

DEFENCE AND SPACE

Strat-Observer

Redefining Earth Observation,
shaping the future.



AIRBUS

Stratospheric Optical Earth Observation

Unlock the future of remote sensing: Strat-Observer combines satellites' endurance with drones' persistence to offer you continuous access to the geospatial information you need, directly from the stratosphere.

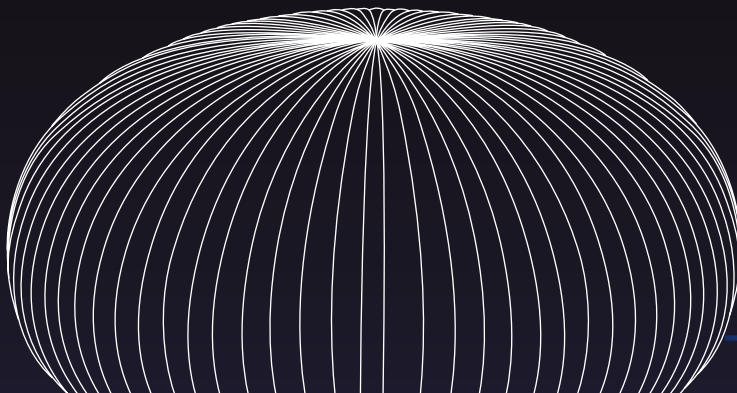


SUSTAINABLE

Relies

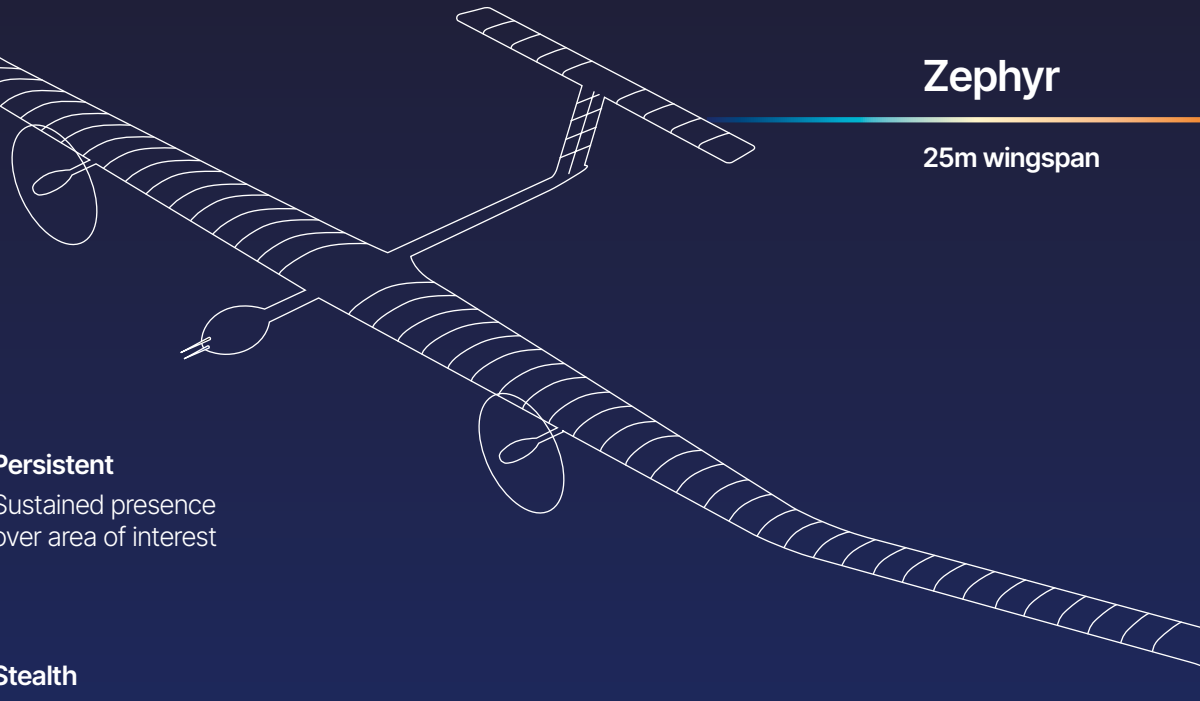
-100%

on solar power



Maneuverable balloons

20m diameter



Zephyr

25m wingspan

High-Altitude Pseudo-Satellites, a revolution in Earth Observation

- 

Highly endurant

Proven ability to operate for several months, deployable globally
- 

Persistent

Sustained presence over area of interest
- 

Versatility

Rapid-response: On-demand re-tasking for evolving operational needs
- 

Stealth

From an altitude of 16 to 22km, HAPS operate above commercial air traffic

Real-time video surveillance, anywhere, anytime

- 

Video and imagery in real time

Request, processing and live acquisition of images and video
- 

Wide field of regard and precision targeting

To monitor expansive areas and zoom in on specific zones
- 

AI Analytics

For automatic detection and rapid decision-making
- 

Very High resolution

From 10m and up to 15cm resolution
- 

Optical and Infrared

For day and night monitoring
- 

Dynamic tracking

Demonstrated ability to monitor tracks, borders and dynamic events

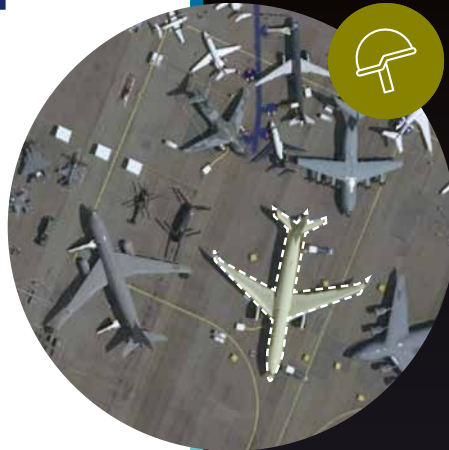
Our latest generation of global stratospheric Earth Observation services delivers very-high resolution imagery and video taken from any type of High Altitude Pseudo-Satellites (HAPS) directly to our customers. Strat-Observer joins the world-leading Airbus Constellation of optical and radar satellites, offering new geospatial capabilities based on persistence, live-streamed geoinformation and intelligence.

How can Strat-Observer support your needs?

Defence

Sensitive site surveillance

Continuous monitoring offers vital intelligence on border activities, military movements and vehicle traffic across strategically important areas.



Maritime

Sea activities monitoring

Contribute to the safety and protection of our oceans by monitoring illegal fishing, piracy, human migration and other narcotics trafficking.



Environment

Wildfire detection and reignition

Ensure public safety and environmental protection with active fire reignition monitoring.



Security

Emergency response monitoring

Real-time, high-resolution data enables emergency responders to quickly assess the situation and effectively plan and coordinate their response efforts.



AIRBUS

Airbus Defence and Space

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

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