



Nikkei Business Names Top Flight Technologies' Hybrid-powered Engine to Solving Power and Payload Challenges for Flying Cars in their Article "Next Generation Mobility - The Impact of Flying Cars"

This premiere Japanese business magazine points to hybrid-powered engines (gasoline plus electricity), as being produced by Top Flight Technologies, to surmount the lack of power available in battery-only solutions to address the needs of future flying cars.

Tokyo, Japan – June 12, 2017 – The following is a Japanese Financial Analyst executive summary translated into English from the published Nikkei Business article – June 12, 2017

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Top Flight Technologies (Top Flight) was featured in an article of Japanese famous business magazine "Nikkei Business" along with UBER and Airbus. Scrum Ventures was mentioned as an investor in the article as well. This weekly magazine is recognized as providing updated business information and read by many Japanese executives.

The article's main topic is "Next Generation Mobility - The Impact of Flying Cars". The biggest issue treated in the article was the disruption of automobile industry. In other words, due to the development of electrical technology, the flying car will be a mainstream of future public transportation. This is because the flying car can reach a destination in a straight line making it faster than a car. Moreover, the flying car can avoid traffic jams and can carry goods to an area where traffic is shut off by a disaster as an autonomous flying taxi. In fact, many companies like Airbus and UBER are investing in the flying car business. For example, Larry Page, CEO of Alphabet put his money into Kitty Hawk and Zee Aero which are flying car companies. Many European companies like AeroMobile, E-Volo, Lillium Aviation, Airbus have already succeeded test flights of their flying car. Thus this competition of developing the flying car is getting more and more intense. The key issue is which company will be a main provider of the flying car?

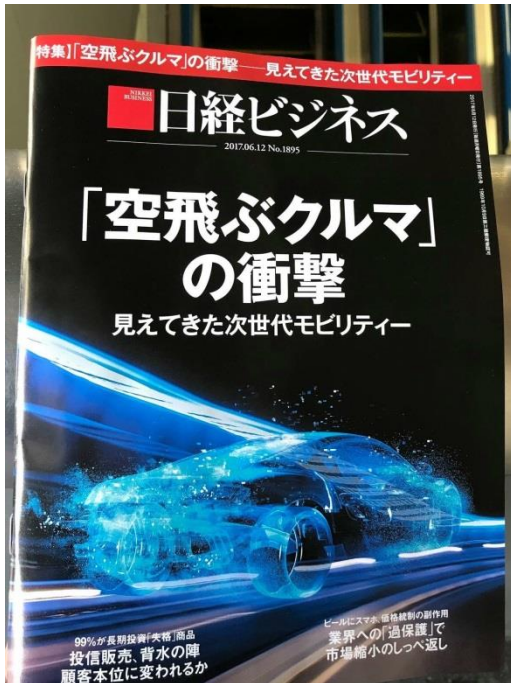
In this article, three companies "Top Flight Technologies", "UBER" and "Airbus" are picked as main players.

Top Flight was picked as the closest company to realize a flying car, because Top Flight can solve the biggest problem. That is, using "Hybrid" gasoline and electric power combined, like a Toyota Prius, it can carry heavy loads. In addition to this, reserved electric power is useful when an emergency occurs. According to TopFlight, its flying UAV with hybrid-power system called "Airborg H8 10K" can fly 1 hour with up to 15kg payload. In 4-5 years it will be able to carry maximum 8 people and fly 3 hours. On the other hand, most of flying car companies uses only electric power for autonomous flying car systems. The existing battery power is not enough to deliver heavy loads. "Hybrid power" is the most unique point compared to the other companies.

UBER was also picked as an example of flying car's future transportation system. At the end of this April, UBER announced a flying "VTOL (Vertical Take-Off and Landing)" taxi. This system would help avoid congestion and improve commute times. Thus in the near future UBER will provide the fastest transportation way by combining a car and a flying car. To realize its plan, Dallas and Dubai will be launch

cities for the UBER Elevate concept. UBER targets 2020 for on-demand VTOL demo flights in these two cities. UBER aims to debut the Uber Elevate network when Dubai hosts the World's Fair in 2020. Besides, UBER announced the partnerships with the government of Dubai and Dallas, Aurora Flight Sciences, Embraer, Bell Helicopter, Pistrel Aircraft, Mooney and ChargePoint to accelerate its plan.

Airbus was picked as a big company and a professional of aviation industry to join this flying car competition. Airbus revealed the Project "Vahana" which is an electric, driverless, flying taxi. Airbus is trying to provide a reasonable transportation service by using a self-developed flying car. Currently, it costs more than \$100 from San Francisco to San Jose by UBER or Taxi. However, the Airbus's service will cost less than \$80 and the total time will be half.



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