

# PLÉIADES NEO

# AIRBUS



## Pléiades Neo

4 NEW 30CM RESOLUTION SATELLITES

### Airbus' Newest Constellation

- Geoimage is excited to support the highly anticipated expansion of Airbus' constellation with the launch of two Pléiades Neo satellites in 2021 with two more launching in 2022. April 2021 saw the first Pléiades Neo successfully launched from Kourou, French Guiana.
- The four identical new generation satellites will join the Airbus constellation of optical and radar satellites to offer enhanced performance capabilities.

- Pléiades Neo will bring customers top level capacity and service over the next decade as each satellite will be adding half a million km<sup>2</sup> per day to Airbus' catalogue.
- Benefit from Very High Resolution imagery and daily revisits anywhere on Earth.
- See over for more details.

**Get ready  
for exciting  
new applications**

*Geoimage is ready to pre-process Pléiades Neo imagery and provide analysis ready data to clients in Oct/Nov of 2021.*

## New Applications:

Pléiades Neo will revolutionise monitoring and compliance applications of local, regional and remote assets due to the capture cadence and accuracy. Some of the advantages and technical specifications of the constellation are listed below:

- Very high resolution satellite imagery available for commercial use cases.
- The Pléiades Neo Constellation will allow daily revisits to any point on Earth to capture large scale projects rapidly.
- 50cm Digital Elevation Models (DEM) with Tri-stereo capability will allow for more accurate DEM production.
- The Pléiades Neo satellites will have 6 multispectral bands which is ideal for spectral analysis and machine learning.
- Additional revisit capacity (daily and twice daily).

## Pléiades Neo Technical Specifications

- Number of satellites: 4 identical satellites in constellation
- Orbit: Sun-synchronous, 10:30 a.m., Descending node, 620 km altitude
- Mission lifetime: 10 years
- Reactivity: Tasking and download through Polar Stations, Improved services through Partner Operating Centres and Space Data Highway
- Ground segment: Innovative cloud-based architecture for massive production.
- Dynamic range at acquisition: 12 bits
- Geolocation accuracy: <5m CE90 at nadir for our clients and their projects.
- Spatial Resolution: 0.3m GSD Spectral bands: Deep Blue, Blue, Green, Red, Red Edge, Near-infrared, Panchromatic
- Global capacity: Up to 2 million km<sup>2</sup> per day
- Revisit capacity:
  - Daily anywhere (30° off-Nadir)
  - Twice daily anywhere (46° off-Nadir)

## Geoimage - Your Trusted Advisor

Geoimage is a proud licensed reseller and collaborator of Airbus data and geospatial services. Our people are trusted advisors and leaders in their field. We challenge conventional geospatial systems with innovative solutions that derive greater value for our clients and their projects.



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**Contact the Geoimage team today!**

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