Company Overview

World View is a global leader in the development of innovative high-altitude flight technologies that serve a variety of mission functions and applications. Principally among those innovations is the Stratollite™, which is a breakthrough stratospheric vehicle offering long-duration persistent flight over customer-specified areas of interest.

World Leaders in Stratospheric Flight

Since its incorporation in 2012, World View has successfully conducted over 50 balloon missions ranging in complexity from single instrument missions to manned flights that include the world record parachute jump from 136,000 ft. by Google Executive Alan Eustace in 2014. Today, World View designs and manufactures its own stratospheric balloons and Stratocraft, which together provide new persistent flight capabilities at the edge of space. World View’s new 142,000 sq. ft. global HQ located in Tucson, AZ, is the world’s first purpose-built stratospheric ballooning facility, located directly adjacent to the ~700 ft. diameter launchpad that is Spaceport Tucson.

A World Class Team

World View is led by veterans of spaceflight, space sciences, and high-altitude ballooning, including two former NASA astronauts, NASA’s former Chief of Space Science Programs, former Biosphere 2 crew members, and the core team that holds the altitude record for the highest manned balloon flight in history. The company is financially backed by industry titans in technology, including prominent Silicon Valley venture capital firms Canaan Partners and Norwest Venture Partners.
The Stratollite™
A Navigable & Persistent Stratospheric Flight Vehicle

The Stratollite is a remotely operated stratospheric vehicle that delivers commercial, scientific, and government payloads to the near-space environment with revolutionary new control capabilities. The vehicle provides point-to-point navigational steering over large distances and persistent flight capabilities over specific areas of interest. The Stratollite operates at altitudes of up to 95,000 ft. (~29 km) for days, weeks and eventually months on end, with a payload capacity of 50 kg and 250 W of power (heavier payload capacity is under development and will be made available soon.) The Stratollite combines many of the benefits and capabilities of geo-stationary satellites, LEO satellites, and high-altitude drones, all at a fraction of the cost.

Breakthrough Altitude Control Technology

Sustained controlled flight in the stratosphere has remained technically out of reach until now, with the advent of World View’s proprietary altitude control technology. The Stratollite leverages the natural currents of the stratosphere, which offer 360° countervailing wind patterns at various altitudes between 65,000 and 95,000 ft. By using a unique buoyancy control system, the vehicle can rise and descend in altitude to harness the desired directional propulsive power of different stratospheric winds, giving the commercial customer complete navigational steering and/or station-keeping capability. When the mission is complete, World View’s Aerodynamic Descent System (ADS) will guide payloads to a precise landing point, reducing the risk of landing in inaccessible or poor conditions.

Key Applications

The Stratollite can house multiple instruments for a variety applications, including:

- Weather: Loiter above severe weather systems in remote locations
- Remote Sensing: ~50km diameter footprint (45°) from altitude
- Communications: ~1,000km footprint from altitude
- Deployed Constellations deliver broad area coverage

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