



DEFENCE AND SPACE

## Pléiades Neo Elevation 0.5

The next level of very  
high-resolution Digital  
Elevation Models



**Elevation 0.5** Digital Elevation Models deliver **highly accurate and versatile altimetric information**, making them the perfect match for high precision data needs: **military applications** such as targeting, planning of infrastructure and engineering projects, high mapping accuracy, **realistic 3D modeling**, simulation of smart city concepts, or the **replacement of drone and aerial** data in the mining industry.

**AIRBUS**



# The most precise DSM/DTM

for accurate 3D modeling at 0.5m resolution

## Benefits



### Unprecedented Precision

Elevation 0.5 sets a new benchmark for DSM accuracy. With an impressive precision of 0.5 meters, you can analyze and model the Earth's surface in great detail.



### Stereo Imaging Excellence

Pléiades Neo's stereo imaging captures the Earth's surface from multiple angles, resulting in highly accurate 3D models that show the true topography.



### On-Demand Flexibility

Elevation 0.5 projects will be adapted to your needs with simplicity of data collection and processing.



### Versatility Across Industries

Elevation data can be used in many industries, including urban planning, forestry, oil & gas or disaster management. It is a potent tool for decision-making and resource management.

## Key features

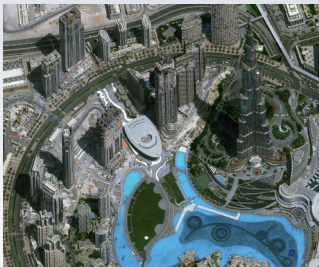
0.5m resolution	Offering the highest precision and accuracy for detailed Elevation models.
Absolute vertical accuracy: 1m	With perfect ground control points (GCPs); valid for slopes $\leq 20\%$ .
Based on Pleiades Neo	The Pléiades Neo satellite's agile capabilities enable the delivery of very high-resolution stereoscopic coverage.
On-demand and up-to-date data acquisition	Whether you require Elevation data for an infrastructure project, flood modeling, or natural resource management, Elevation 0.5 data can be acquired depending on every projects.

## Applications



### Digital Twins, 3D modeling and simulation

Visualise and analyse complex scenarios for mission planning, smart city design and simulations.



### 3D Mapping

The 3D accuracy is essential for construction projects, exploration and prospecting, enabling accurate planning and execution.



### Environment monitoring and disaster management

Prevent and collect data in real time, monitor the evolution and coordinate rescue solutions.



### Defence

For various military applications requiring high precision such as mission planning or targeting.



**Airbus Defence and Space**  
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Germany, Hungary, Singapore, Spain,  
United Kingdom, United States

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