

DEFENCE AND SPACE

Geospatial solutions for every business demand

AIRBUS

The Airbus Constellation meets your commercial needs

For more than 40 years, Airbus has been empowering industries with innovative solutions. Agriculture, Land Administration and Mapping, Forestry and Environment... Our advanced constellation can provide our customers with valuable and accurate data to answer their needs.

Each sector comes with its specific set of requirements, legacy solutions, regulations and challenges.

Listening to our customers and working in close partnership with them before, during and after delivery allows us to develop products and solutions that perfectly meets their needs and helps them succeed in their respective activities.



Pléiades Neo

📷 30cm
Swath : 14km
Daily, anywhere



SPOT

📷 1.5m
Swath : 60km
Up to daily, anywhere



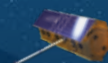
Pléiades

📷 50cm
Swath : 20km
Daily, anywhere



Vision-1

📷 87cm
Swath : 20.8km
Daily to 8 days, anywhere depending on latitude and partner satellites



Radar constellation

📷 From 25cm to 40m
Swath : 270km
Daily for most latitudes



Strat-Observer

📷 Up to 18cm
Images and Live Videos
Persistent coverage



Suez Canal, Egypt - Pléiades 50cm for Maritime



Barcelona, Spain - Pléiades Neo 30cm for Land Administration and Mapping



SoFi Stadium, USA - Radar Constellation 25cm to 40m for Civil Engineering

Agricultural Fields, Canada - SPOT 1,5m for Agriculture

Solving your Challenges with Geospatial

Forestry and Environment

From deforestation monitoring across supply chains to carbon accounting and removal in tree planting projects, our satellite imagery is a key insight to help progress towards a more sustainable environment. With Starling, verify your forest impact and deliver on your deforestation-free and net zero commitments



Coffee farm, Peru, Starling Monitoring

Innovation and technology like Starling is accelerating our journey towards zero deforestation. This is transforming the way we manage deforestation risks in our palm oil supply chain – we are using this tool to hold our suppliers and ourselves accountable.

Magdi Batato
Executive Vice President, Head of Operations, Nestlé

Agriculture

Satellite imagery offers valuable insights into various aspects of land and agriculture, allowing stakeholders to implement sustainable practices and optimise productivity

Nitrogen fertilization advice

Airbus' expertise in conversion of crop biomass using satellite data helps farmers to optimise their crop management, improving yields and sustainability objectives by providing insights and advice for soil health, crop growth and carbon storage quantification at a large scale.

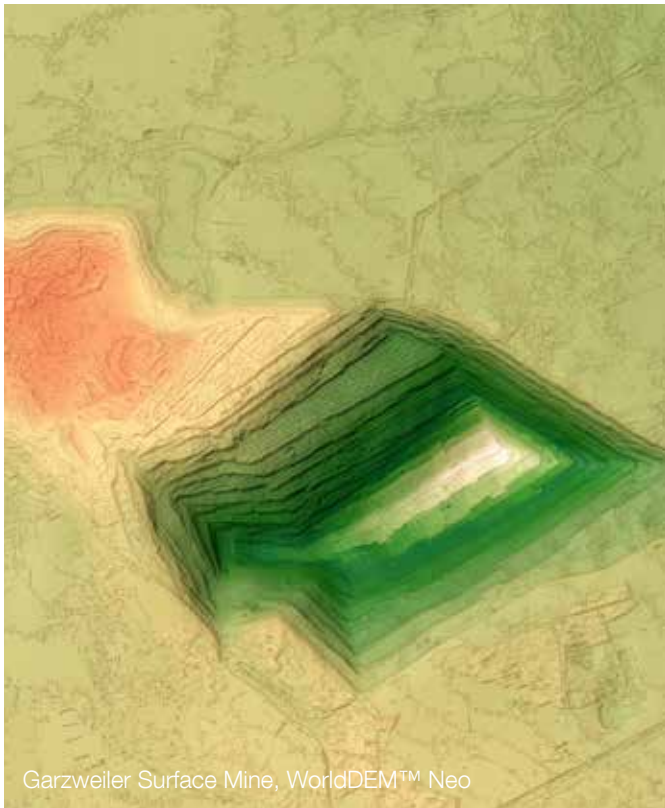
Grassland insurance

Airbus' satellite image processing and agronomic modelling expertise allows assessment of grassland health and productivity, aiding insurers in measuring risk and providing coverage for livestock and agricultural assets.



Crop Analytics, USA, Agricultural fields

Data and Solutions



Garzweiler Surface Mine, WorldDEM™ Neo

Oil Gas, Mining & Energy

Our unique Earth Observation satellite constellation provides valuable data to support exploration, production and monitoring of assets

Development

High-precision digital elevation models and mapping solutions provide the accurate and up-to-date information you need about the surrounding landscape, helping you make informed decisions on planning and construction of assets.

Production

Enabling rapid access to our specific solutions and services allows you to proactively monitor site activity and react quickly in emergency situations, minimising downtime and reputational risk.

Decommissioning

When a project comes to the end, we continue to provide cost-effective tools for security and environmental monitoring to measure and reduce its impact.

Maritime

Airbus' satellite imagery and data enables detection of maritime vessels, observation of dark activity, navigational assistance, support to search and rescue operations and maritime pollution monitoring from coastal areas to open seas



Port of Rio de Janeiro, Brazil, Pléiades Neo

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Coordination with the Airbus Tasking Team was a key factor in the success of our project, which combined programming, algorithms and navigation. This experience makes it possible to consider many new ways of improving the detection of offshore plastic.

*Bruno Sainte Rose
Fluid Mechanic Expert*

Solving your Challenges with Geospatial

Land Administration and Mapping

Based on its best-in-class satellite imagery captured daily, Airbus is able to provide accurate and fresh imagery, answering to the most demanding mapping challenges. Our radar and optical constellations can deliver global 360-degree 3D photorealistic views to perfectly reflect the reality of our world



The HD15 imagery derived from Pléiades Neo satellites perfectly meets our needs for building identification. Airbus imagery delivers up-to-date cartographic information over a defined area, presenting a more agile and cost-effective alternative to aerial providers.

Pierre Bernard
Geographic Information Systems Engineer

cadema
CONSULTANTS & ENGINEERS
DIEM BENE - MAROUSSOUL

Sydney, Australia, Pléiades Neo 3D Textured Model

Civil Engineering

We support infrastructure planning and monitoring by providing terrain characteristics, and environmental conditions, helping civil engineers design and manage construction projects

A tool to make informed decisions

Engineers can capture, analyse and combine Airbus imagery and data with other data sources from city and local levels to get a complete overview with very high accuracy anywhere in the world.

Infrastructure monitoring

Gain a high-level view of the evolving urban landscape, monitor the progress of large construction projects for more accurate reporting, and improve the systems that matter most to communities using Airbus data and imaging.



Bamez Dam, Ethiopia, Pléiades Neo

Data and Solutions

Banking and Finance

Satellite imagery supports risk management for banking and finance sectors by providing insights into environmental factors, such as natural disasters and land use changes, which can impact asset valuation and investment decisions

Insurance and risk assessment

Leverage Airbus' continuous satellite imaging and historic image archive to feed pricing models, validate claims and credit, forecast potential risk, and identify opportunities within new markets.

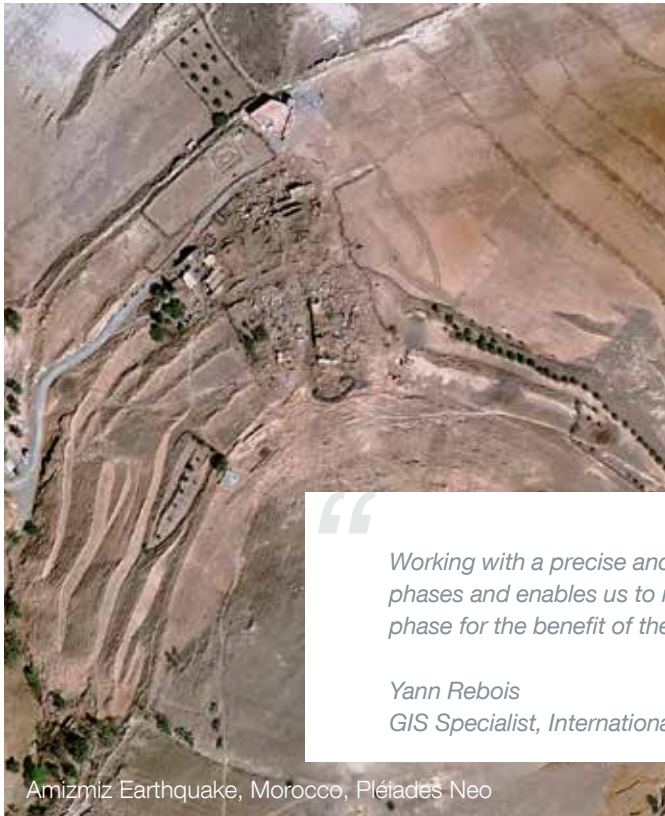
Sustainable finance and impact investing

Daily revisit and global coverage enable investment firms to deploy private finance and sovereign funds towards more sustainable outcomes by assessing and managing environmental risks.



Emergency Response

Airbus' satellite imagery provides near real-time information over areas that have been affected by a natural disaster, allowing rapid assessment of damage and resource allocation in the field. After earthquakes, floods or severe drought, our imagery can help identify safe evacuation routes, pinpointing areas that are the most suitable for emergency shelters



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Working with a precise and quality Digital Terrain Model minimises the evaluation phases and enables us to move on more quickly to the implementation and set-up phase for the benefit of the civil population affected by conflicts.

Yann Rebois
GIS Specialist, International Committee of the Red Cross

Amizmiz Earthquake, Morocco, Pléiades Neo





Airbus Defence and Space

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

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