



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

Australia, Brazil, China, Finland, France, Germany, Hungary, Singapore, Spain, United Kingdom, United States

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