

# THE FUTURE OF AIR TRANSPORT VERTIPOINTS & VERTICAL TAKEOFF AND LANDING AIRCRAFT

The future of electric helicopters called Electric Vertical Take Off and Landing (EVTOL) has begun. These vertical take-off and landing aircraft don't require the runway of old and are the new approach to air connectivity between regions.

This paper highlights some of the links and the changes that is happening in the aircraft industry and presents you with the opportunity to investigate and read further regarding what the future of aviation is for smaller towns and communities.

Because vertical take off and landing aircraft don't need large amounts of land and/or space, the question regarding what the future of an airport is has started now.

Smaller airports will change as new technology and new ways of moving people are developed. Runways will be for larger more energy intensive planes.

## VERTIPOINTS ON VERGE OF NEXT EVOLUTION IN AVIATION



In this link (following page) the article explores what tomorrow looks like regarding the modern airport – or vertiport.

“Companies are close to introducing electric vertical take-off and landing vehicles (eVTOLs), helicopter-like aircraft that will take passengers from airports to destinations as far as 100 miles away. Airports are preparing for eVTOLs by planning where the so-called “vertiports” can take off and land.”

<https://blueskypit.com/2022/07/01/vertiports-on-verge-of-next-evolution-in-aviation/>

## NEW VTOL AIRCRAFT TO SERVE SHORT ROUTES

This is an interesting article from smart cities.

“Experts say short take-off and landing aircraft will disrupt aviation and bring flyers closer to city centres.

By mid-decade, it may be possible to fly in a vertical take-off and landing (VTOL), avoiding the congestion of highways and major airports. That’s according to James Dorris, co-founder, and CEO at Odys Aviation.

Sanjiv Singh, a consulting professor at The Robotics Institute at Carnegie Mellon University and CEO of Near Earth Autonomy. He sees VTOL aircraft as the leading disruptor of the aviation industry, expecting it to become a \$1 trillion market by 2040. Others have made similar projections in recent years.”

[www.smartcitiesdive.com/news/sxsw-evtol-aircraft-to-serve-short-routes-by-mid-decade-sxsw](http://www.smartcitiesdive.com/news/sxsw-evtol-aircraft-to-serve-short-routes-by-mid-decade-sxsw)



## THE FUTURE OF AIR MOBILITY

This article by McKinsey’s is an in depth look at the future of vertical take off and landing aircraft, as well as how the economics of it works.

The major point of the article being that change is on its way and it’s likely to upend the air transportation industry.

<https://www.mckinsey.com/~media/mckinsey/featured%20insights/the%20next%20normal/the-next-normal-the-future-of-air-mobility.pdf>



### FOR MORE INFORMATION

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This is an occasional paper by Kapiti Airport. For more information feel free to contact us. (2022)