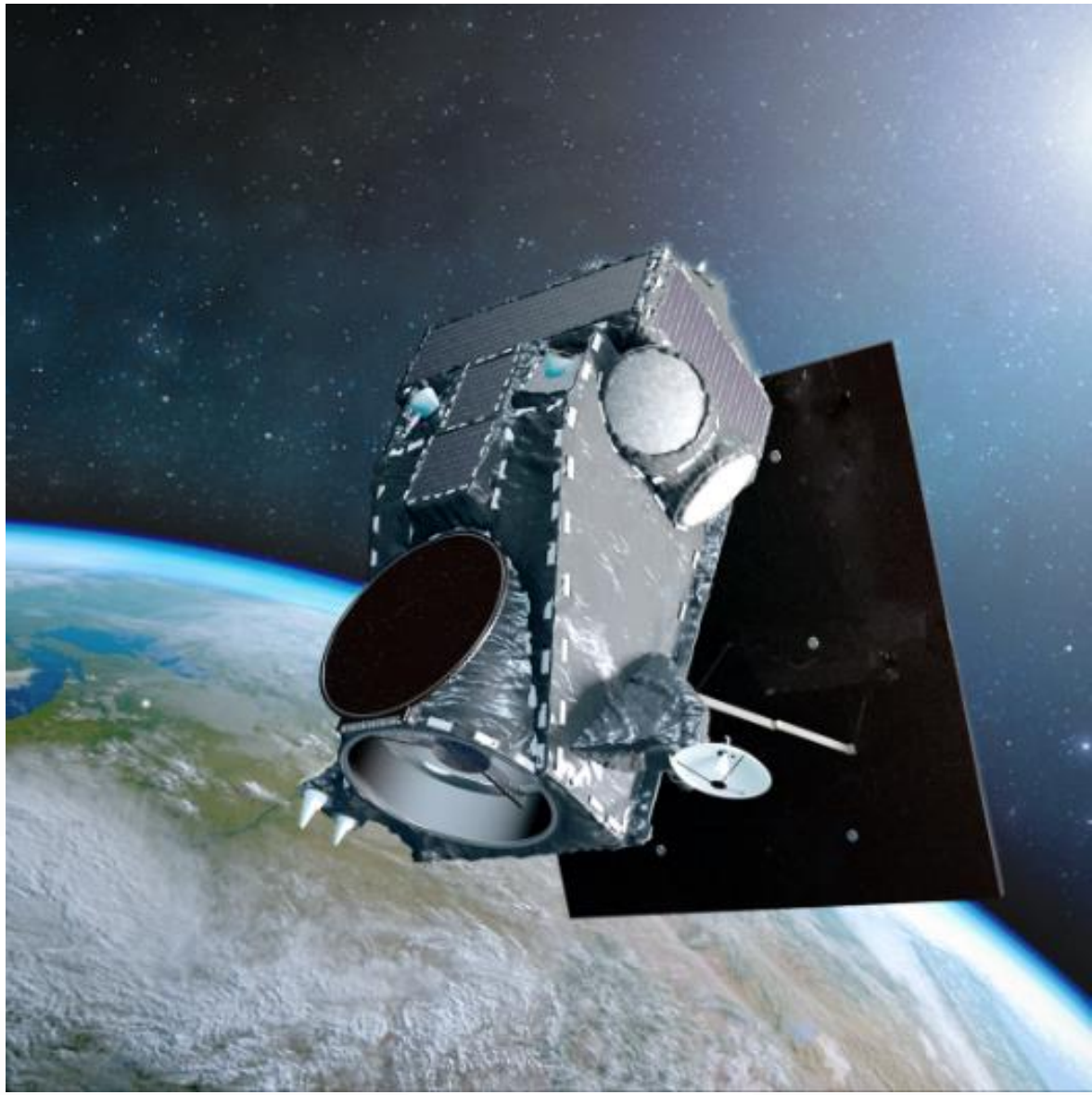
Expertise

Direct & online access

Space platforms

Advanced spacecraft manufacturing for Earth observation, exploration and communications satellites.

- High-volume production model
- Innovative, agile approach
- Standardized product line
- Commercial mindset
- Resilient constellations
- Mission assurance programs



More GEO satellites currently on orbit than any other manufacturer

90	GEO satellites on orbit
99.99	Percent on-orbit availability
280	Satellites built & launched
2,200	Years of on-orbit experience

Satellite product lines

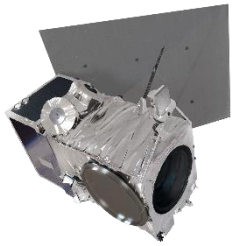
1300-Class

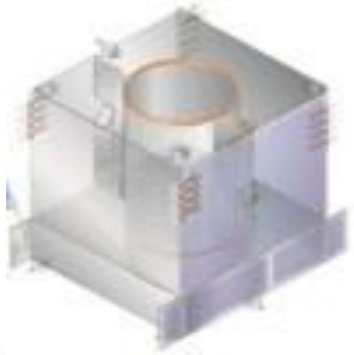
175” Cylinder + Extensions

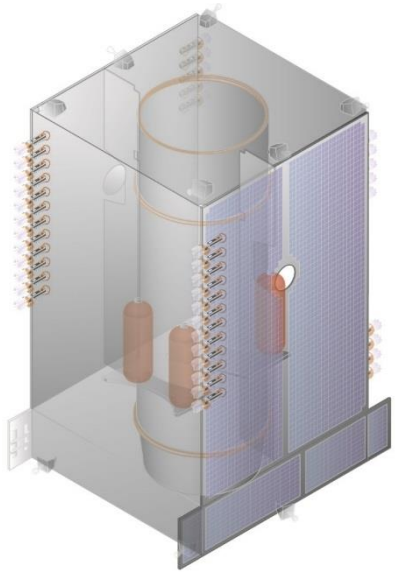
500-Class

Dual Launch or Single Launch

102” Cylinder
Dual Launch or Single Launch







Power:	1 kW	5–9 kW	15–30 kW
Dry Mass:	700 kg	1300–2400 kg	3200–4200 kg

Modular bus enables full range of scalability

1300- and Legion-class buses are ideally suited for a range of missions for both government and commercial missions.

- Modular and scalable to higher power and more payload capacity
- Small to large products (20 W to 20+ kW payload power)
- All leverage qualified processes & supply chain management building blocks

Ground systems

- Antennas and ground stations for multi-sensor satellite communication and control at customer sites
- Tactical ground support and defense systems

MDA, part of Maxar, has the largest installed base of Earth observation systems.

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Robotics

Nimble space robotics and mechanisms for exploration, space infrastructure, satellite servicing and autonomous operations

Maxar built every robotic arm used on the surface of Mars.

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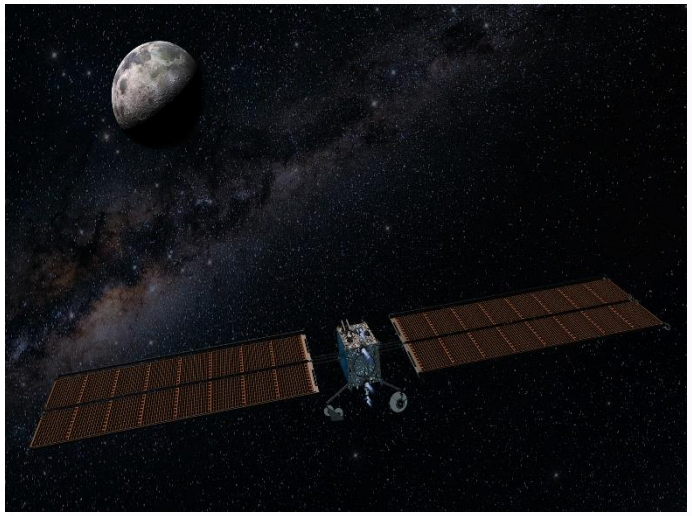
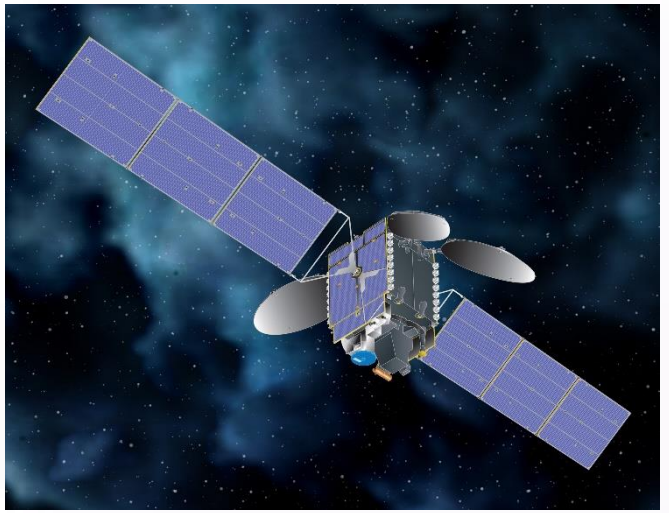


Power and Propulsion Element: Exploration

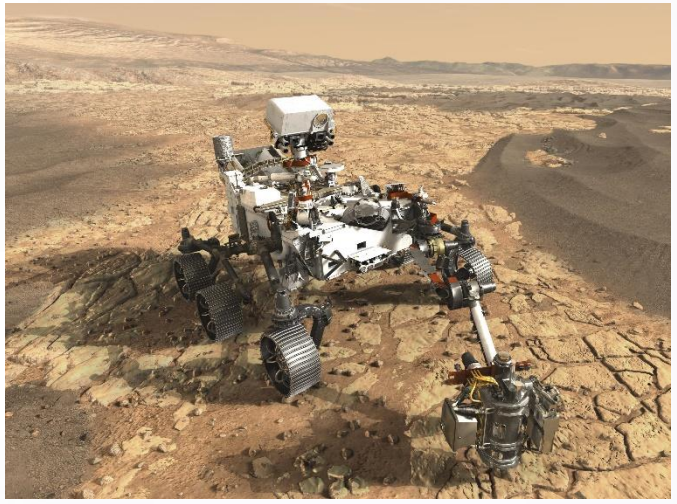
Dragonfly: Robotic On-orbit assembly



TEMPO: Pollution monitoring hosted payload

Restore-L: On-orbit servicing

Psyche: Exploring an all-metal asteroid



Mars 2020 Rover: Robotic arm for sampling

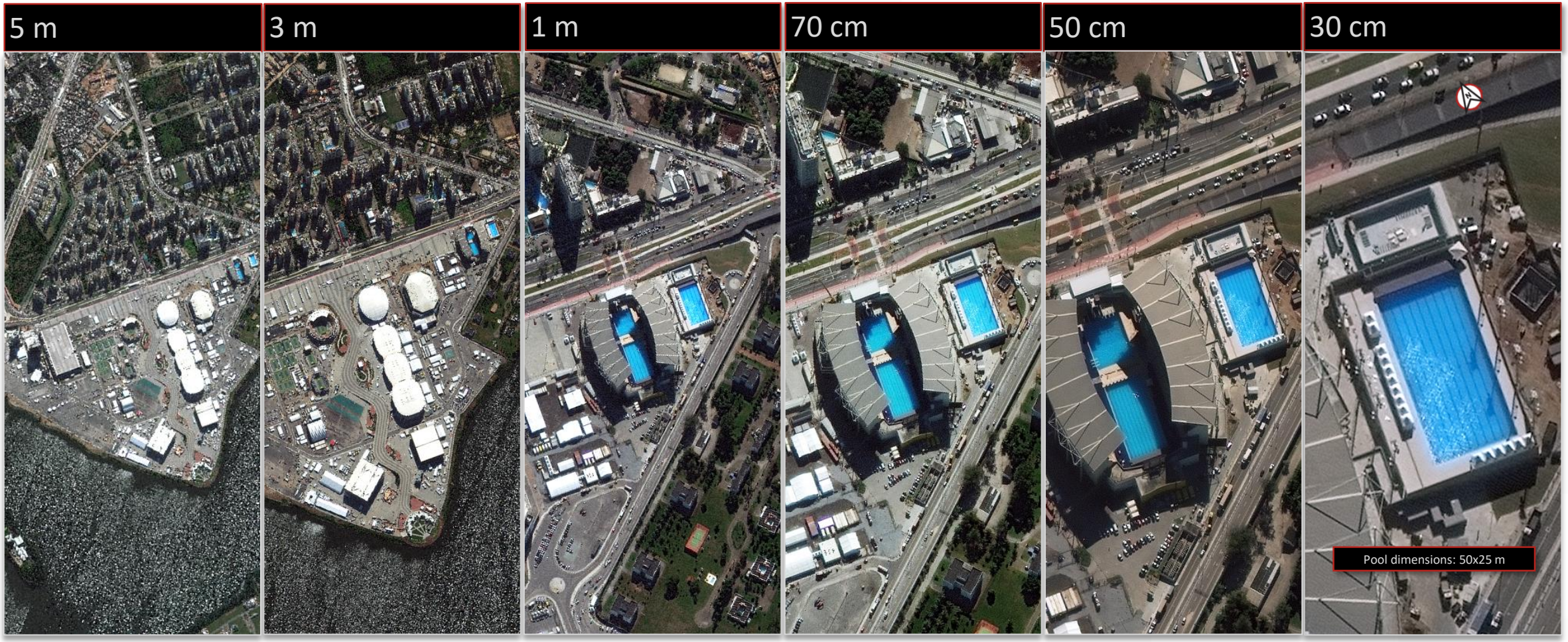
Satellite imagery

Optical and radar satellite imagery with diversity in temporal, spectral, and spatial resolution, plus unparalleled accuracy.

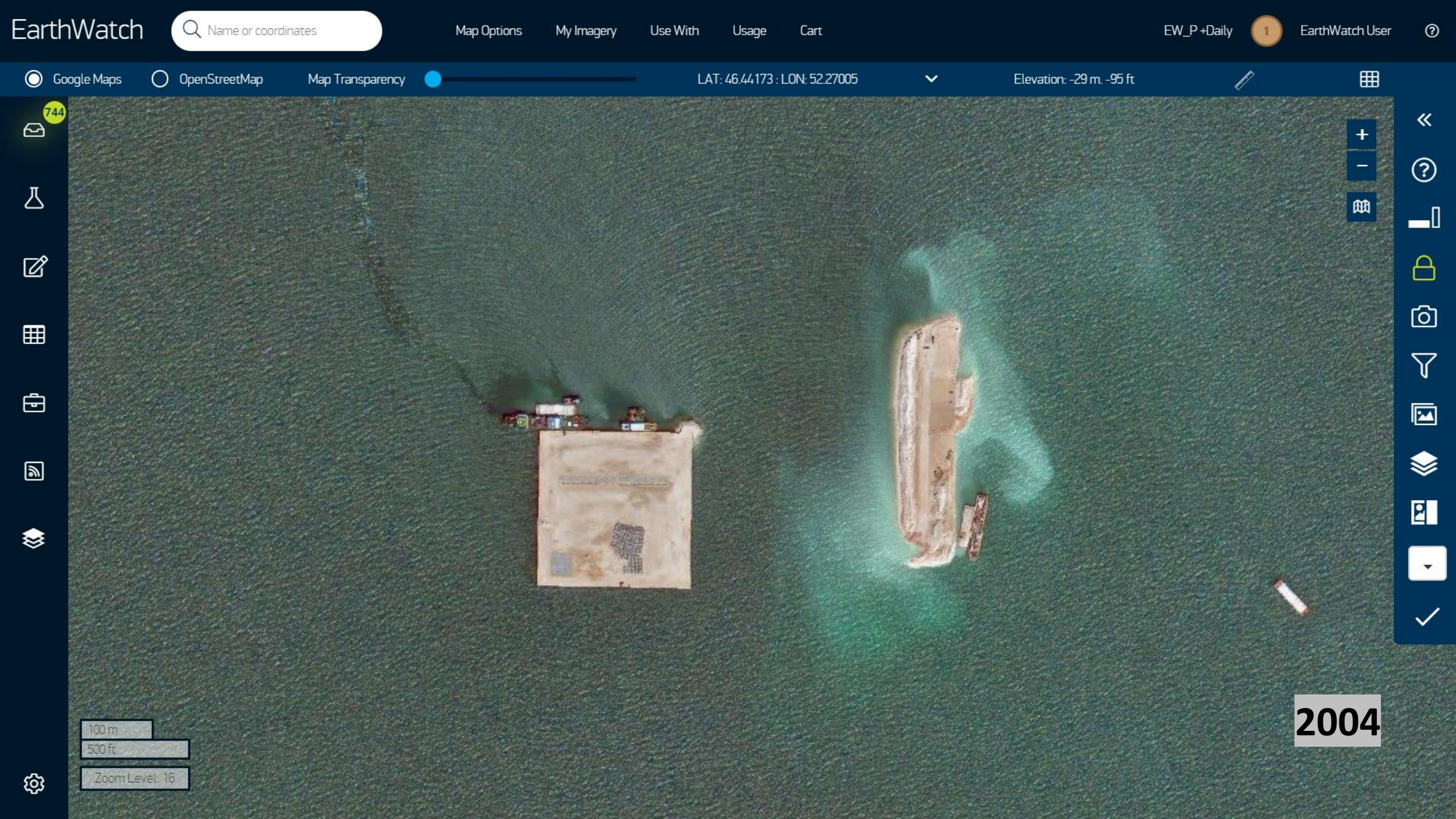
- Native 30 cm resolution for industry leading clarity and information density
- Advanced multispectral capabilities see beyond what's visible to the human eye
- Time-lapse data library dates back to 1999, creating a living digital inventory of change on the Earth's surface

Superior Resolution

Higher resolution = More Information



Maria Lenk Aquatics Center | Rio De Janeiro | July 5, 2016 | WorldView-3 | Image and Metadata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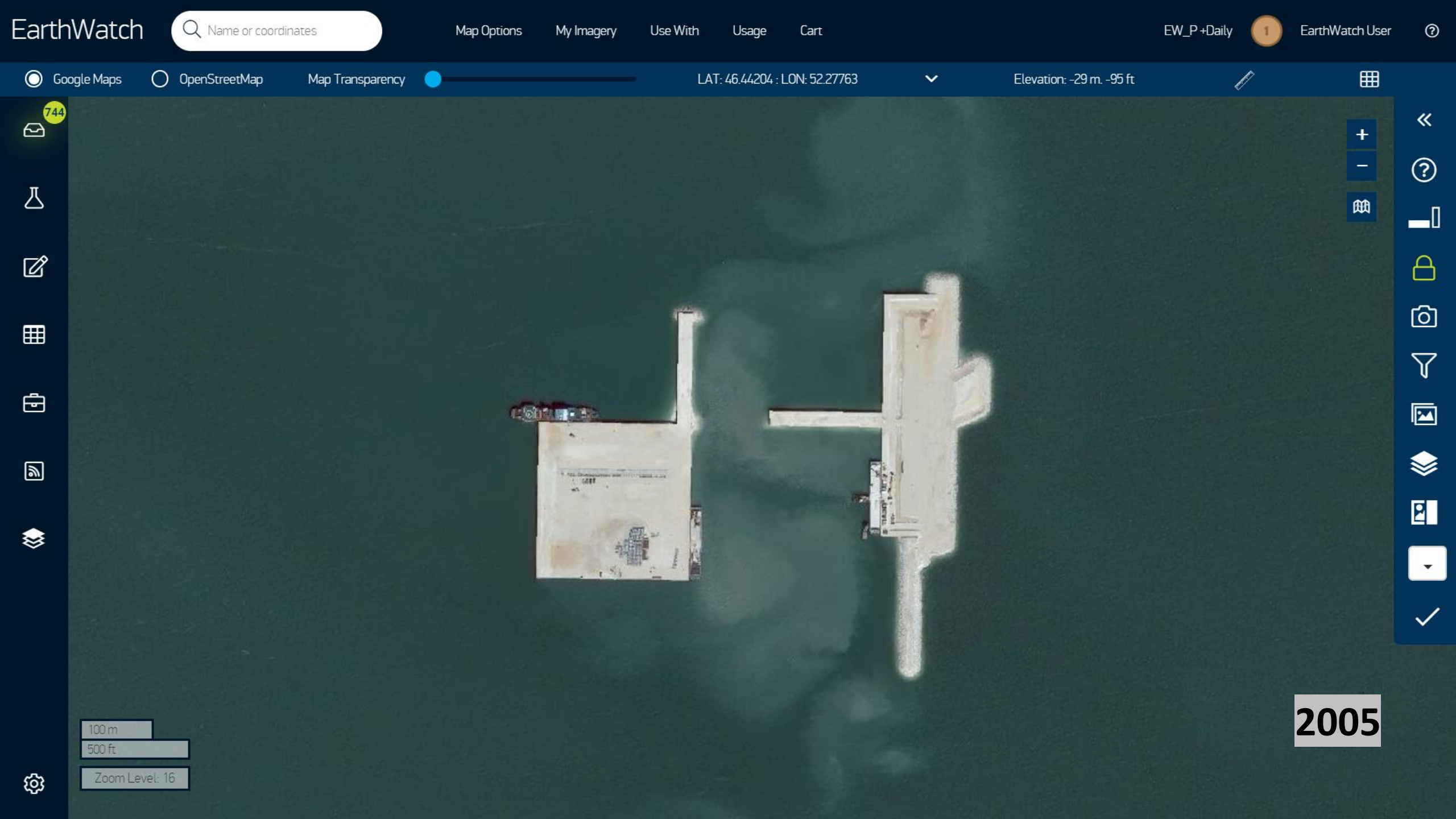
100 m
500 ft
Zoom Level: 16
2004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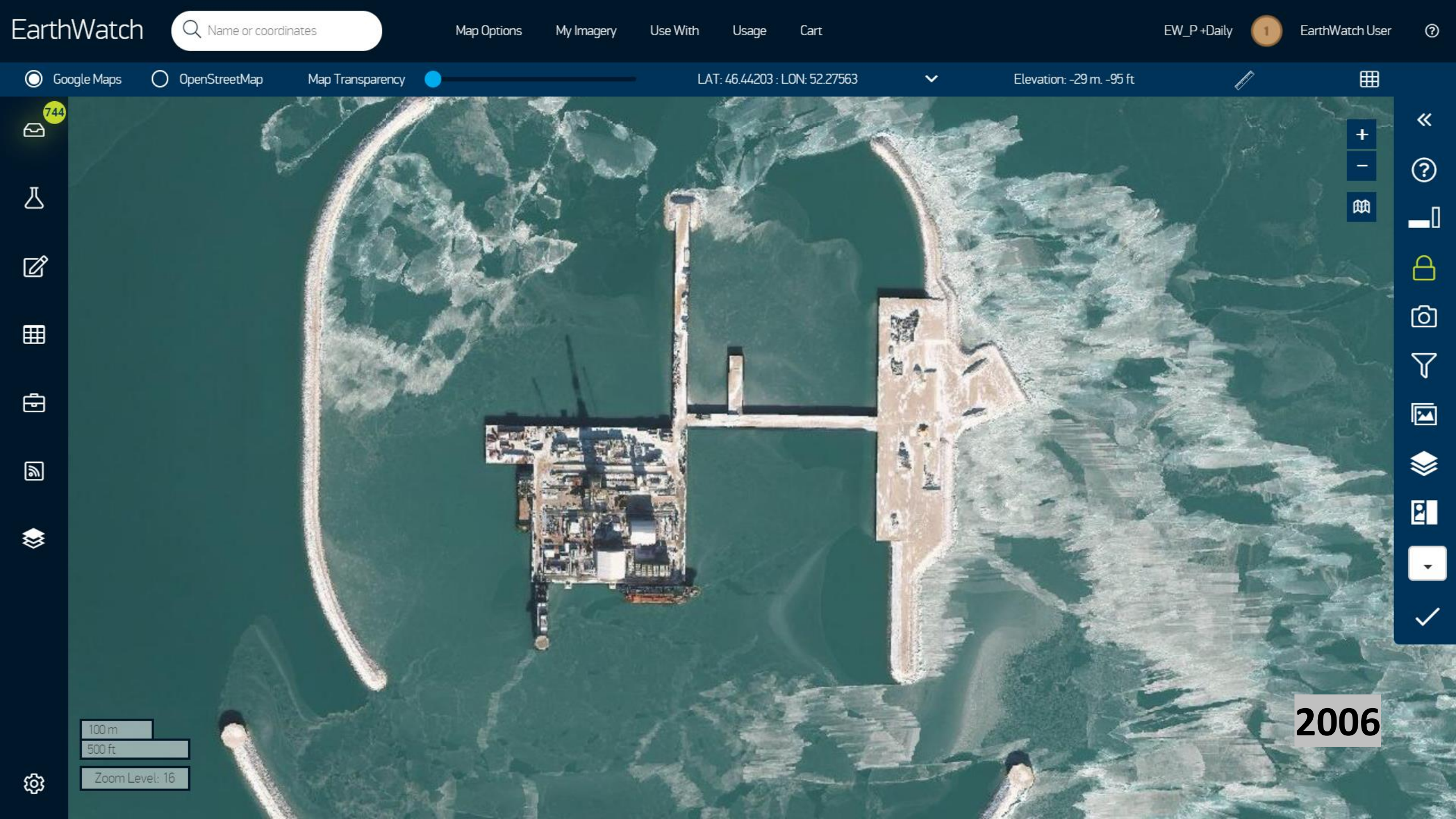
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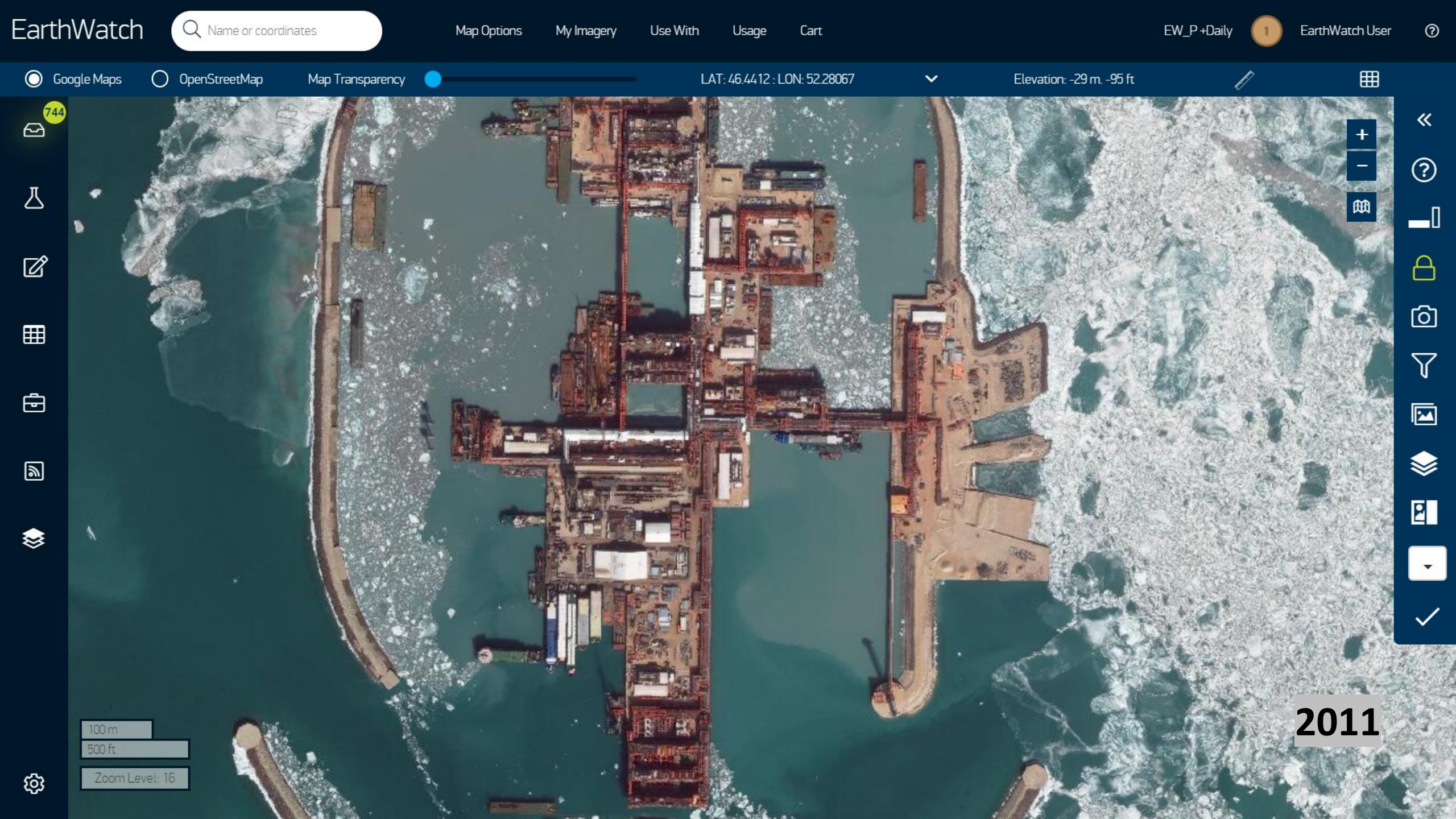
2006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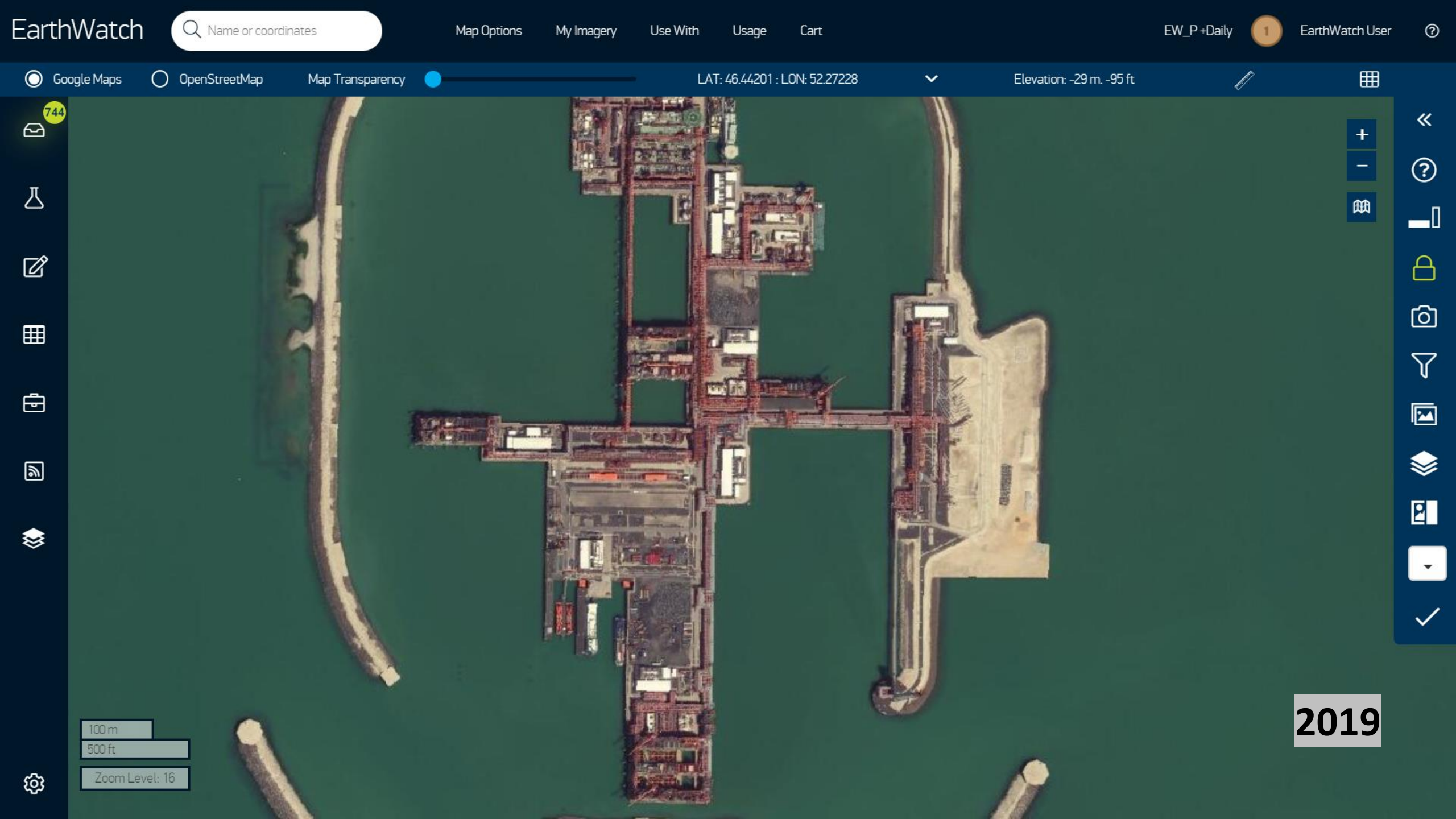
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100 m
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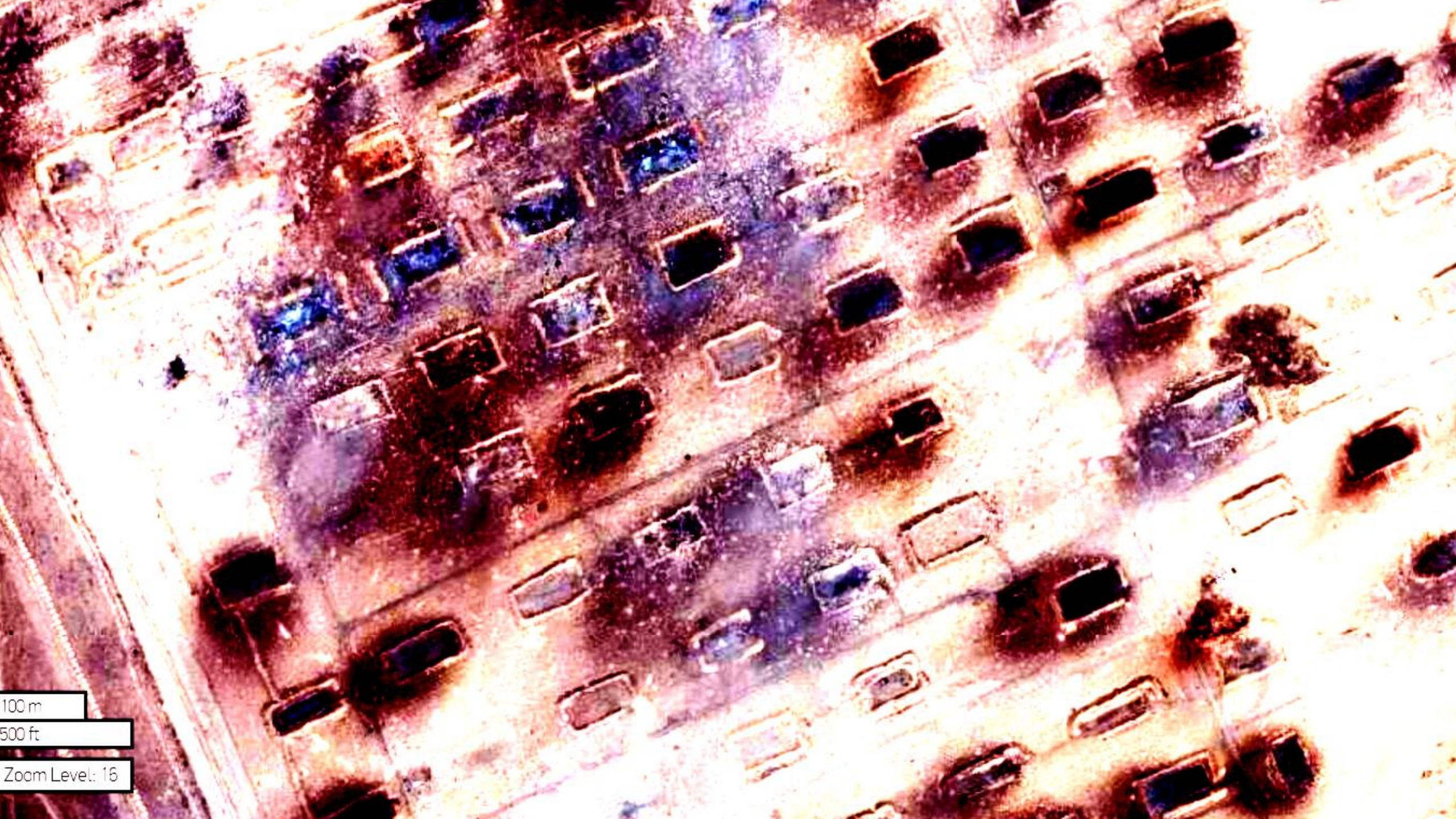
Zoom Level: 16
2019


100 m
500 ft
Zoom Level: 16


0 m
0 ft
oom Level: 16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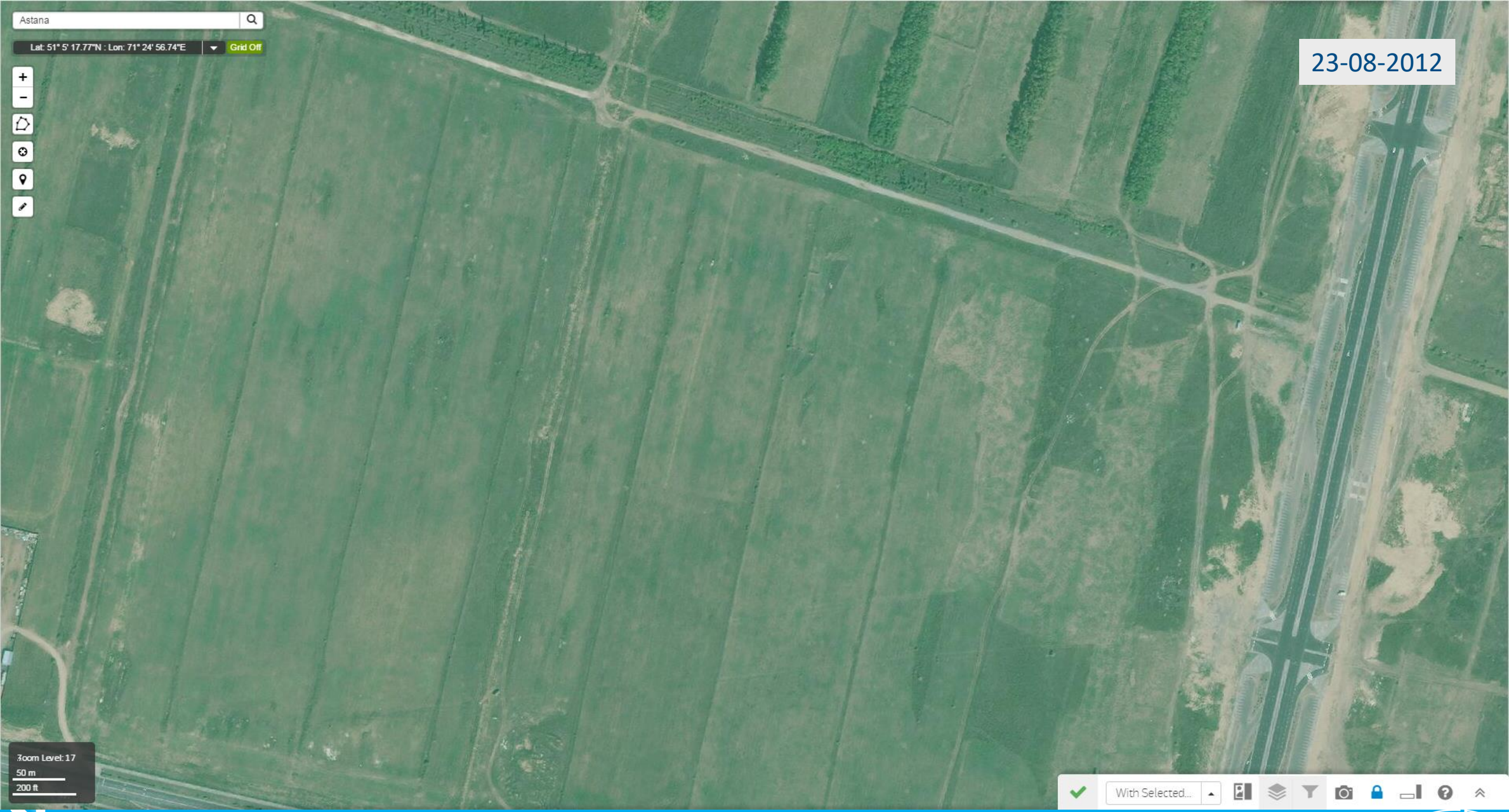
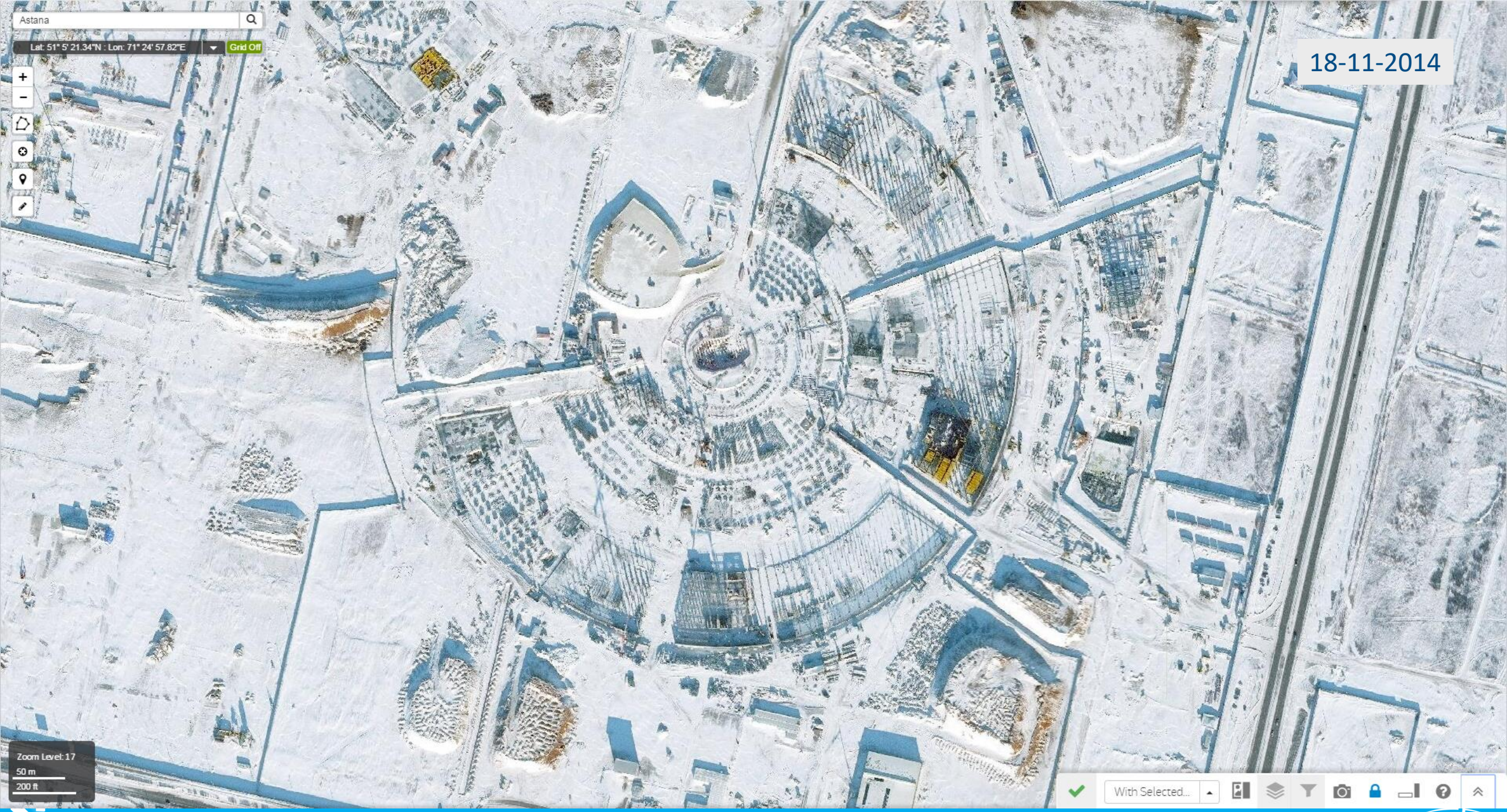
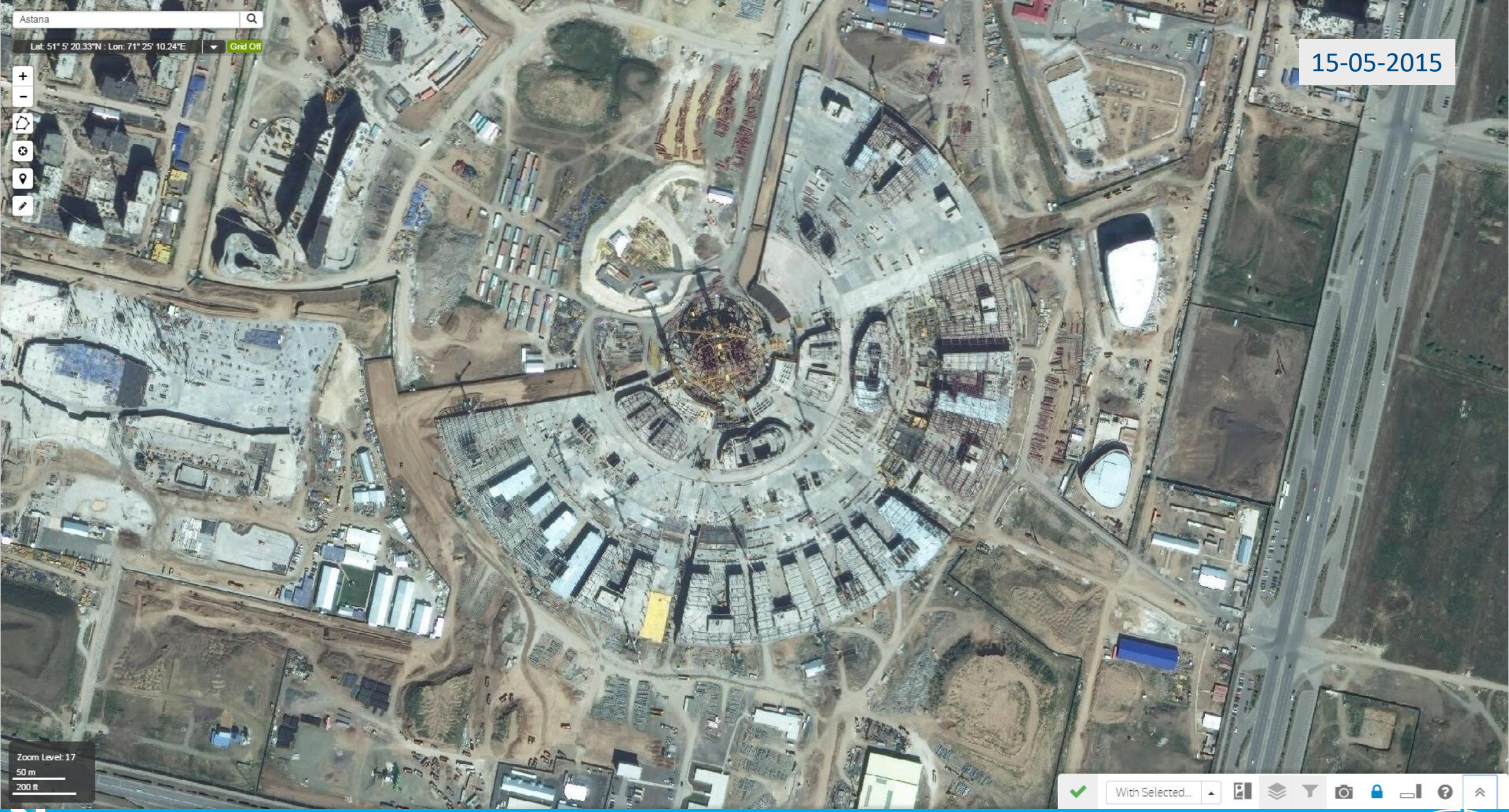
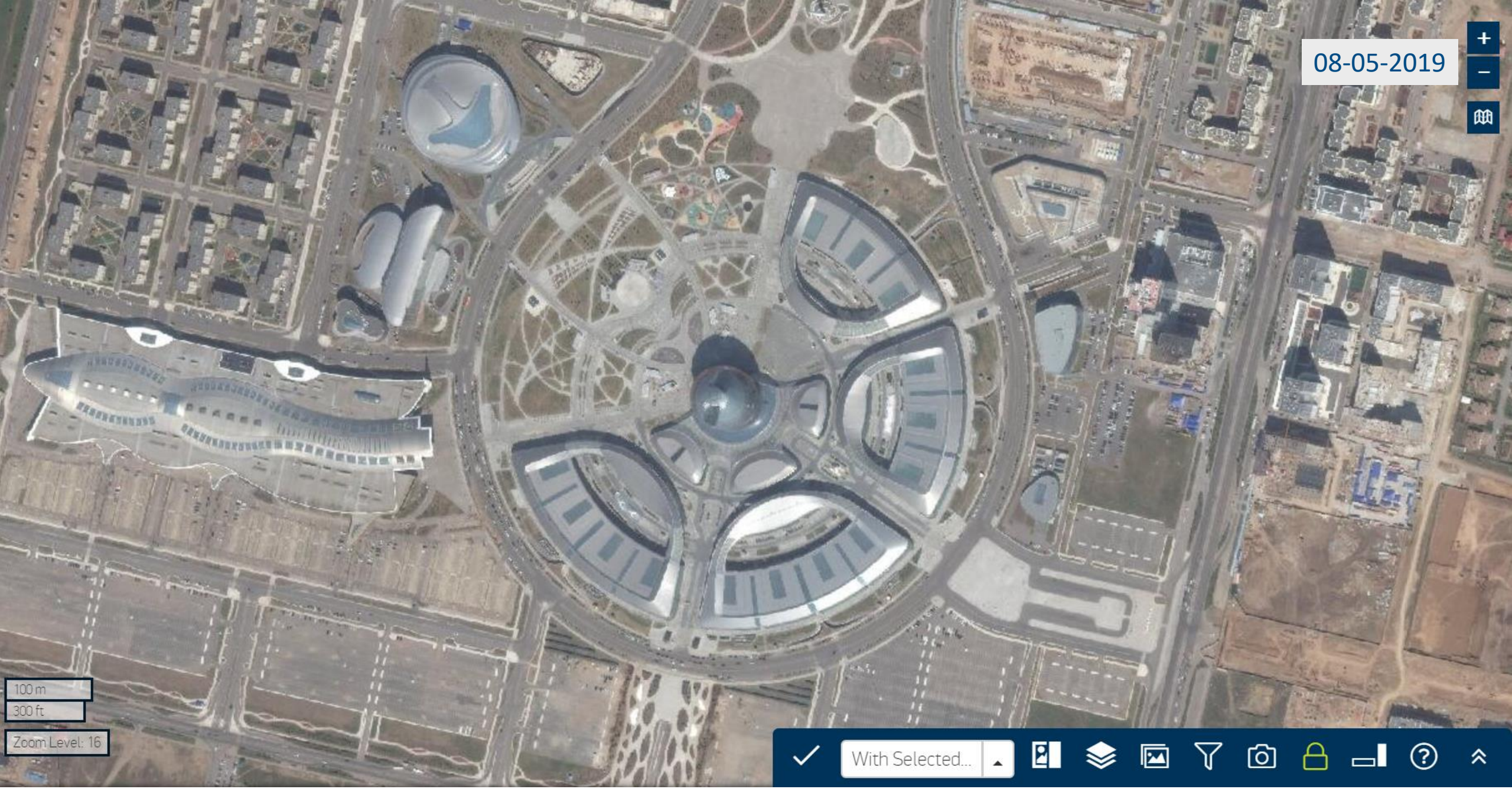






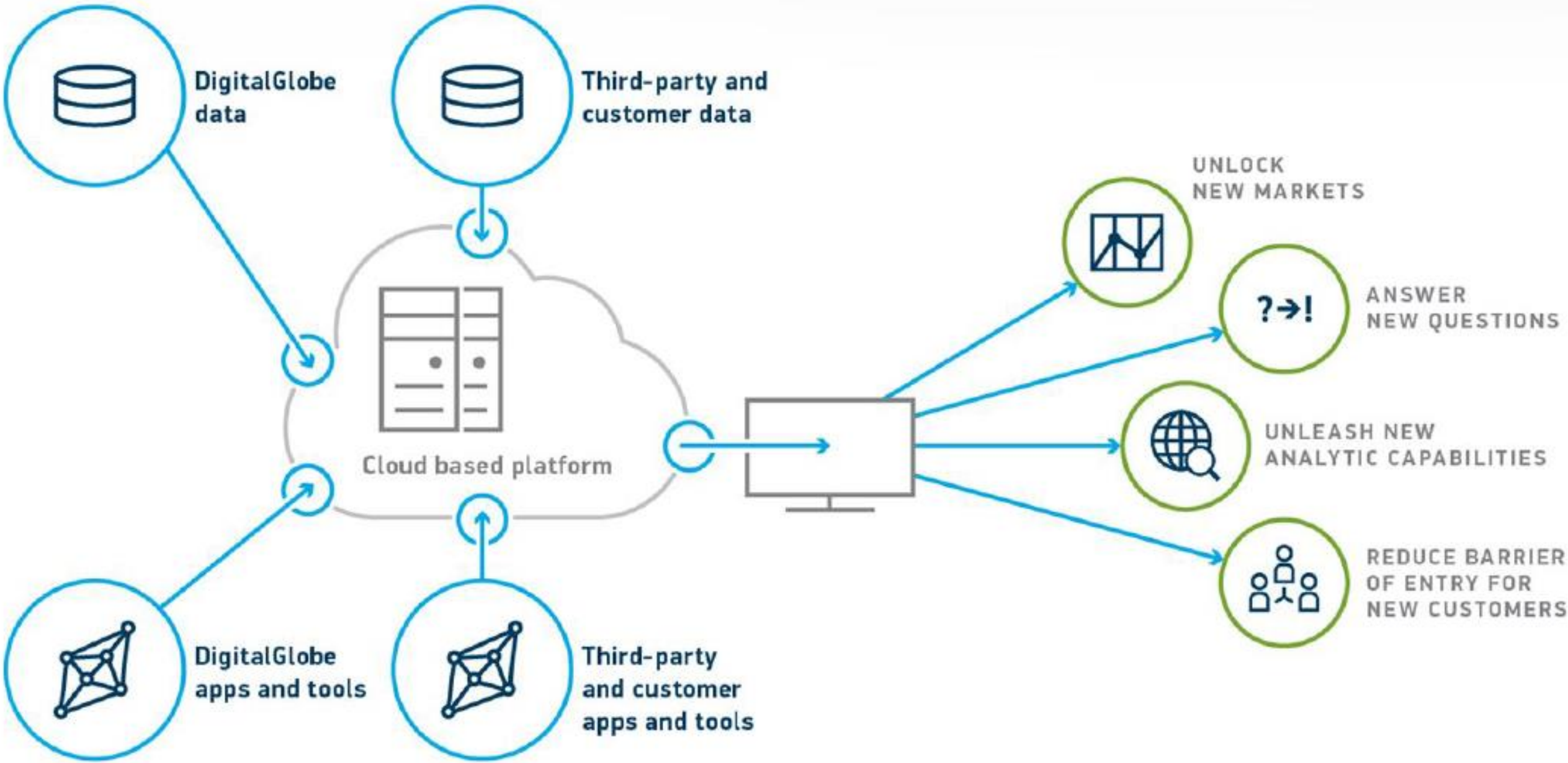

Astana
Lat: 51° 5' 20.90"N : Lon: 71° 25' 0.30"E
Grid Off
10-05-2016
Zoom Level: 17
50 m
200 ft
With Selected...


08-05-2019
100 m
300 ft
Zoom Level: 16
With Selected...


100
PETABYTES

>100 Petabyte!

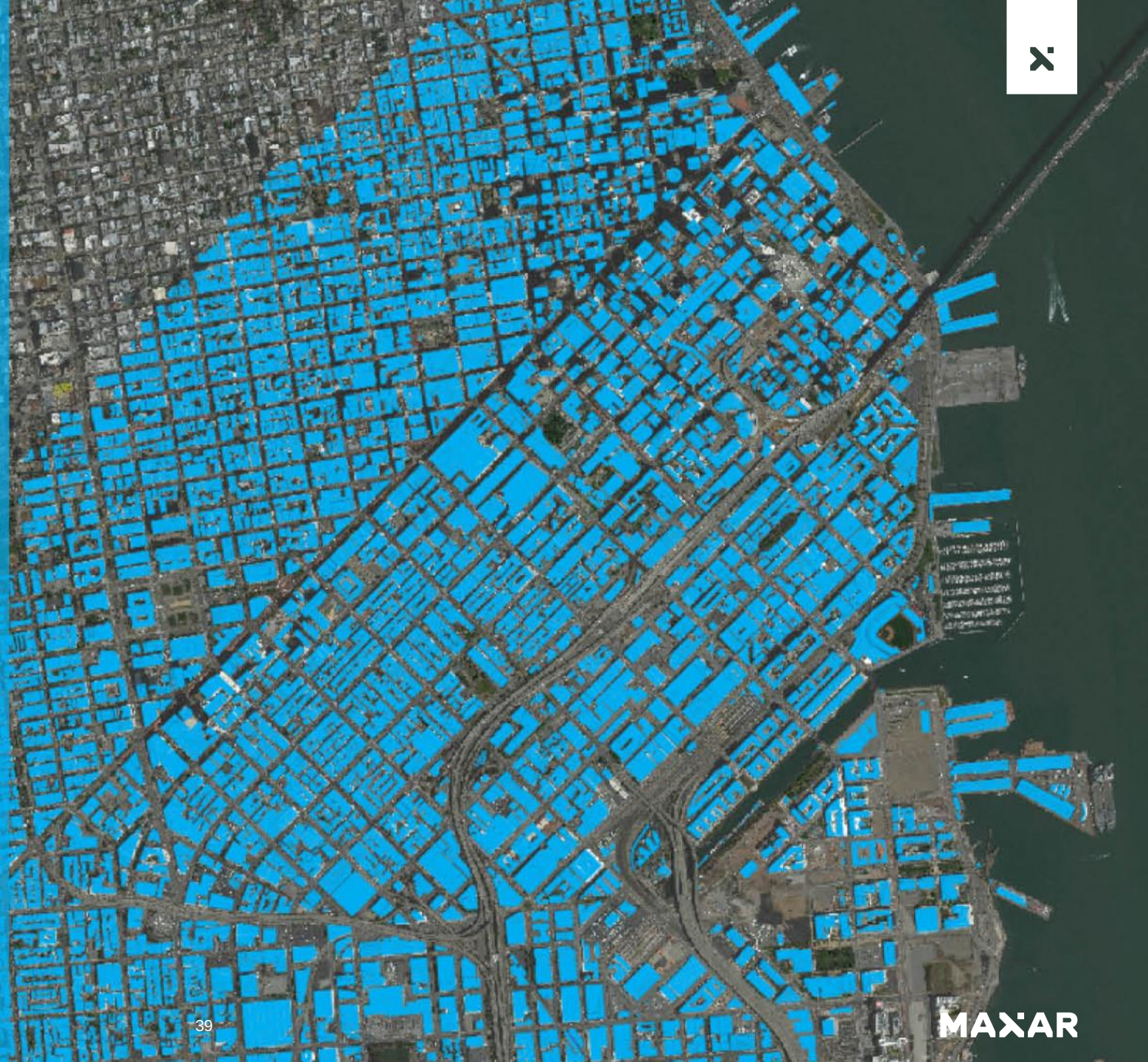
175 km


DigitalGlobe data
Third-party and customer data
Cloud based platform
DigitalGlobe apps and tools
Third-party and customer apps and tools
UNLOCK NEW MARKETS
?→!
ANSWER NEW QUESTIONS
UNLEASH NEW ANALYTIC CAPABILITIES
REDUCE BARRIER OF ENTRY FOR NEW CUSTOMERS

Information layers

Information derived from satellite imagery, including 3D models and digitized polygons.

Map provider PSMA digitized the building footprint and roof material of every structure across Australia to inform policy decisions for insurance providers at a fraction of the cost of traditional methods.



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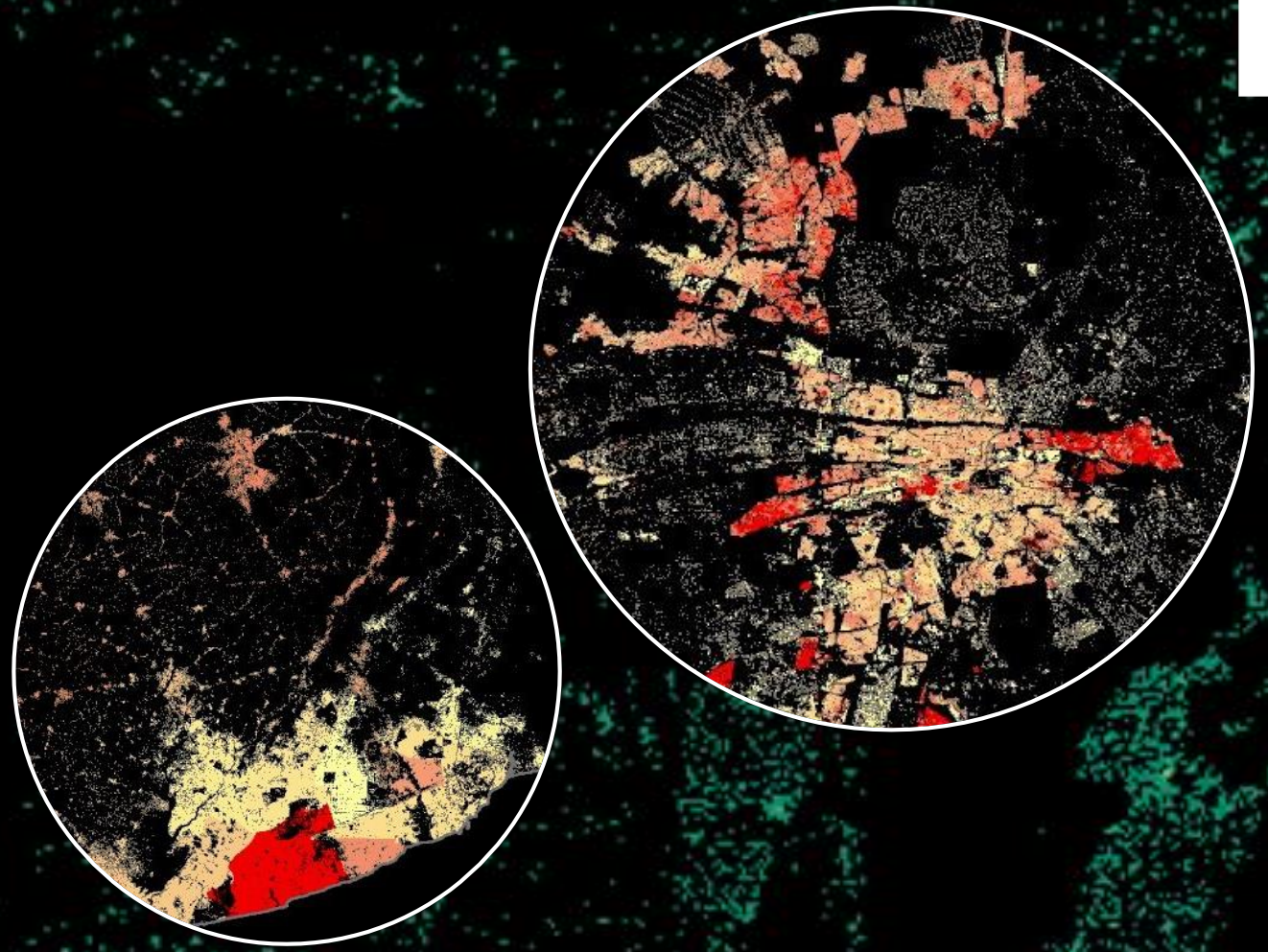
Analytics

Cloud-based platforms to run machine learning algorithms & unlock patterns in geospatial data—on a global scale.

Facebook used advanced algorithms on Maxar data to precisely map populations, fuel infrastructure development and economic growth, and expand internet access in remote regions.

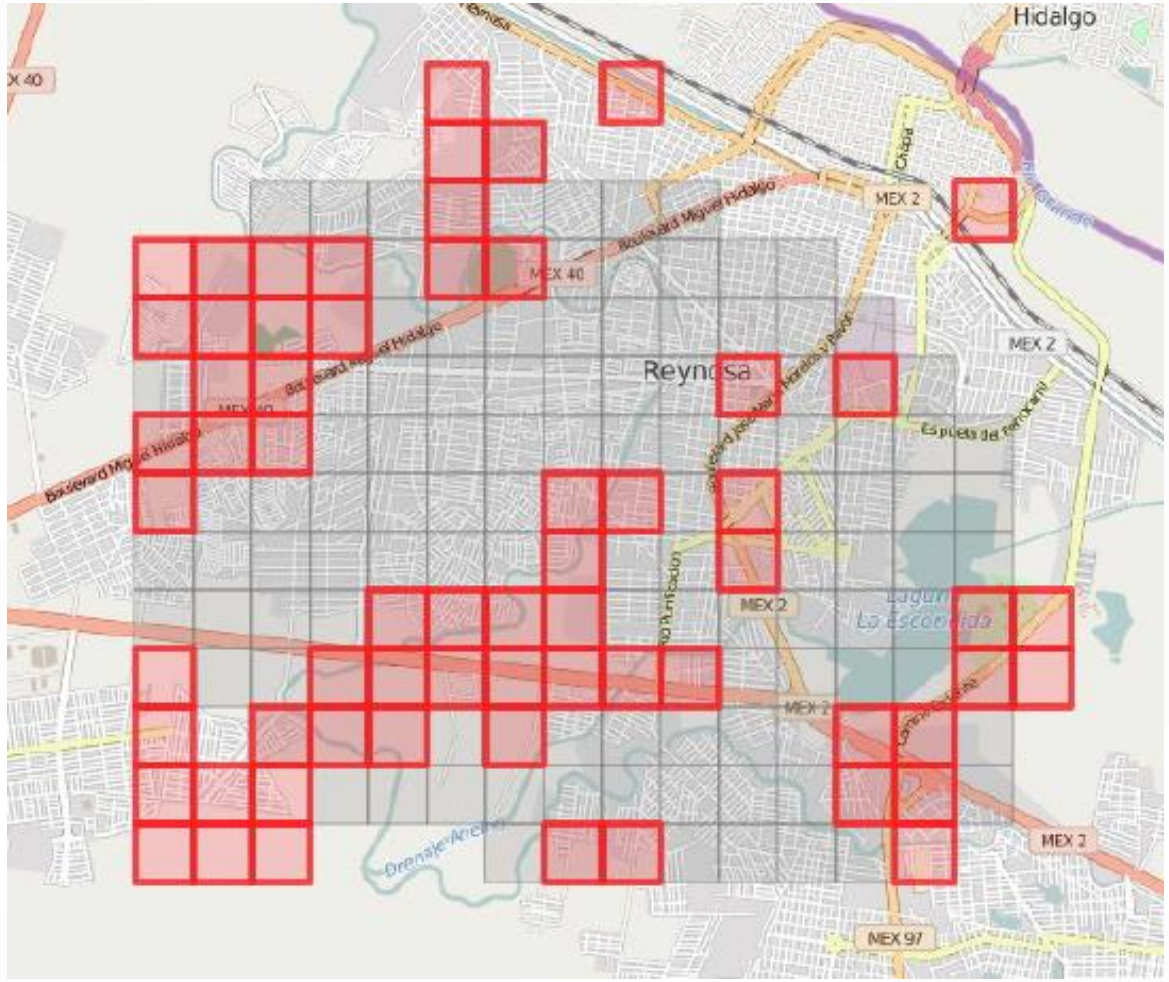


MAXAR

Expertise

With advanced geospatial expertise, our teams create foundational data and living maps for mission planners.

Our team of experts used change algorithms and object detection machine learning algorithms to quickly identify areas along the Mexico border with high levels of change. This informed where maps needed to be updated and enriched, providing the foundation to run analysis and give allow decision-makers to detect areas vulnerable to conflict or violence and help teams respond.



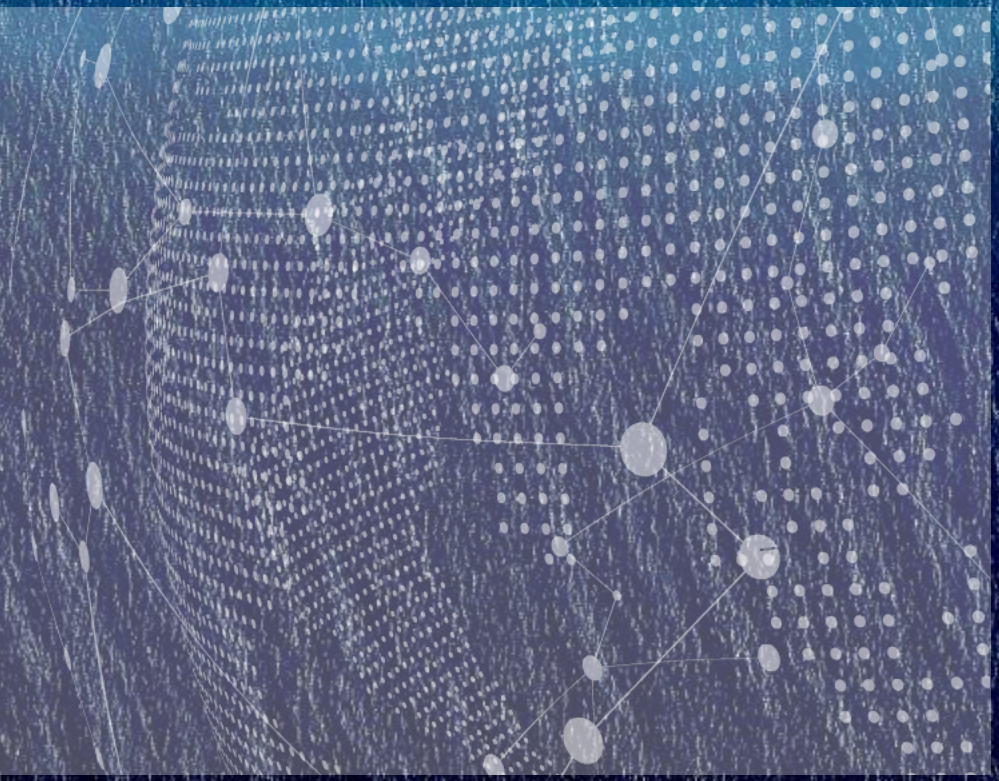
Direct & online access

Our platforms streamline customer workflows by providing simplified access to geospatial data in a single interface, or direct satellite access to collect imagery of specific areas with our constellation.

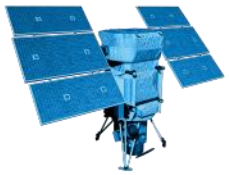
For its more than 250,000 users in the U.S. Government, the Global Enhanced GEOINT Delivery program delivers imagery directly into the hands of decision-makers, in their workflow, in near real-time.

A MAXAR COMPANY

WorldView Legion



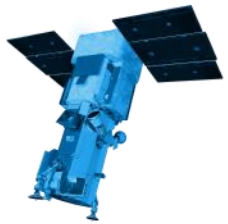
MAXAR's Current and Future Constellation



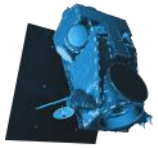
WorldView-1

GeoEye-1

WorldView-2



WorldView-3



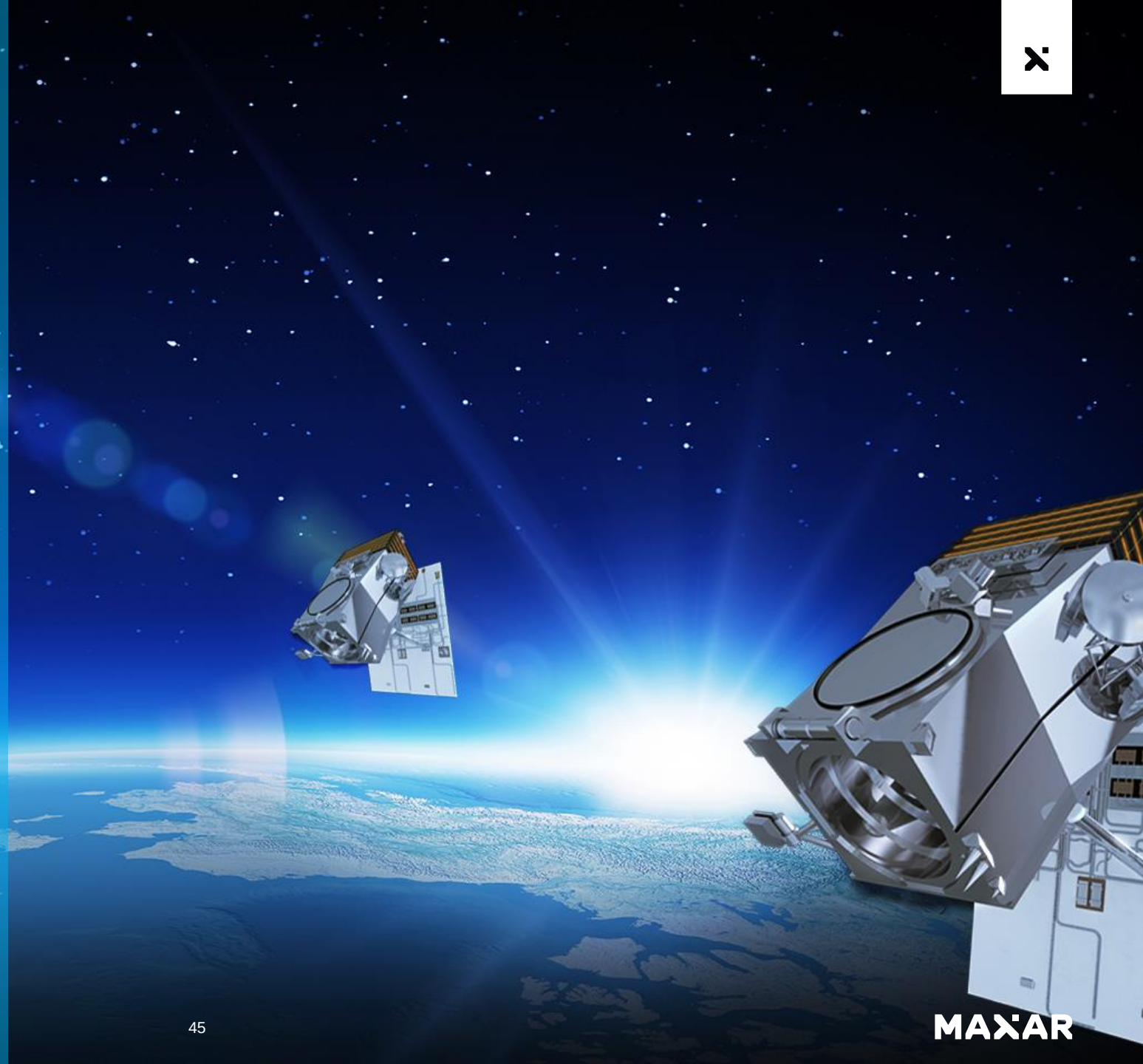
WorldView Legion

WorldView Legion

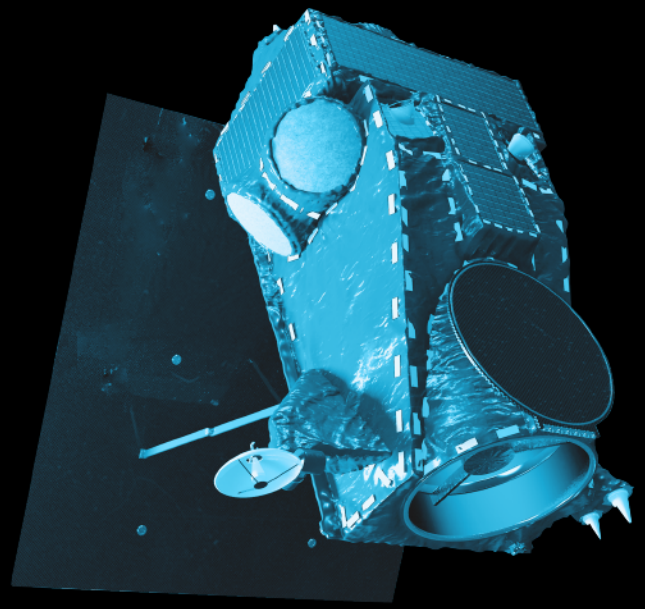
A next-generation low Earth orbit constellation, using the most innovative and flexible imaging satellites for exceptional on-orbit performance, value, and reliability.

- Launch in early 2021
- Triples Maxar's 30 cm resolution collection capacity
- 500 class spacecraft bus

Providing even greater insights into global events of significance, for critical decision-making when time is of the essence.



MAXAR

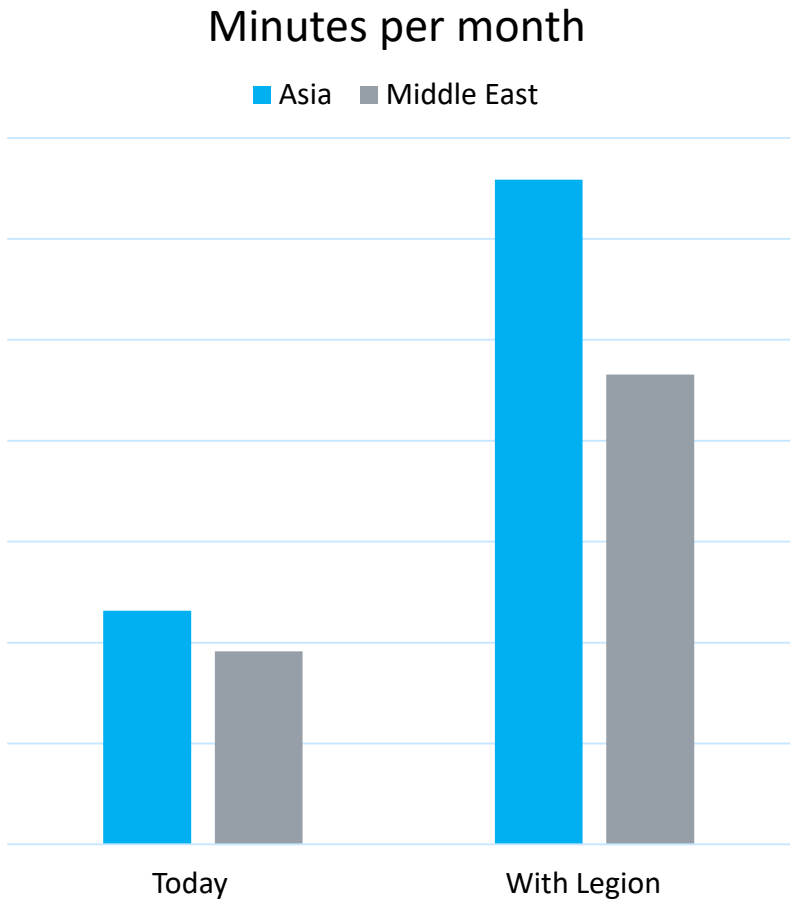


WorldView Legion

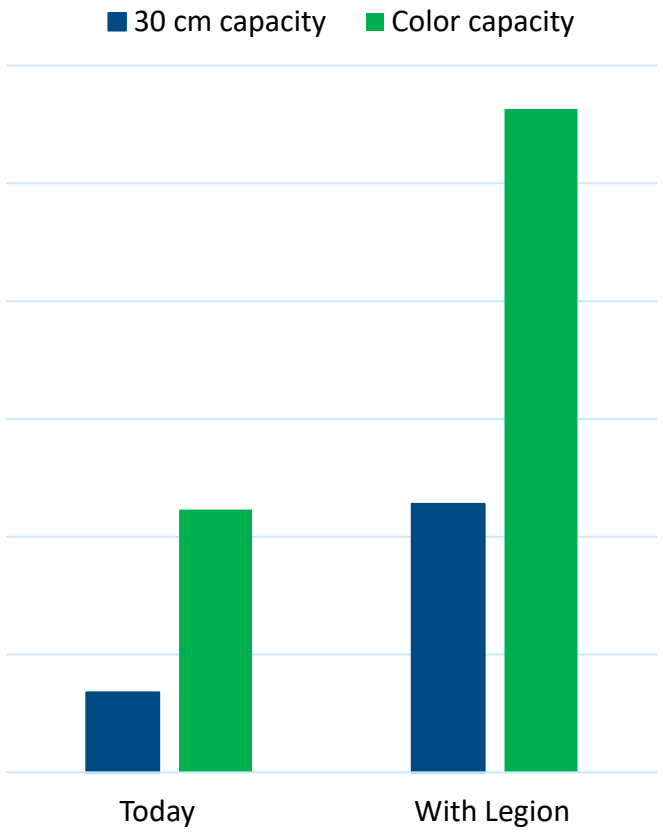
- HIGHER REVISIT
- MORE INSIGHTS AT SCALE
- REGIONAL CAPACITY FOR ID&I & COMMERCIAL

WorldView Legion provides more usable capacity

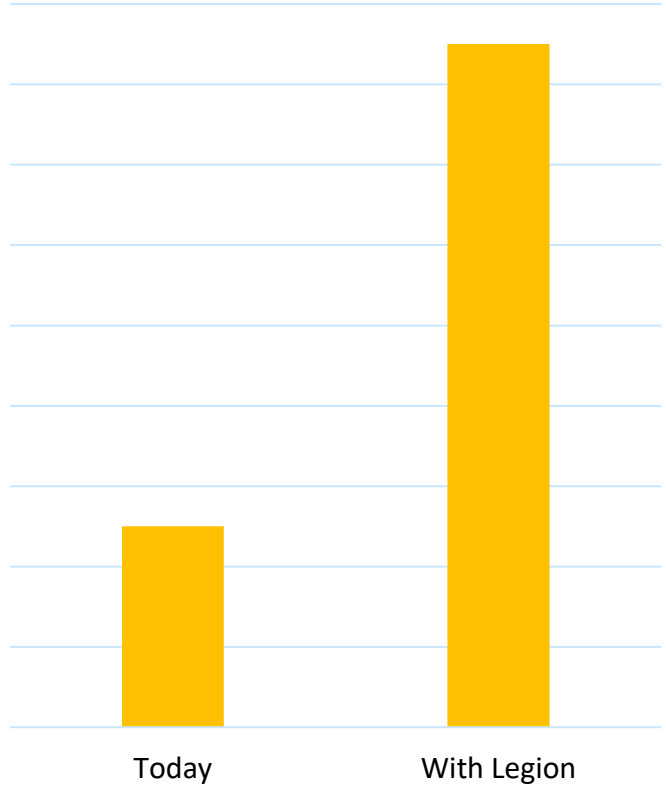
More high-demand capacity

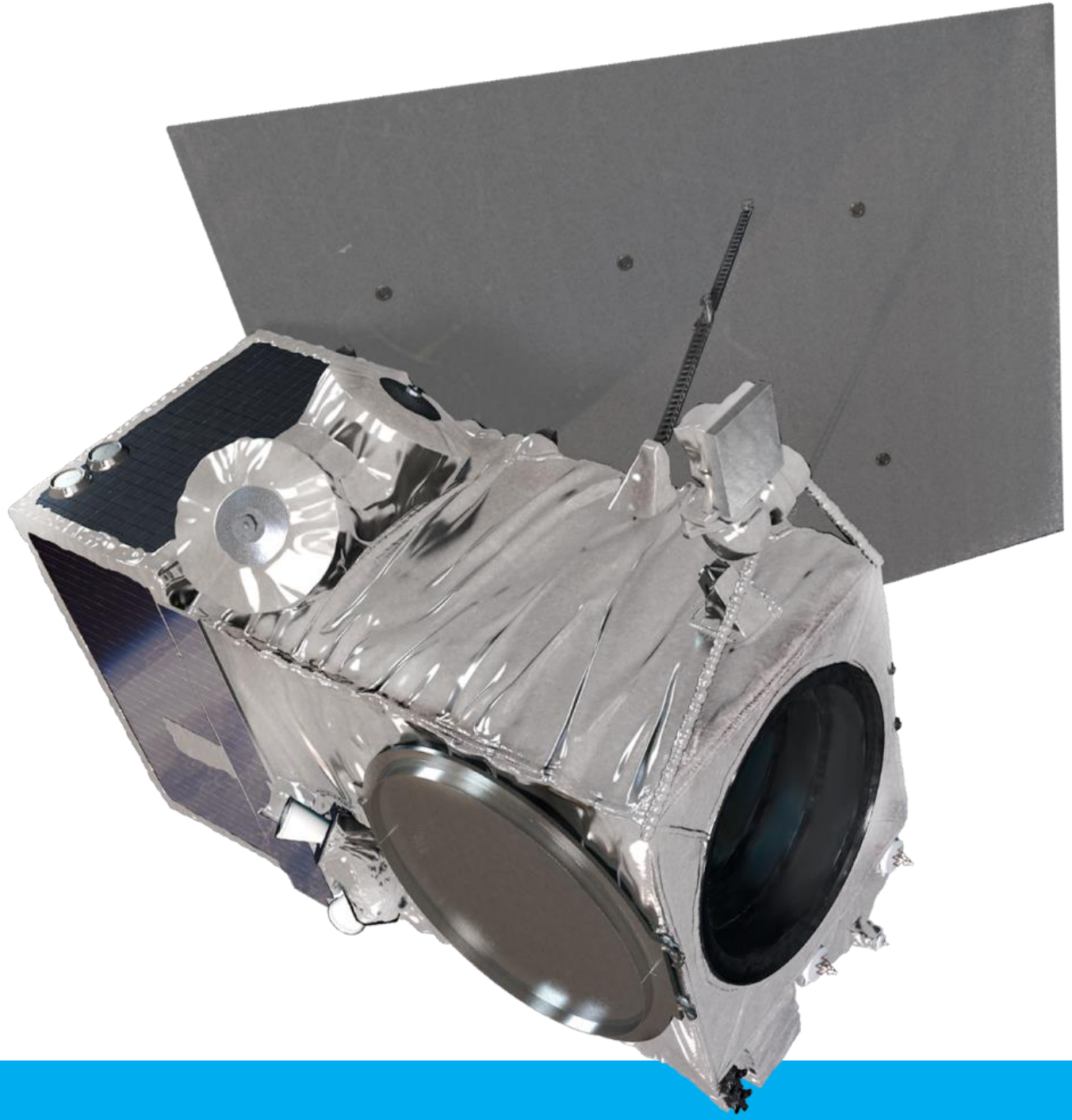


More 30 cm and color capacity



More frequent revisit





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