



EVIACTION PARTNERS SIEMENS FOR NINE-PASSENGER ALICE AIRCRAFT FLEETS

News / Manufacturer



Eviation Aircraft had selected Siemens to provide high-power, all-electric propulsion systems for Eviation's fleet of regional Alice electric planes. The Eviation and Siemens collaboration marks a significant point in the commercialization of aviation's first all-electric plane, Alice, and electric propulsion systems, designed for this new era of air mobility. The Alice will be displayed at the upcoming Paris Air Show and will conduct its first flight later this year.

Keeping innovation and performance top of mind, Eviation has created a new era in aviation with the Alice. Inspired by the new design possibilities that emerged by replacing turbine engines with all electric motors, Eviation and its team have reimagined what sleek, stylish and cost effective air mobility can be with the introduction of Alice. Siemens was selected for Eviation's Alice motor for their leading development in extremely low weight and high-power compact efficient motors, especially designed to meet aviation standards and safety regulations. With a significant push toward bringing all-electric flight to regional markets, Siemens and Eviation will work on propulsion system integration, including: electrical integration, FBW system connectivity, thermal management system development and mechanical mounting.

"At Siemens, we believe that we are in a new era of aviation and mobility, an era that will be dominated by high-performing electric propulsion, automation and efficiency, which is why partnering with Eviation is so befitting. This partnership will serve as an industry milestone to demonstrate information exchange and system adaptations to create the first all-electric solution," said Dr. Frank Anton, Head eAircraft. "We are committed to providing technology that provides solutions to some of the world's most challenging problems, and by collaborating with Eviation to develop the Alice, we are able to further our mission."

The Alice leverages an IP portfolio that includes innovations in thermal management and autonomous landing, as well as distributed electric propulsion, industry-leading battery technology and cutting-edge composite body frames, capable of flying with nine passengers at 220 knots to a range of 650 miles on a single charge. Following test flights this year and certification in 2021, Eviation will begin shipping the aircraft for commercial use in 2022.

"For more than 150 years, Siemens has been a pioneer in developing motors designed for performance, efficiency and are well-respected for reliability. By utilizing Siemens' advanced motor technology, Alice is further established as a front runner for high performing zero-emission electric aviation," said Omer Bar-Yohay. "We are thrilled to collaborate with Siemens to develop the first fully-operational all-electric regional commuter and we're pleased to work with iconic partners who share our vision of making clean regional air travel accessible for all."

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