Pléiades Neo
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Features

- High quality 30 cm Ground Sample Distance (GSD) with 6 multispectral channels.
- Mono, stereo and tri-stereo acquisition capability.
- 2 million km² per day.
- Intraday revisit of any point on Earth.
- Reactive tasking and rapid delivery thanks to SpaceDataHighway.

Benefits

- Information supplied in a drastically reduced timeframe.
- Extensive monitoring.
- Rapid coverage at regional scale.
- Enables generation of analytics to feed massive intelligence needs.

Technical Specifications

- Number of satellites: 4 identical satellites in constellation
- Launch: 2020
- Revisit capacity: Daily, anywhere (30° off-Nadir) Twice daily, anywhere (46° off-Nadir)
- Product resolution: Panchromatic 0.3m
- Expected geolocation accuracy: <5m CE90 at Nadir
- Spectral bands: Deep Blue, Blue, Green, Red, Red Edge, Near-infrared, Panchromatic
- Dynamic range at acquisition: 12 bits
- Swath: 1.4km at Nadir
- Orbit: Sun-synchronous, 10:30 a.m. Descending node, 620km altitude
- Pointing agility: ± 52°
- Mission lifetime: >10 years

From 2020, Pléiades Neo will reshape Earth Observation-based services.

Airbus’ most advanced optical constellation, with four identical 30cm resolution satellites with the ultimate reactivity, optimises each step of the acquisition and delivery cycle.

The best of very high-resolution optical imagery, for an unprecedented level of geospatial services.