

VAHANA MARK AT 2019 EAA AIRVENTURE OSHKOSH

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From 22 to 28 July Airbus Urban Mobility's eVTOL demonstrator vehicle was on display at EAA AirVenture Oshkosh, underscoring the critical role that electric flight will play in the future of aviation.

The Vahana Alpha Two eVTOL demonstrator—fresh from a week-long stint at the Paris Air Show in mid-June—is now set to capture the imagination of event goers at EAA AirVenture Oshkosh.

Thanks to its forward-looking design and revolutionary vertical electric flight concept, Vahana commands attention, attracting the curiosity of aviation fans and industry professionals alike. In recent years, eVTOL vehicles like Vahana have been fixtures at international air shows in Paris (France), Farnborough (UK), and Oshkosh (USA). And it is not hard to see why: electric-propulsion technology is widely considered the future of aviation in that it pushes the industry towards zero-emission flight. Today, more than 150 eVTOL concepts are in development in the race to become the world's first market-ready

eVTOL vehicle. According to the Vertical Flight Society, \$1 billion has been poured into eVTOL and hybrid VTOL concepts. In addition, industry analysts predict the eVTOL market will reach a cumulative \$285 billion in business by 2030.

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From small-scale mock-up to full-scale demonstrator

Last displayed at EAA AirVenture Oshkosh in 2017, Vahana has come a long way since its previous showing. Back then, it was a quarter-scale mock-up showcased next to other urban air mobility vehicle concepts as only a small part of the Airbus pavilion. Today, Vahana is a full-scale demonstrator vehicle that recently completed a full transition flight. The more than 80 flight tests—which Vahana has undertaken since the flight test programme began in 2018—have helped to validate the overall design and configuration. The lessons learned from Vahana will enable Airbus Urban Mobility to develop a future market-ready eVTOL vehicle.

The Vahana Alpha Two demonstrator is on display at EAA AirVenture Oshkosh from 22 to 28 July, 2019. Vahana Chief Engineer Geoffrey Bower will also be in attendance to speak on Vahana's successes and the journey from napkin sketch to full-scale demonstrator.



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