



HAPS Alliance

HIGH ALTITUDE PLATFORM STATION

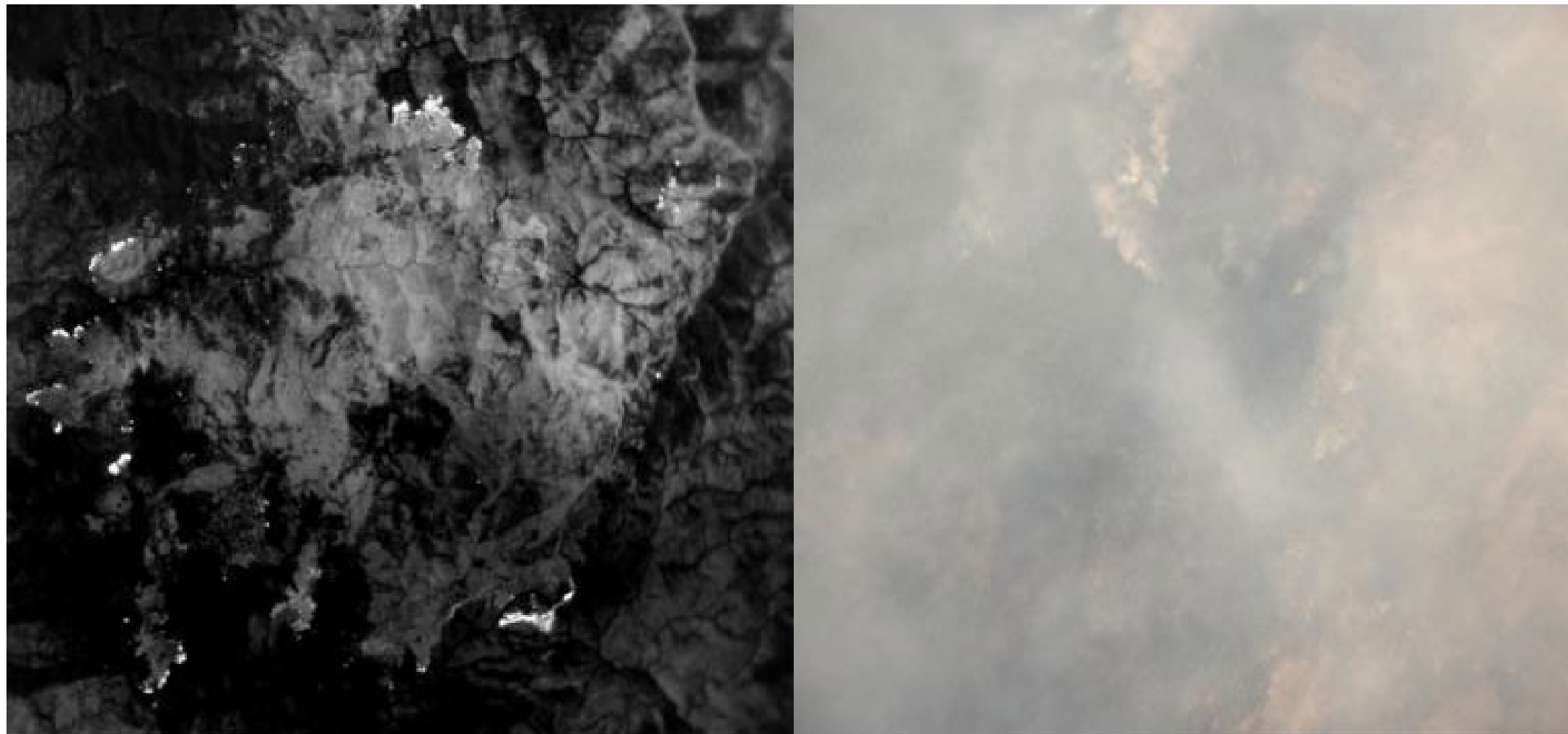
HAPS Alliance Member Achievements

Updated as of Q3 2023

Aerostar

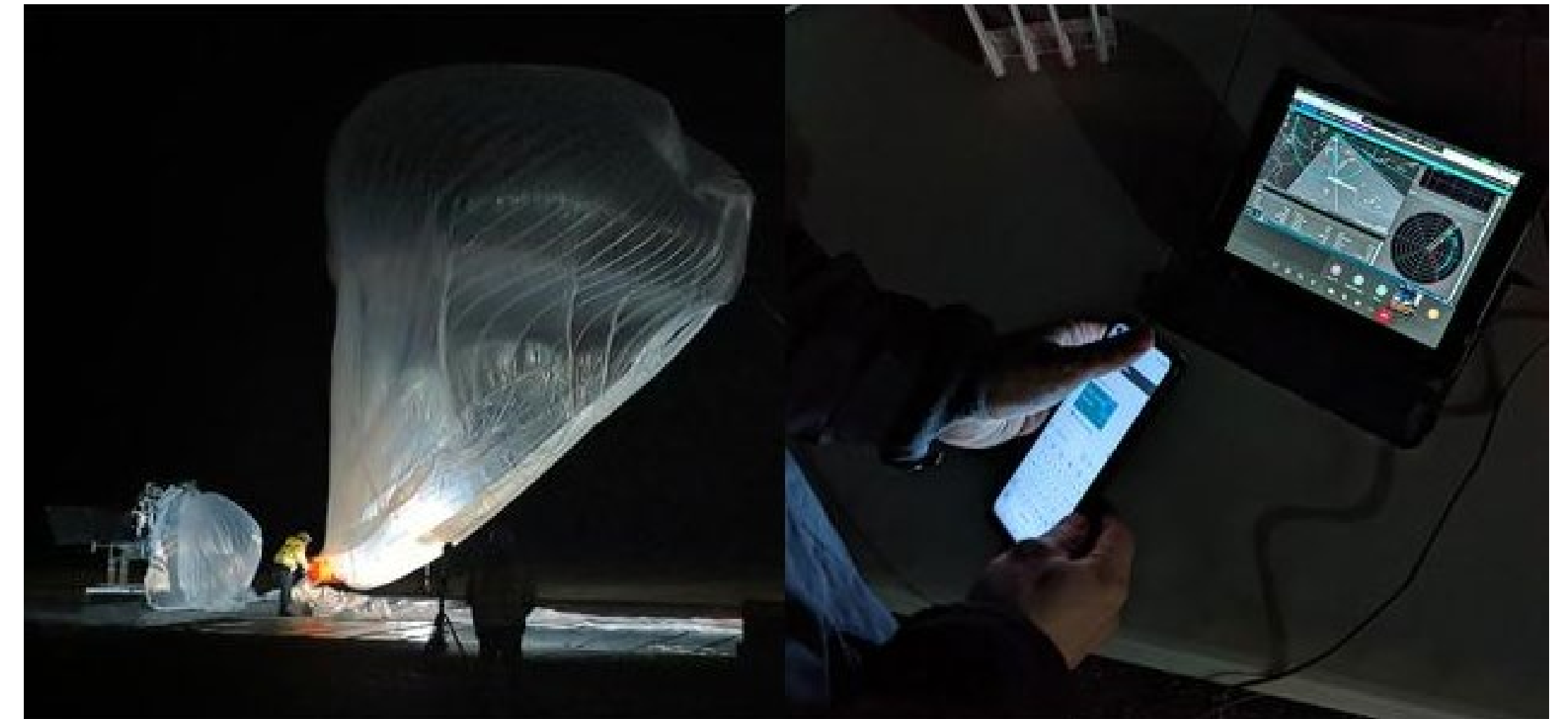
September 2021

Aerostar Uses Stratospheric Balloon Technology to Monitor Wildfires
Details



April 2022

Aerostar Provides Cellular Connectivity from the Stratosphere Via Thunderhead Balloon System
Details



Aerostar

August 2022

Aerostar teams up with NASA and Forest Service to test special balloons in Northwest to monitor large wildfires.

Details



May 2023

Stratospheric balloons reach new heights in U.S. only months after crisis with China

Details



Aerostar

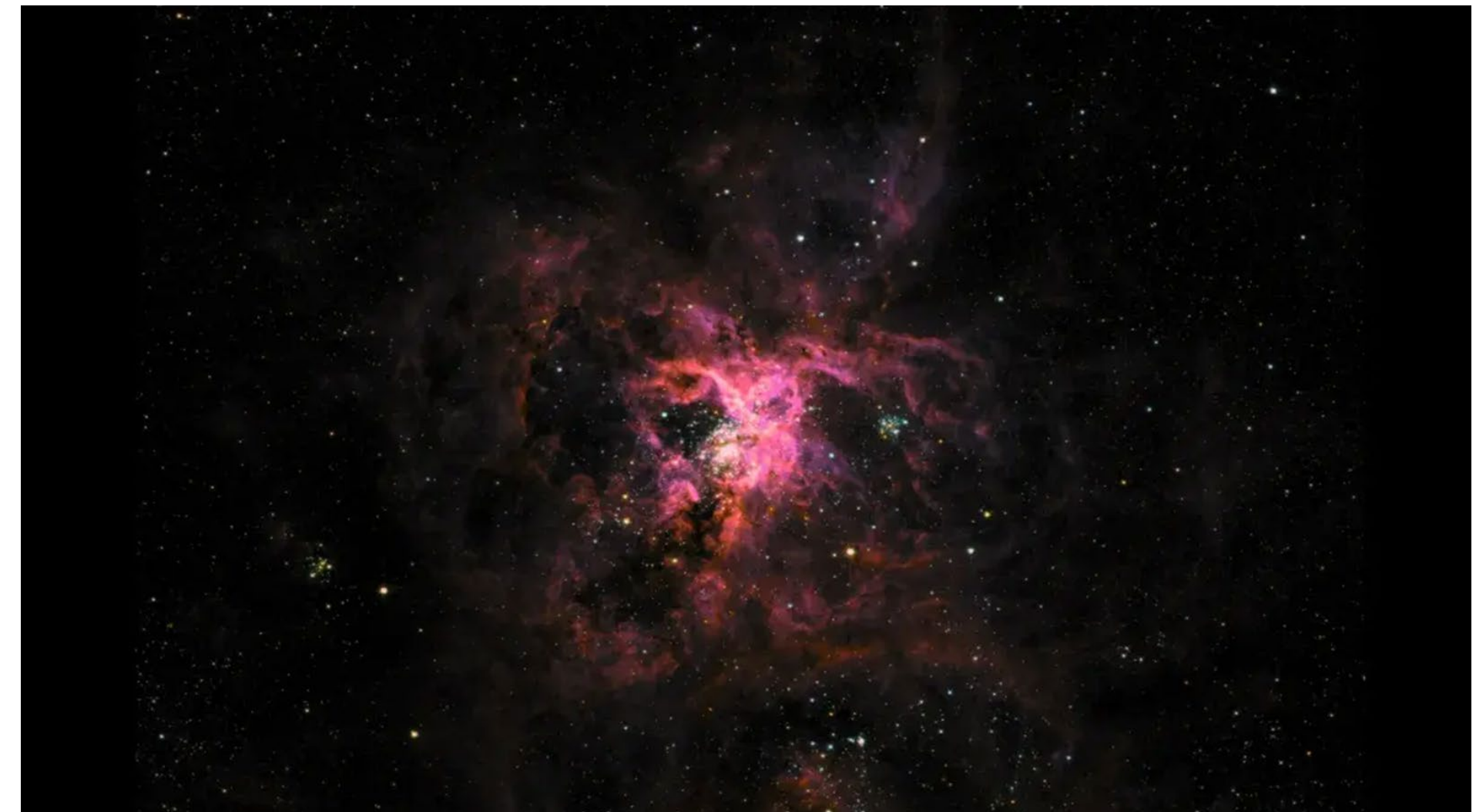
March 2023

Aerostar Thunderhead Balloons Complete
150+ Day World Tour
Details



May 2023

NASA Successfully Completes Globetrotting
SuperBIT Balloon Flight
Details



Airbus / AALTO HAPS

November 2022

Airbus partners with Space Compass to serve the Japanese market with mobile connectivity and earth observation solutions

Details



January 2023

Airbus to spin out pioneering solar-powered drone programme

Details

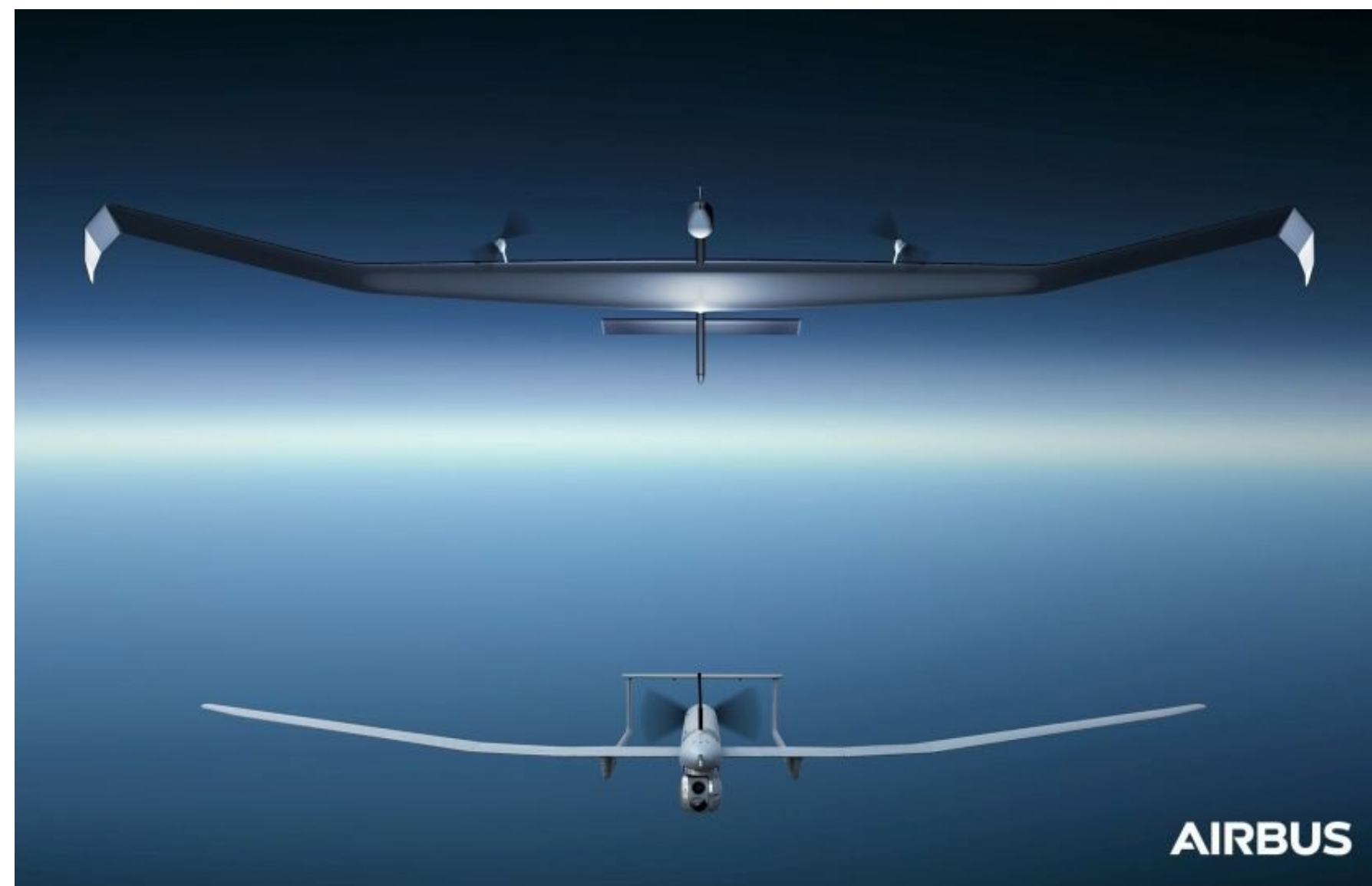


Airbus / NTT Docomo

August 2021

NTT Docomo, Airbus collaboration to use high altitude systems to expand 5G and 6G commercial connectivity

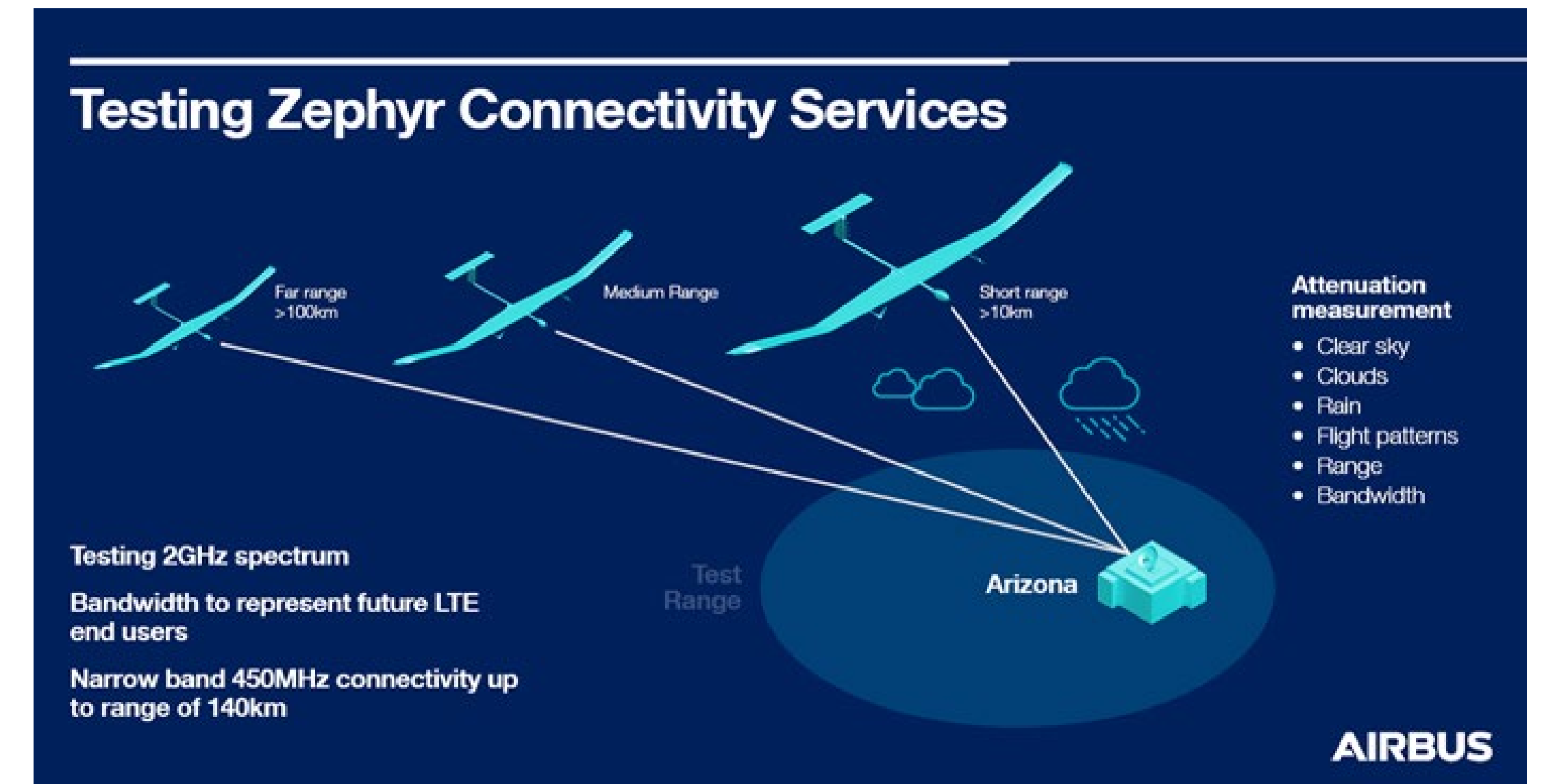
Details



November 2021

Zephyr High Altitude Platform Station (HAPS) achieves connectivity in trial conducted by Airbus and NTT DOCOMO

Details

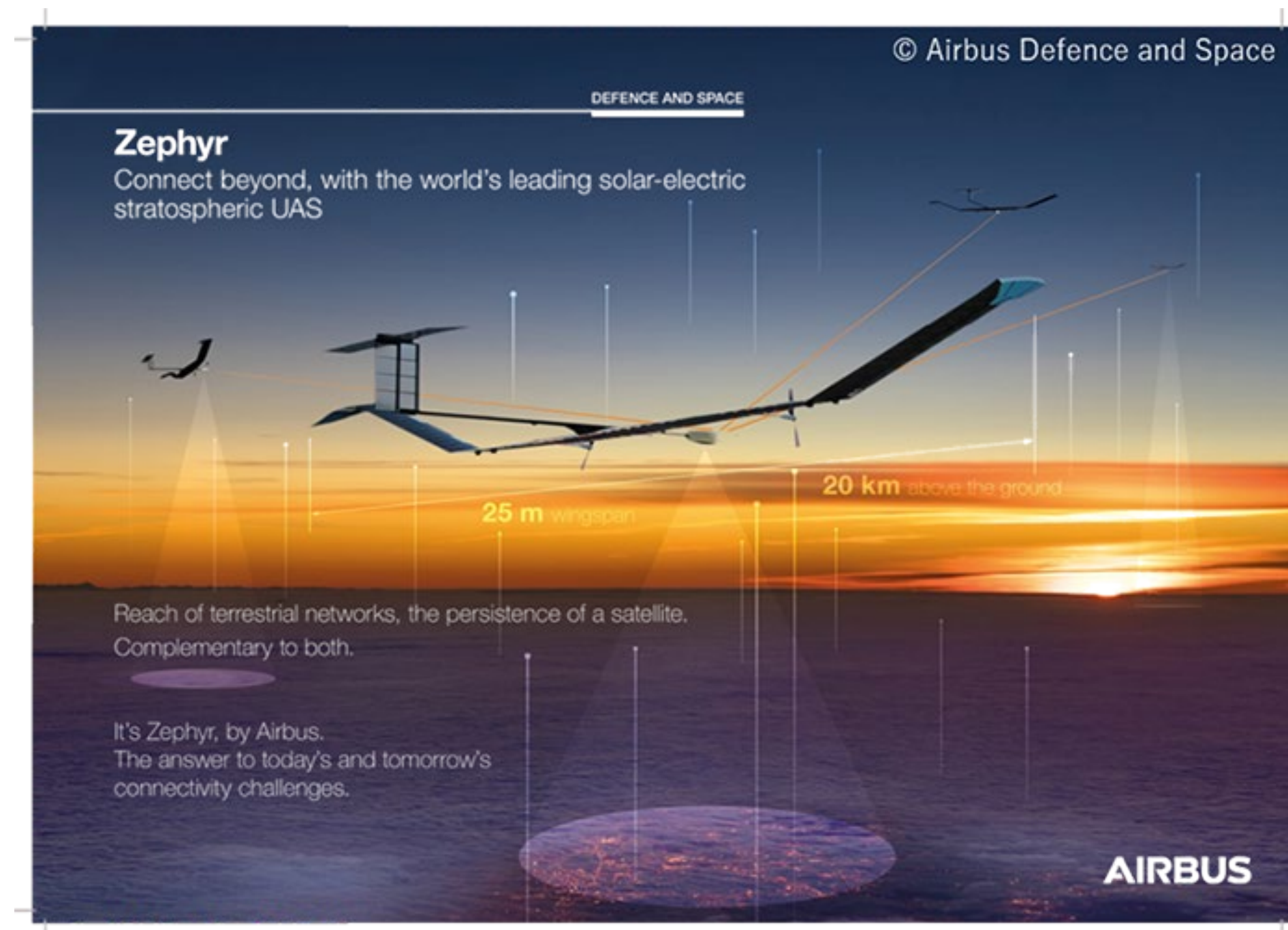


Airbus / NTT Docomo / SKY Perfect JSAT

January 2022

Airbus, NTT, DOCOMO and SKY Perfect JSAT Jointly Studying Connectivity Services from High-Altitude Platform Stations (HAPS) - Targeting future global wireless-connectivity services combining satellites and HAPS

Details



Deutsche Telekom

February 2023

Deutsche Telekom and European Space Agency strive for maximum resilience

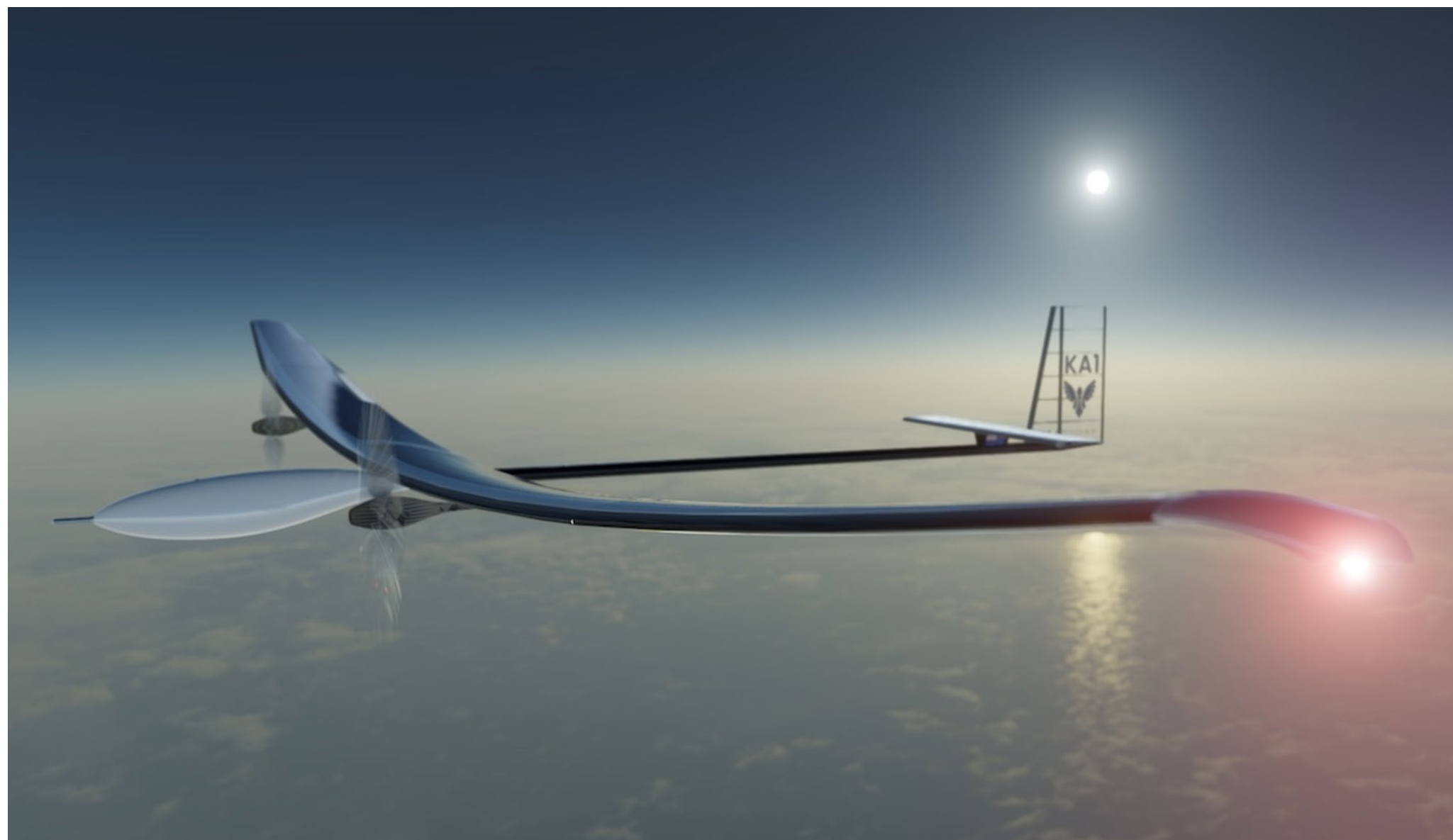
Details



Kea Aerospace

September 2022

New Zealand Stratospheric Aircraft Design
Unveiled
Details



March 2023

Kea Atmos Mk1 Stratospheric Aircraft Takes
Flight
Details



Prismatic/BAE Systems

July 2023

BAE Systems' HAPS UAS successfully completes stratospheric flight

Details

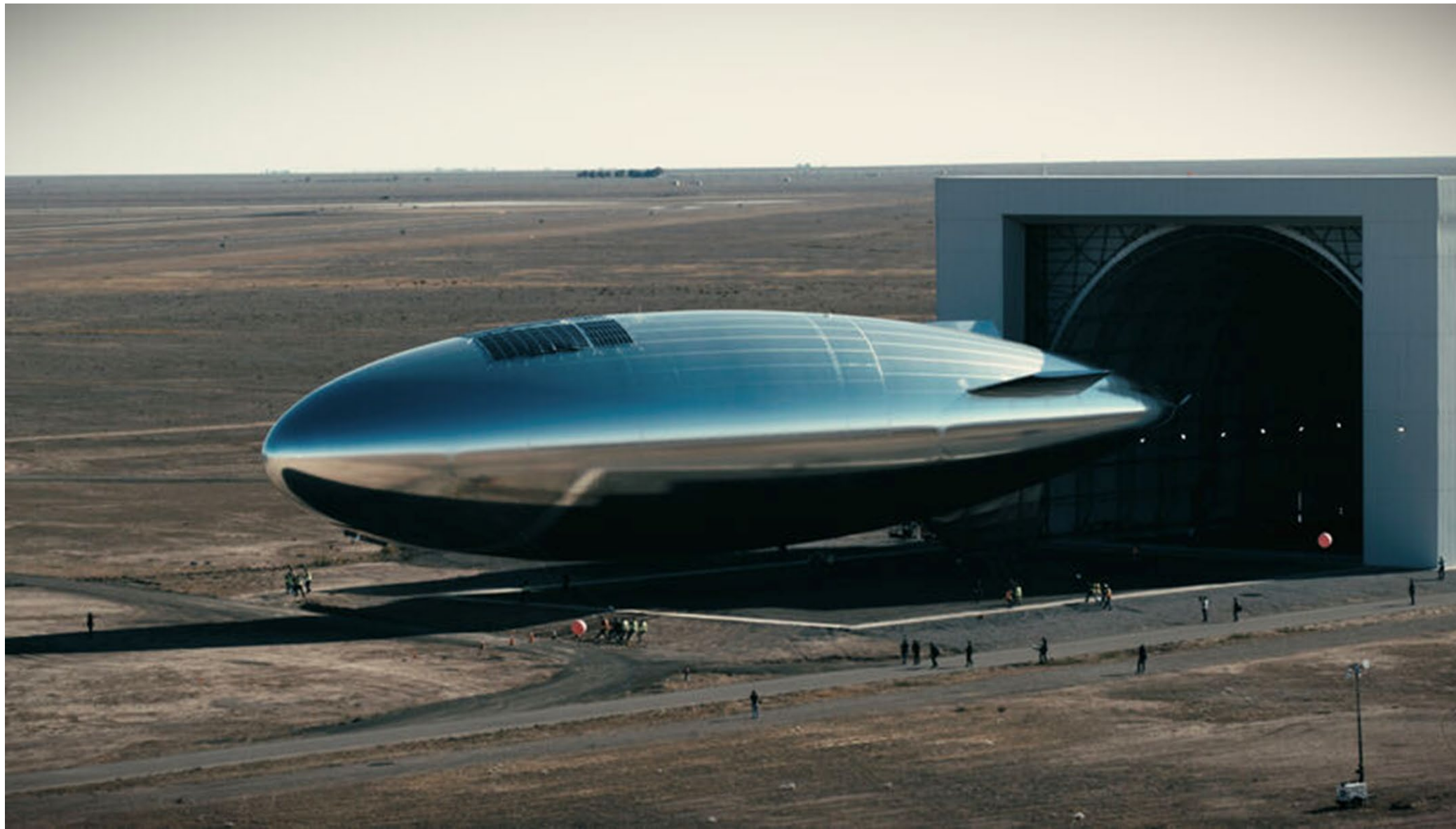


Sceye

August 2021

EPA, New Mexico collaborate with Sceye on air quality monitoring initiative

Details



March 2022

Sceye Tests Automated Ascent and Reaches the Stratosphere Again

Details



June 2022

Sceye HAPS Ascend to Stratosphere Using Renewable Energy Sources Details



HAPSMobile / SoftBank

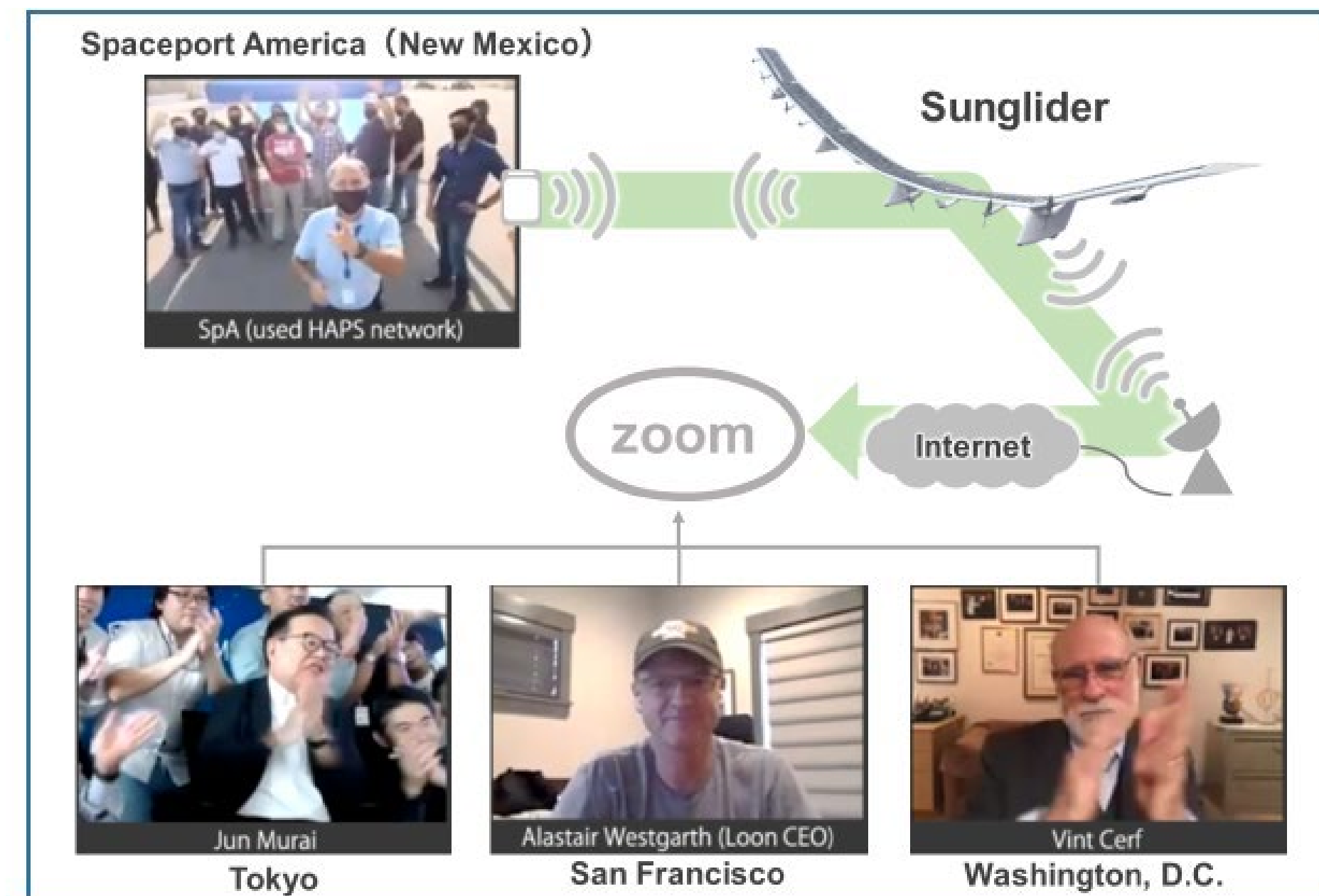
October 2020

HAPSMobile's Sunlider Succeeds in
Stratospheric Test Flight
Details



October 2020

HAPSMobile and Loon First in the World to
Deliver LTE Connectivity from a Fixed-Wing
Autonomous Aircraft in the Stratosphere
Details



HAPSMobile / SoftBank

September 2021

SoftBank Corp. and HAPSMobile Accelerate High Altitude Platform Station (HAPS) R&D to Provide Stable and High-quality Connectivity for Future Commercial Services

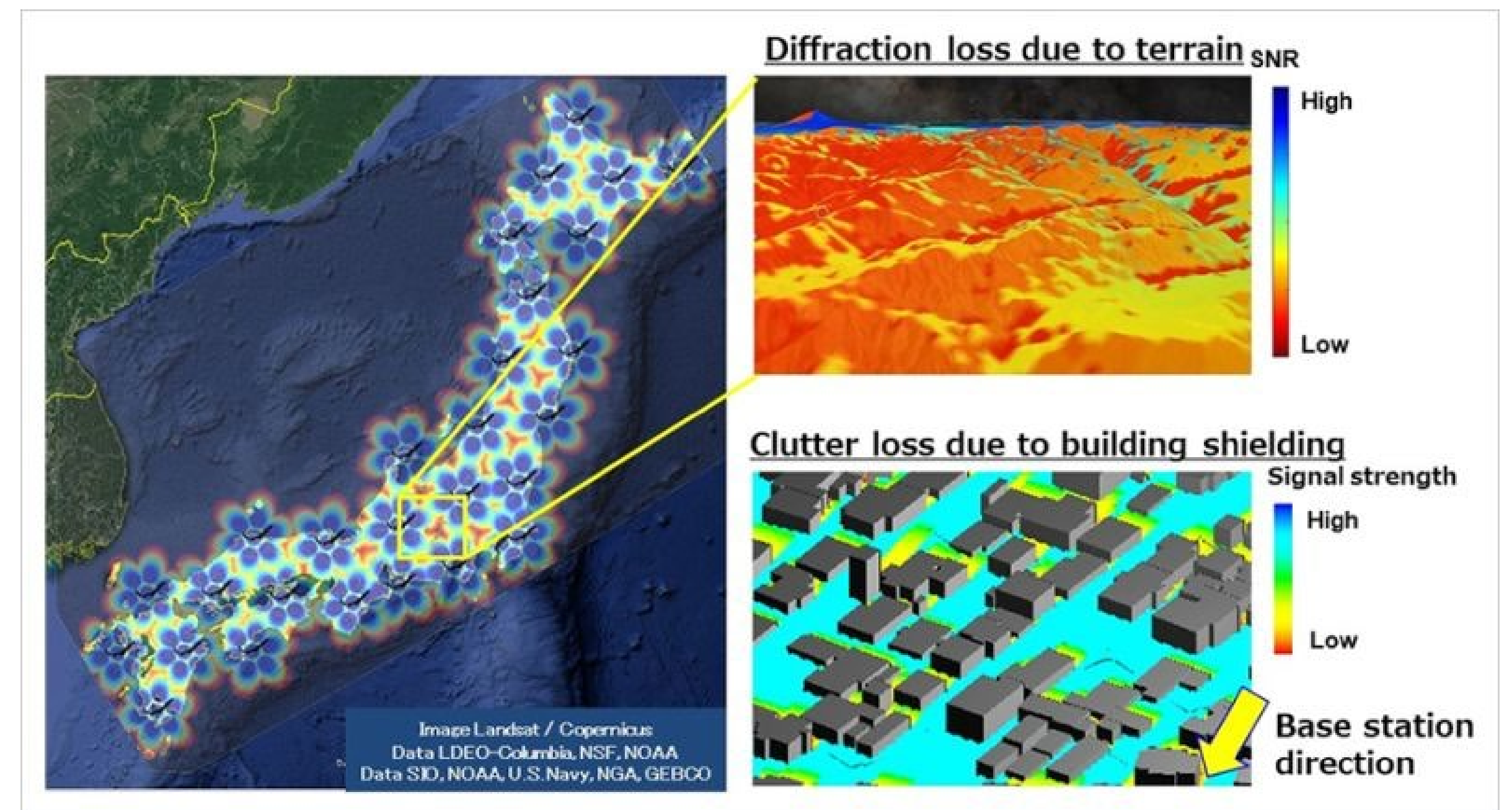
Details



November 2022

SoftBank Corp. and HAPSMobile Develop Radiowave Propagation Simulator for HAPS Based on ITU-R Global Standard

Details



HAPSMobile / SoftBank

March 2023

SoftBank Corp. Develops Battery Pack with Next-generation Lithium-metal Battery Cells and Successfully Demonstrates Operation in the Stratosphere

Details



June 2023

SoftBank Corp. and Nidec Jointly Develop Light-weight, High-efficiency and High-reliability Motor for High Altitude Platform Stations

Details



Stratospheric Platforms Limited

March 2022

SPL Announces World First 5G Transmission from the Stratosphere

Details



July 2023

SPL and BT commenced a trial project for demonstration of SPLs super scale phased array antenna integrated into BTs network. A section of the antenna will be mounted on a tall building at BT's Ad Astral Park research centre. Complex beamforming and handset separation testing will be demonstrated in an outdoor environment.

Details

Stratospheric Platforms Limited

January 2023

BT Group and SPL look to the stratosphere to deliver 4G and 5G coverage to hard-to-reach areas of the UK

Details

