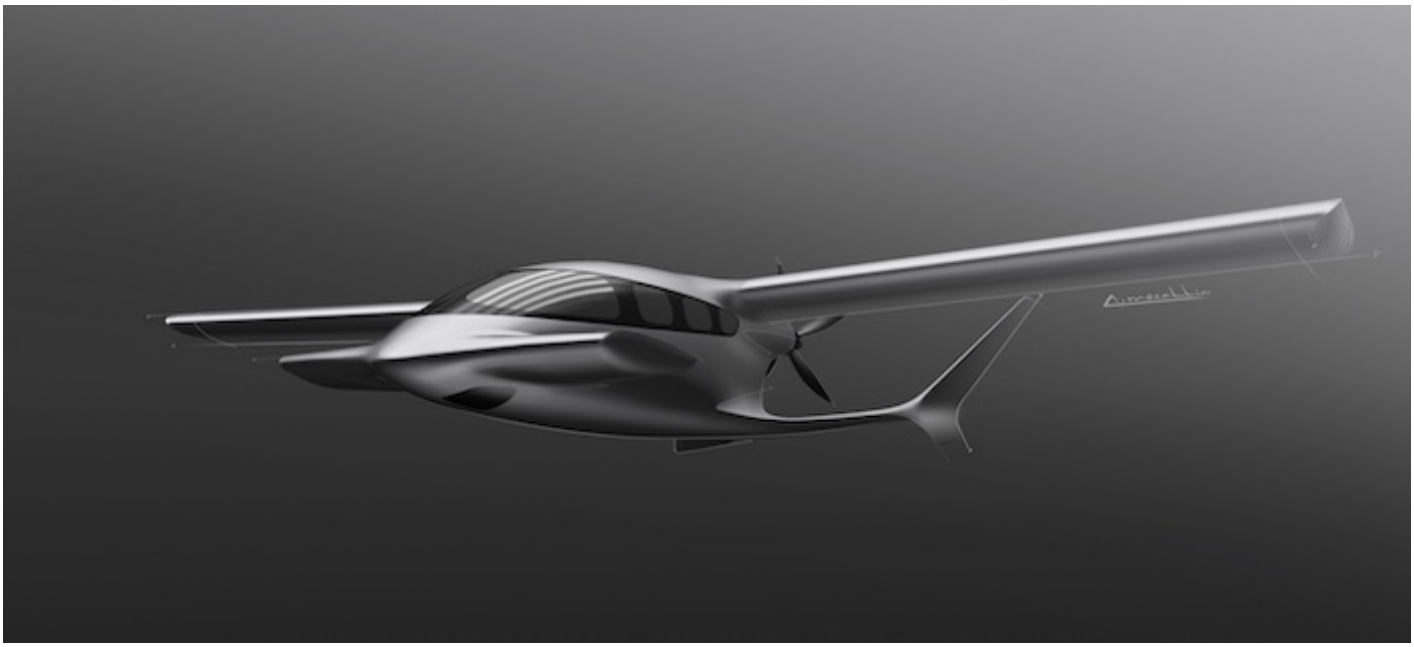
HORIZON AIRCRAFT UNVEILS KEY ADVANCES FOR FULL-SCALE CAVORITE X7

News / Business aviation, Manufacturer



Horizon Aircraft shares exciting technical updates on the Cavorite X7 that elevate safety, aerodynamics, and cruise performance.Following the successful transition flight of its large-scale prototype in May 2025 that validated company's patented fan-in-wing technology, Horizon Aircraft has been designing and building its full-scale hybrid-electric VTOL aircraft. The Cavorite X7's refined design has been a collaboration between Horizon Aircraft's highly skilled engineering team and internationally acclaimed mobility designer Andrea Mocellin resulting in a design that further enhances safety while optimizing performance.

The following updates have been made:

Vertical Lift Fans – The aircraft features a total of 12 vertical lift fans: five in each wing and one in each canard. Replacing four smaller canard fans with two wing-size fans standardizes all 12 units, improving manufacturing efficiency, increasing performance, and simplifying maintenance. This update was achieved without compromising safety margins, enabled by a redundant, dual-motor architecture powering each lift fan.

Aerodynamic Surface Improvements – The canard and tails have been reprofiled to lower drag, improve cruise efficiency and enhance stability.

Enhanced Passenger Experience – The Cavorite X7's cabin has been slightly extended and its windows redesigned to provide more legroom and improved sightlines, creating a more comfortable and premium experience for passengers.

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Horizon Aircraft Co-Founder and CEO Brandon Robinson commented: “These technical updates are a result of our world-class engineering team’s ability to effectively enhance the performance of our aircraft. We remain committed to building one of the safest, toughest, and most performant modern VTOL aircraft, and these updates further advance that mission.”



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