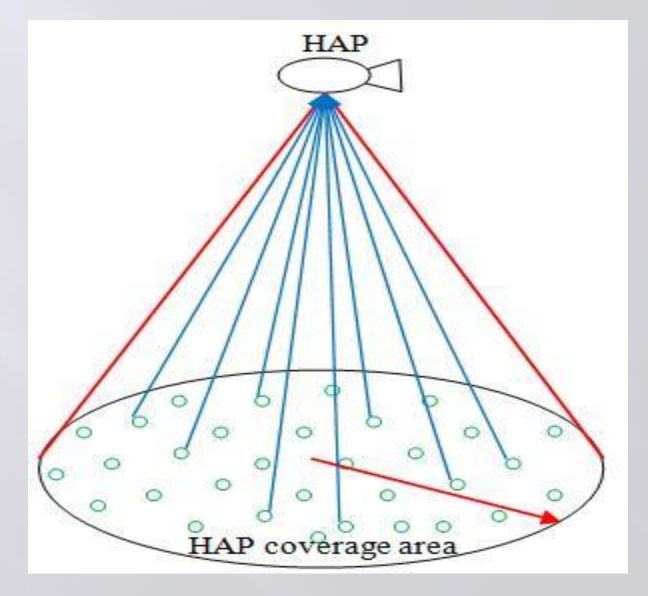


HIGH ALTITUDE PLATFORMS NOW? TELECOM INFRASTRUCTURE FROM THE STRATOSPHERE



GEOSTATIONARY – LIGHTER THAN AIR HIGH ALTITUDE PLATFORM



AVEALTO HIGH ALTITUDE VEHICLE

Remains In stationary position at 20 to 25 Kilometers Altitude

Replaces the Functions of Geo-Synchronous Communications Satellites

Low Latency for Better Voice Quality Higher Throughput for Increased Data Capacity Can utilize Existing Ground Stations

Lower Cost and Better Quality Services

Mobile Backhaul – Maritime Communications Aviation Communication - M2M Communications Emergency Communications Systems

Performs Other Functions Now Reserved for Satellites

Geo Location Topological Studies Wildlife Monitoring & Vegetation Studies Weather Forecasting & Observation





SIGNIFICANT TECHNICAL **IMPROVEMENTS** IN 4 AREAS MAKE HIGH ALTITUDE COMMUNICATIONS **PLATFORMS VIABLE NOW !**

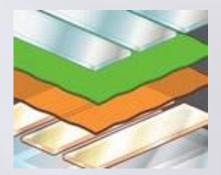
MATERIALS Lighter and Stronger



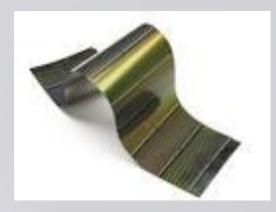




SOLAR CELLS Increased Efficiency







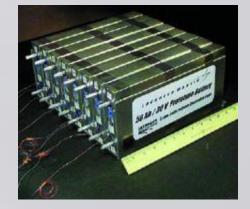


BATTERIES More Power – Less Weight





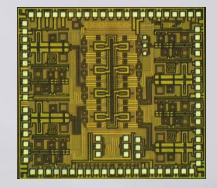






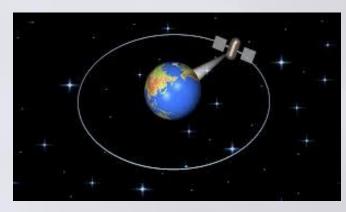
COMMUNICATIONS ELECTRONICS Better – Cheaper - Smaller







HIGH ALTITUDE PLATFORMS CAN PERFORM SPECIFIC TELECOM FUNCTIONS BETTER & AT A LOWER COST THAN OTHER TECHNOLOGIES



GEOSAT



LEOSAT



TERRESTRIAL MICROWAVE



FIBER OPTIC CABLE

FEASIBILITY TESTING IS COMPLETED AVEALTO HAP VEHICLE IS IN FINAL DEVELOPMENT STAGE



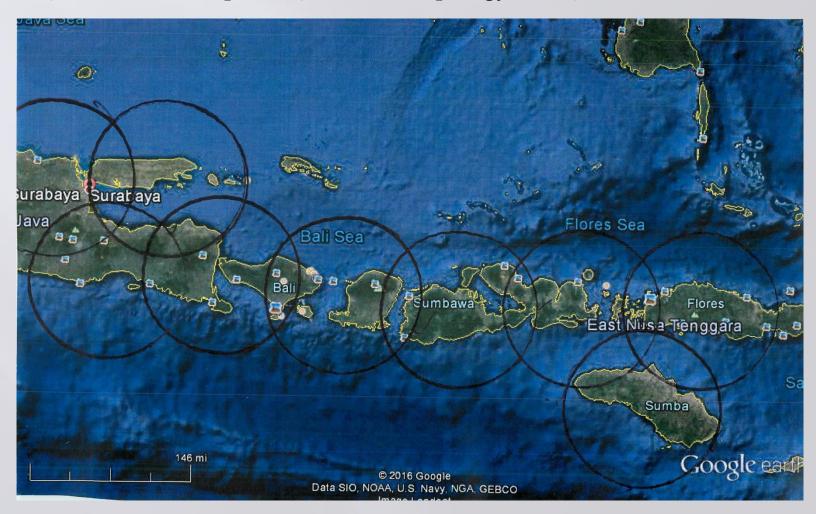


AREA 42: BLACK ROCK DESERT - NEVADA 28 METER (92 FOOT) TEST VEHICLE SEPTEMBER 16, 2018



HAP COVERAGE AREA

At a height of 25 kilometers each High Altitude Vehicle will have line of sight of around 565 kilometers (351 miles) in diameter. Due to topological obstacles and radio propagation characteristics, a realistic coverage area for each HAP is around 240 kilometers (150 miles) in diameter over most land areas and around 480 Kilometers (300 miles) over oceans or plains (where the topology is flat).



AVEALTO PARTNERS

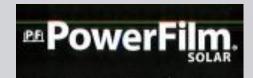
























avealto

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