

# PLÉIADES NE



Atelier Prospectif DINAMIS  
11 Juin 2021

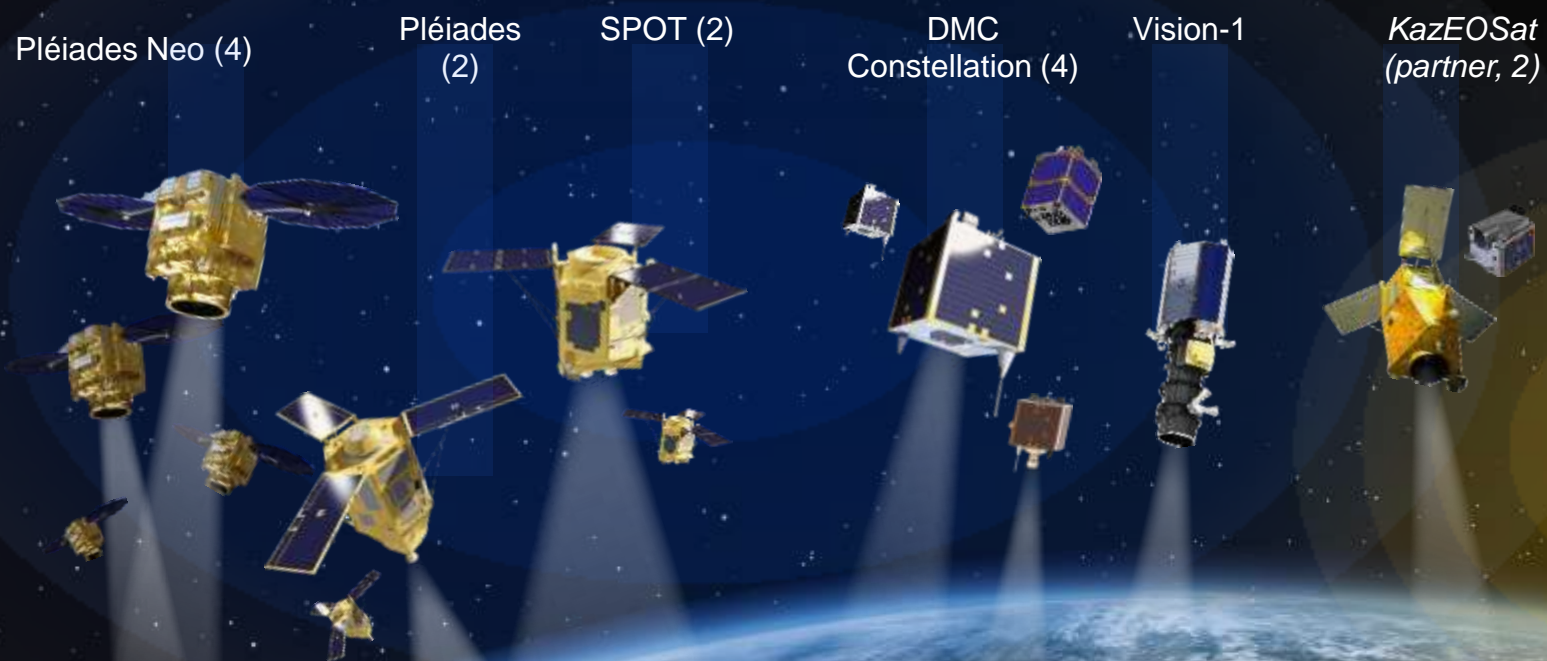
## Trusted Intelligence

# Intelligence Has an **Unrivalled** Operational **Constellation**

NEXT



## OPTICAL CONSTELLATION



## RADAR CONSTELLATION



The most accurate & extensive  
imagery solutions based on  
strong **partnerships** and continues to **grow**

# Introducing Pléiades Neo

Airbus' most advanced constellation with very high resolution imagery and optimum reactivity

**4** IDENTICAL  
SATELLITES

**30**cm  
RESOLUTION

Revisit  
**2-TIMES**  
A DAY

CAPACITY PER DAY

**2M**sq.km

Designed for a  
**10-YEAR**  
NOMINAL LIFETIME

**100%**  
COMMERCIALY AVAILABLE



# 30cm native resolution

Highest commercial resolution imagery, combined with accurate geolocation

14 km swath





# Spectral resolution

Pléiades Neo delivers  
6 multispectral channels

Panchromatic: 450-800nm

Multispectral channels:

- › Deep Blue: 400-450nm
- › Blue; 450-520nm
- › Green: 530-590nm
- › Red: 620-690nm
- › Red-Edge: 700-750nm
- › Near Infrared: 770-880nm



# Revisit at least Twice a Day

## Benefits:

- ▶ Regularity of revisit: same time, everyday
- ▶ Cover the entire globe, even at extreme latitudes



Organized in quadrature

**10:30 LTDN**

for a intraday revisit anywhere



# Global coverage capacity

- ▶ 2 Million km<sup>2</sup> every day!
- ▶ Up to 7,500 km<sup>2</sup> in a single pass
- ▶ Up to 15,000 km<sup>2</sup> of consistent coverage within a day

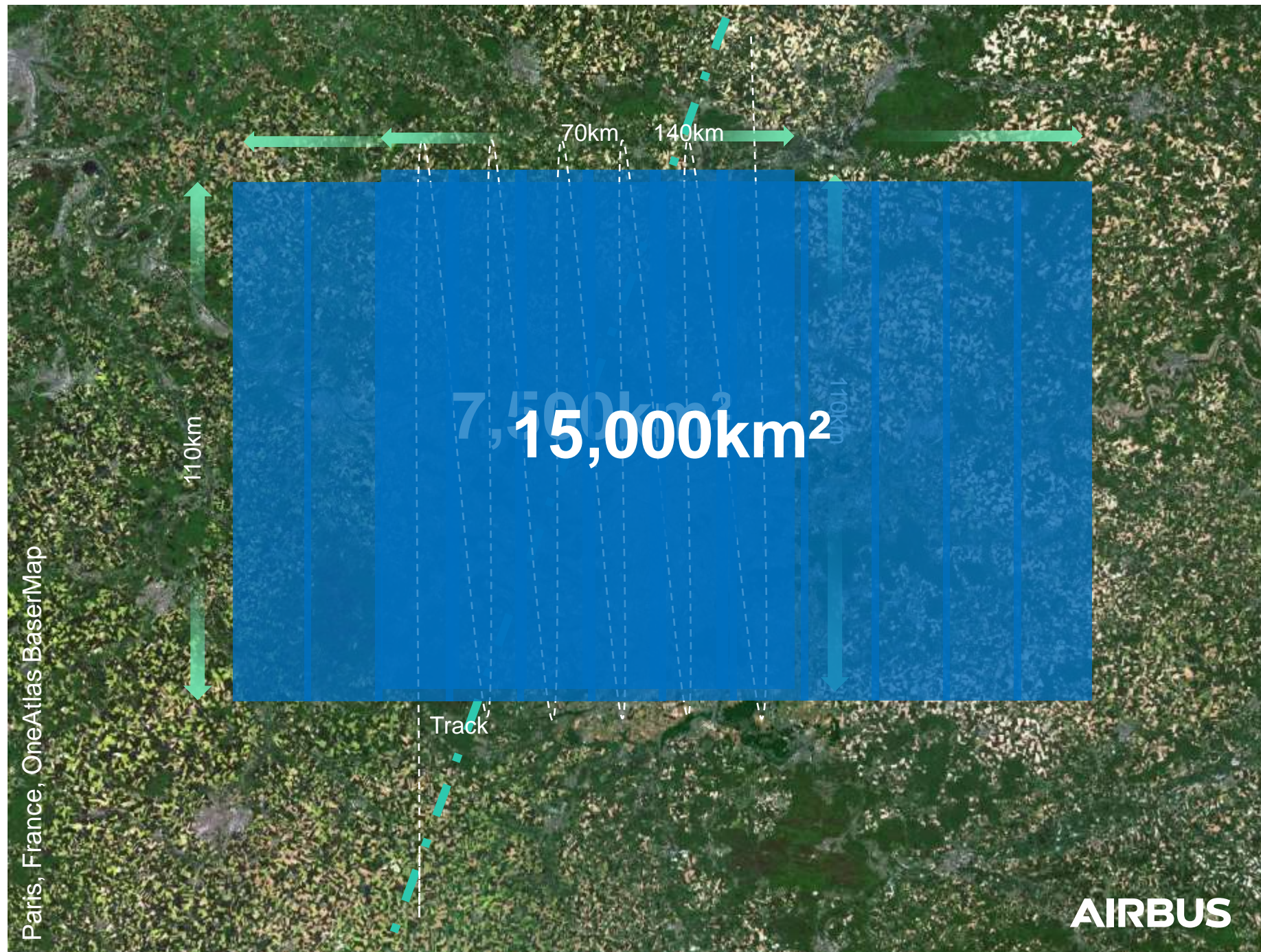
UP TO  
**2 million km<sup>2</sup>**  
EVERY DAY





# Global coverage capacity

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# Unrivalled Low Cloud Cover

Accurate weather forecast  
updated 4 times a day and  
uploaded at and for each orbit

<10%  
CLOUD COVER

TARGET FOR 70% OF IMAGES



# Reactive Tasking & Delivery

Work plans updated at and for each orbit

- ▶ 15 plans / satellite / day
- ▶ Customer request up to 15 min before plan upload
- ▶ Time to acquire: 20-50 min

TASKING PLAN UPDATED  
EVERY MINUTES

25'





# Pléiades Neo Use Cases

Suitable for many applications and industries



Urban Mapping



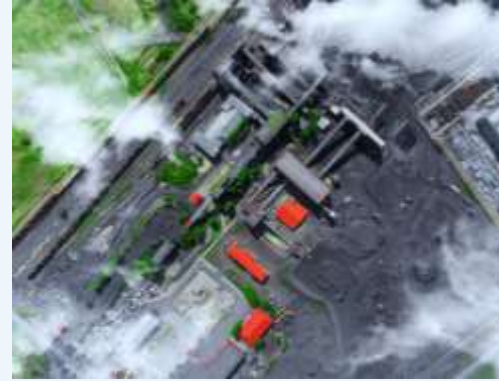
Civil Engineering



3D Modeling



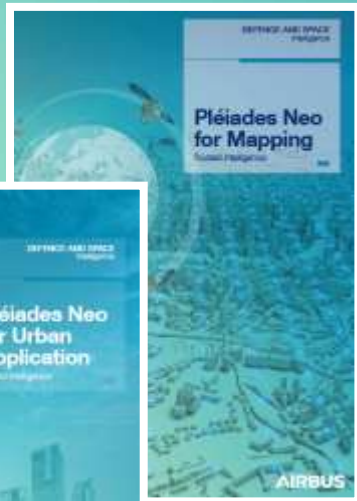
Aviation



Site Monitoring



Oil, Gas & Energy





Pléiades Neo

# VERY FIRST IMAGES OF PLÉIADES NEO 3

Sant'Angelo Castle  
Roma, Italy

Date: 20/05/2021

PanSharpened | 41°

These images are part of the first set acquired on May 2021, one week after the launch of the satellite.

No geometric and radiometric calibration were applied.

Copyright: Airbus DS 2021





Pléiades Neo

# VERY FIRST IMAGES OF PLÉIADES NEO 3

Great Pyramid of Giza  
Cairo, Egypt

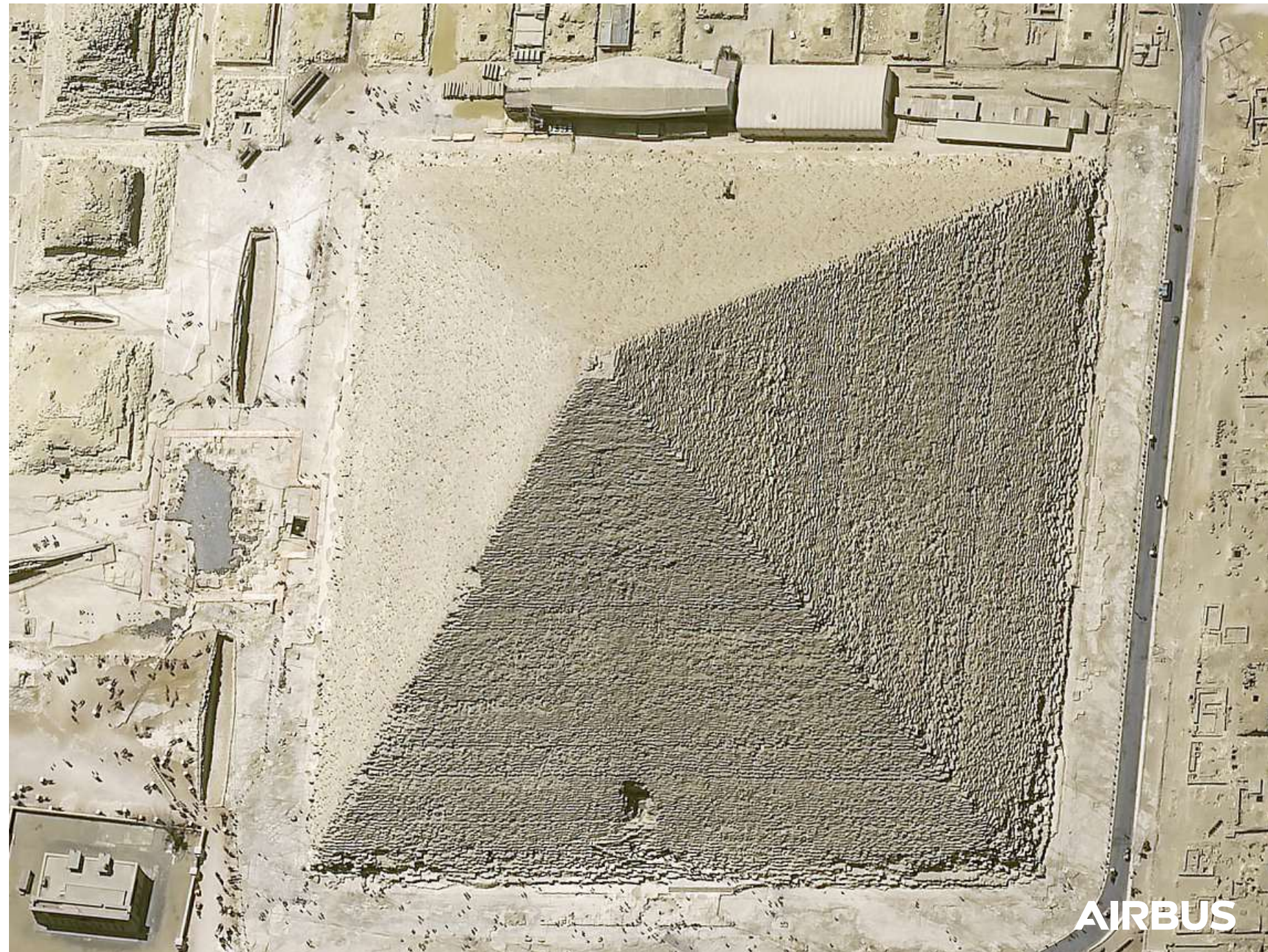
Date: 20/05/2021

PanSharpened | 23°

These images are part of the first set acquired on May 2021, one week after the launch of the satellite.

No geometric and radiometric calibration were applied.

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Pléiades Neo

# VERY FIRST IMAGES OF PLÉIADES NEO 3

Ain Dubai Wheel

Dubai , UAE

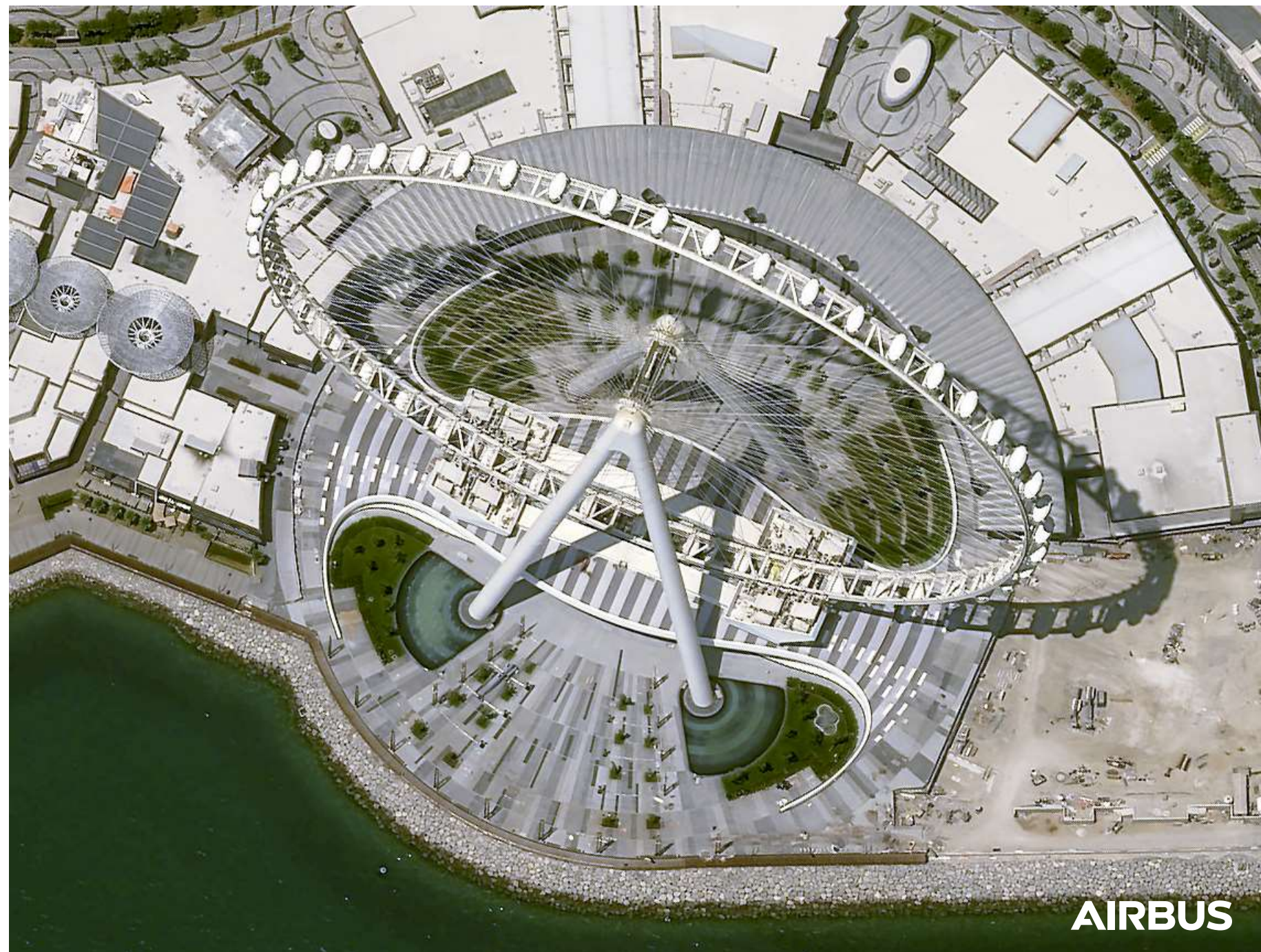
Date: 20/05/2021

PanSharpened | 21°

These images are part of the first set acquired on May 2021, one week after the launch of the satellite.

No geometric and radiometric calibration were applied.

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# VERY FIRST IMAGES OF PLÉIADES NEO 3

Oriental Pearl Tower  
Shanghai, China

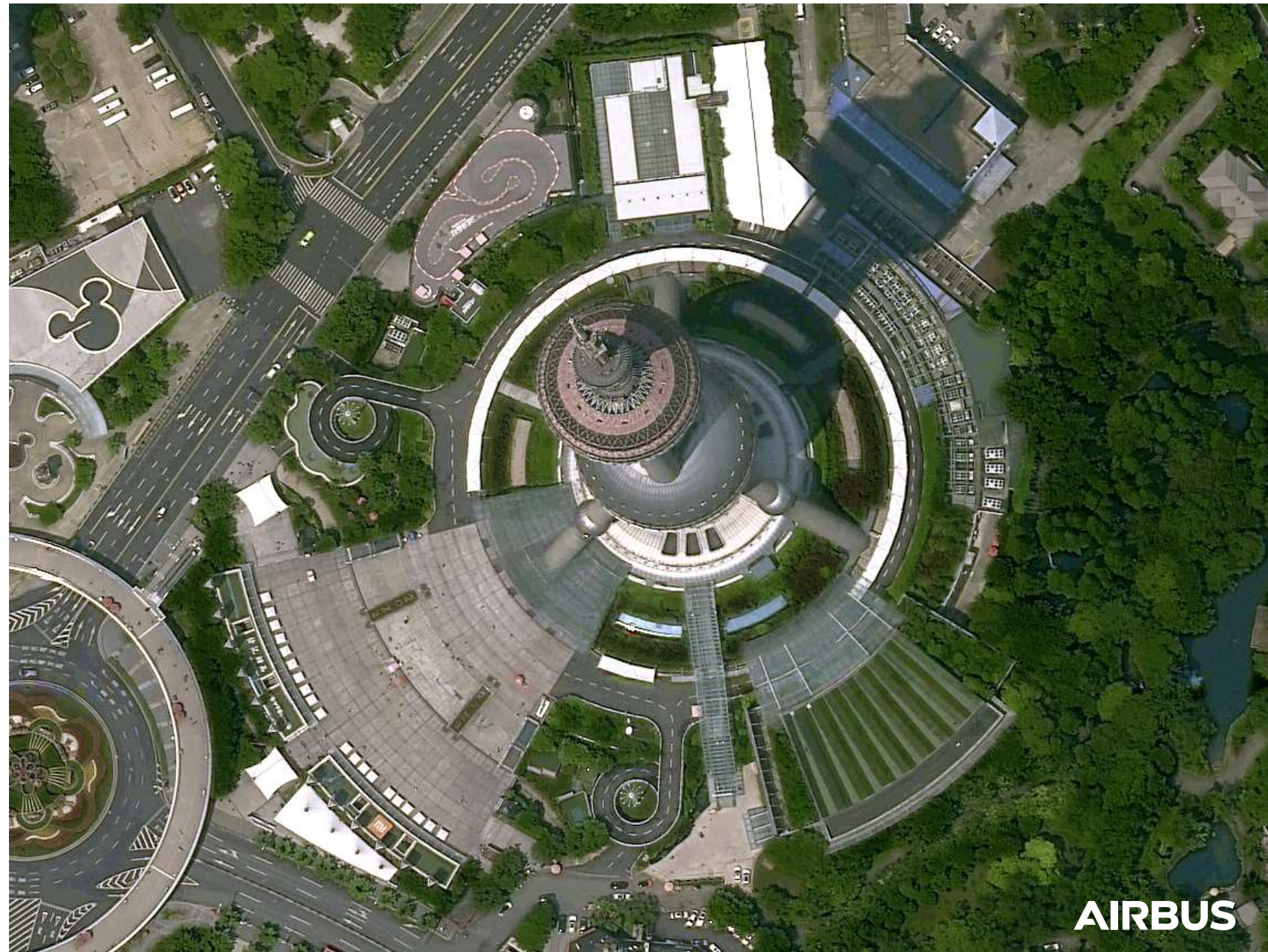
Date: 20/05/2021

PanSharpened | 6°

These images are part of the first set acquired on May 2021, one week after the launch of the satellite.

No geometric and radiometric calibration were applied.

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Pléiades Neo

# VERY FIRST IMAGES OF PLÉIADES NEO 3

United States Capitol  
Washington, USA

Date: 20/05/2021

PanSharpened | 3°

These images are part of the first set acquired on May 2021, one week after the launch of the satellite.

No geometric and radiometric calibration were applied.

Copyright: Airbus DS 2021

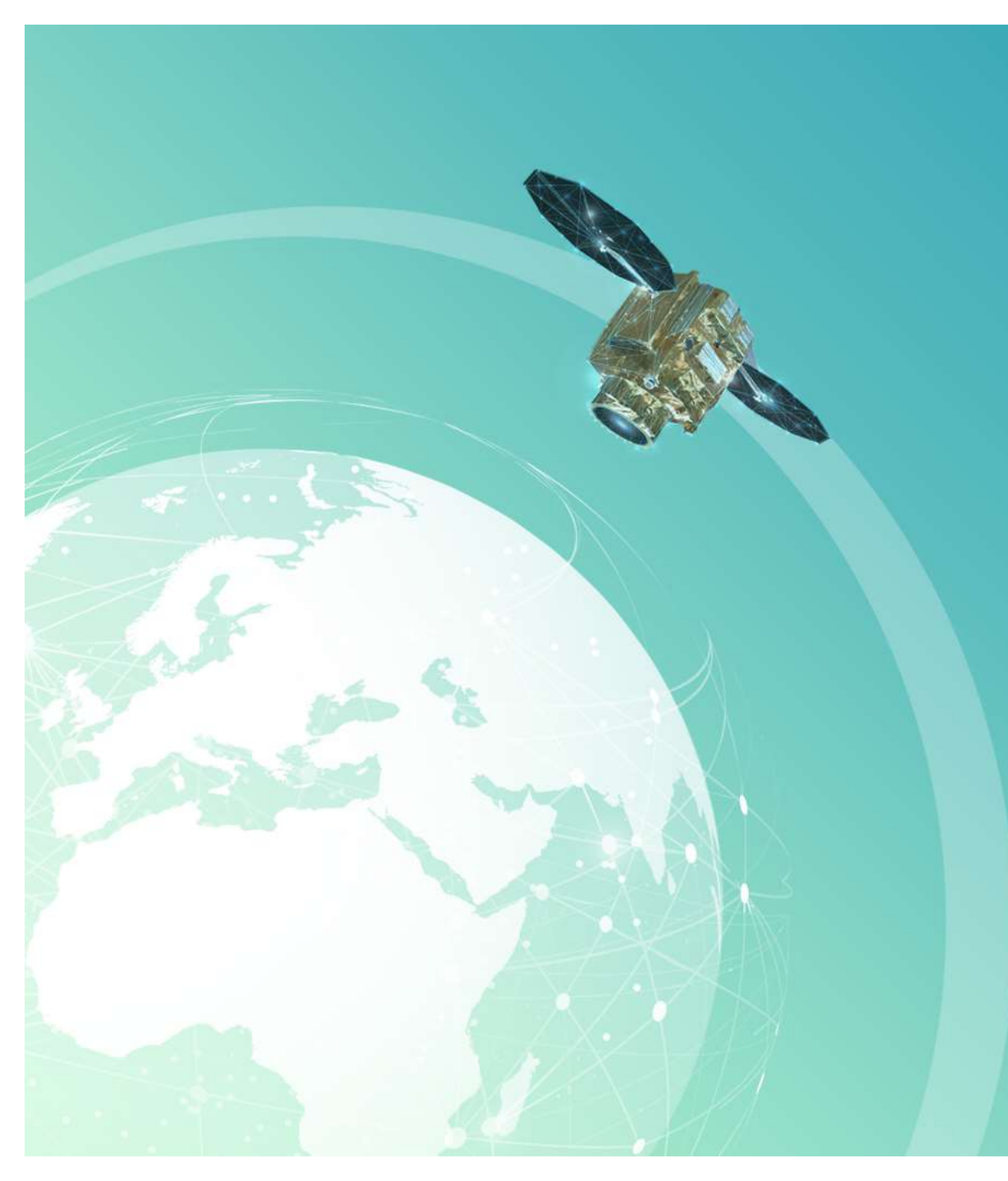




**THE BEST IS YET TO COME.  
JOIN US AS WE CELEBRATE 2021.  
THE YEAR OF PLÉIADES NEO.**

PLÉIADES  
NEO





# Thank you

For further information  
on Pléiades Neo and product portfolio:  
<https://www.intelligence-airbusds.com/>

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