

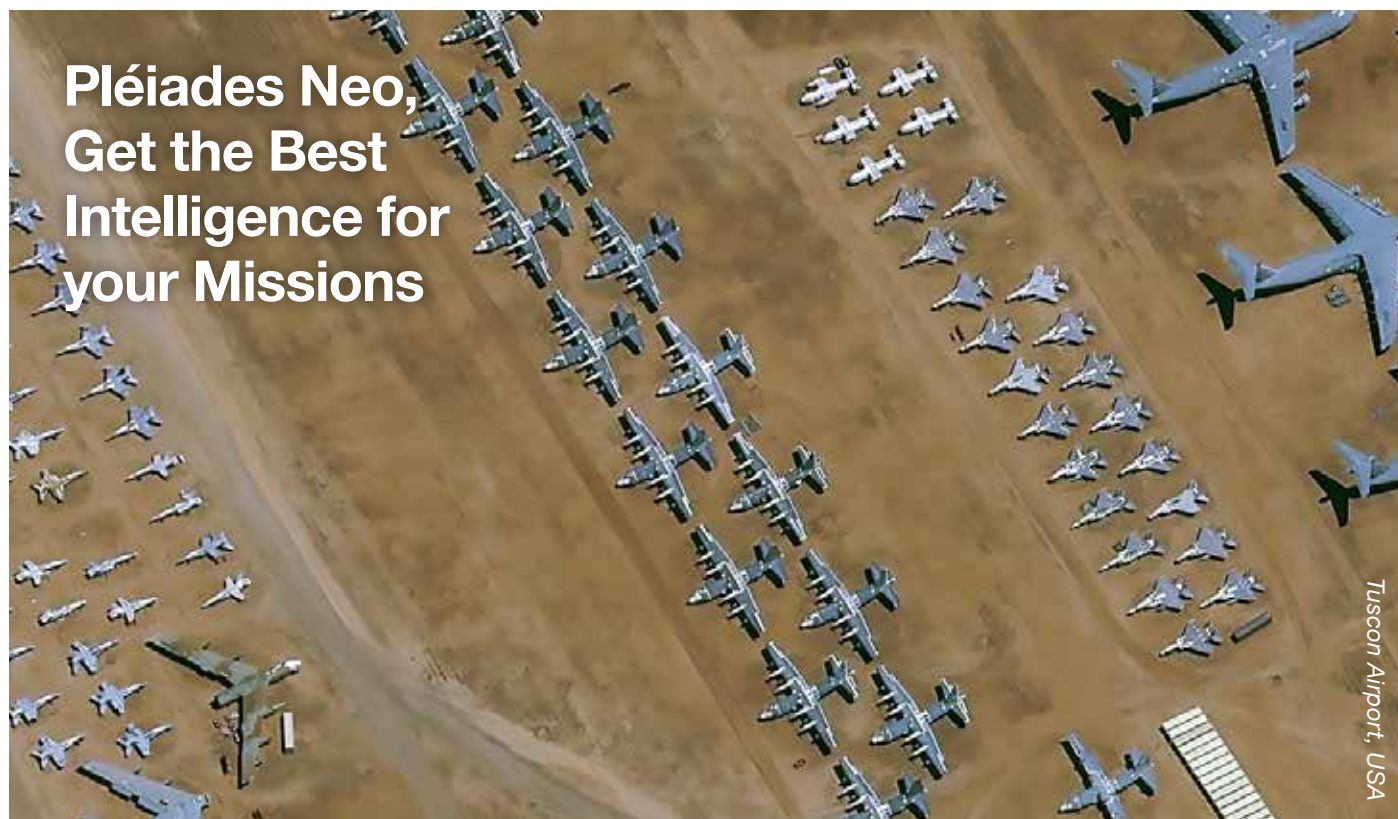
DEFENCE AND SPACE
Intelligence

Pléiades Neo for Defence

We are not just promising
the Earth, we are delivering it.

AIRBUS

Pléiades Neo, Get the Best Intelligence for your Missions



Defence and Intelligence (D&I) customers evolving in a demanding environment need the most robust and precise tools to achieve their missions seamlessly.

With 30 cm resolution, best-in-class geolocation accuracy and daily revisit, the two identical Pléiades Neo satellites unlock new possibilities for D&I stakeholders worldwide: enhanced projection preparation, precise location of enemy positions, and better anticipation and prevention for increased responsiveness and protection.

Your Mission Success is Key, Pléiades Neo Makes it a Priority

30 cm Resolution as if You Were There

The very high resolution (VHR) enables you to detect, recognise and identify assets unveil/reveal the smallest details. Armed Forces will benefit from accurate terrain information to prepare their mission or understand a situation.

High Reactivity for Emergency Situations

Receive Pléiades Neo images in 40 minutes in emergency mode or less than two hours in routine mode.

High Revisit Rate for Monitoring and Information Superiority

With at least two revisits per day anywhere on Earth for near-real-time intelligence situational awareness. Frequently monitor your sensitive area of interest and detect suspicious activity before anyone else.

3.5 m CE90 Native Location Accuracy for Informed Decision-Making and Mission Planning

Base your decision on trusted dataset: the geolocation accuracy provided by Pléiades Neo guarantees reliable information.

Massive Acquisition Capacity

With 1 million km² daily capacity, Pléiades Neo can answer needs demanding important imagery quantity such as mapping and cartography.

Increase your Reactivity with Analytics and Machine Learning Support

Analyse the huge quantity of 30 cm data delivered by Pléiades Neo with the support of automatic object and change detection algorithms, to increase your speed and allow your image analysts to focus on what matters.

Ultimate Reactivity

Pléiades Neo at all Stages of your Mission

Pre-Mission – In today's asymmetrical warfare, having a thorough insight of an AOI has become both a requirement and an asset. Pléiades Neo's performance enables the creation of quick and reliable 3D textured models and Digital Elevation Models (DEMs) of urban and remote areas. This detailed knowledge of the field will ensure quicker, better mission preparation and safety of operators.

In-Mission – Pléiades Neo's very high resolution allows positive identification of mobile or fixed target status, and the ability to plan a potential follow-up activity, if necessary.

Post-Mission – Detailed analysis of the events is mandatory in order to fully assess the mission's outcome and potential miss. VHR is required in order to positively ID mobile and fixed target status, and plan a potential follow-up activity in case it is required.



Better Capabilities for your Day-to-Day Applications



- Border monitoring
- Defence critical infrastructure monitoring
- Counter terrorism
- Air and land navigation support

- Mission planning
- Mapping and cartography
- Order of battle (ORBAT)
- Targeting
- Battle damage assessment (BDA)

- Treaty verification
- Infrastructure assessment
- Aid station
- Humanitarian and disaster response (HADR)

Technical Specifications



Number of satellites

2 identical satellites in constellation



Revisit frequency

Daily, anywhere



Launch

2021



Product resolution

30 cm (GSD)



Geolocation accuracy

3.5 m CE90



Spectral bands

Deep Blue, Blue, Green, Red, Red Edge, Near-infrared, Panchromatic



Dynamic range at acquisition

12 bits



Acquisition capacity

1 million km² per day



Swath

14 km at Nadir



Orbit

Sun-synchronous, 10:30 a.m.
Descending node, 620 km altitude



Mission lifetime

10 years



100% Airbus funded

Airbus Defence and Space
Australia, Brazil, China, Finland, France,
Germany, Hungary, Singapore, Spain,
United Kingdom, United States

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30 cm Resolution