EVOLUTION OF THE BYE AEROSPACE EFLYER 4 DESIGN

News / Business aviation, Manufacturer

Bye Aerospace advances in aerodynamic analysis performance characteristics for its four-seat all-electric airplane in development, the eFlyer 4.

George E. Bye, CEO of Bye Aerospace, said the eFlyer 4 program has continued to push the envelope for single motor electric aircraft. “The projected aerodynamic performance for this 200-knot airplane continues to mature and improve,” Bye said. “This is due to its sleek fuselage profile and advanced wing design. The eFlyer 4’s unprecedented 48 inch-wide cabin is quiet and without compromise and will carry an 860 lb. payload.”

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Powered by a 200 kW (268) HP) all-electric propulsion system, eFlyer 4 is targeted for the air-taxi and advanced training markets. Bye Aerospace recently unveiled the game-changing eight-seat eFlyer 800, announcing purchase deposit agreements with Jet It, JetClub, and Rheinland Air Service GmbH (RAS). The company currently has approximately 800 airplanes in its production backlog over its three models of eFlyer aircraft.

The eFlyer family of aircraft aims to be the first FAA-certified, practical, all-electric airplanes to serve the flight training and general aviation markets. All the company's current and future families of aircraft feature engineering, research and electric aircraft solutions are designed to specifically address compelling market needs. Benefits include five-fold lower operating costs, no CO2 emissions and decreased noise. Bye Aerospace estimates the eFlyer will eventually eliminate the release of millions of metric tons of CO2 each year as its deliveries begin and the general aviation fleet is replaced.

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Bye Aerospace announced as well that they will supply the Garmin G500 TXi avionics system on the two-seat eFlyer 2.

“Bye Aerospace is very pleased to work with industry-leading Garmin and their engineering team on the world’s first 14 CFR 23 normal category electric aircraft and avionics suite,” said George E. Bye, CEO of Bye Aerospace. “We want to provide our flight school customers with the best user experience possible, and we believe the G500 TXi is the ideal avionics package.”

“We are proud to work with the Bye Aerospace team to support the electric aircraft market with the G500 TXi flight display and a suite of Garmin avionics providing VFR and IFR GPS/NAV/COMM, standby, and transponder capabilities,” said Carl Wolf, Garmin vice president of aviation sales and marketing. “The modern G500 TXi flight display has been tailored for the eFlyer 2 to display its electric propulsion information, while also adding advanced capabilities such as safety enhancing synthetic vision, terrain and traffic alerting, geo-referenced charts, and more. These impressive capabilities are all featured on an intuitive, high-resolution touchscreen display that makes G500

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TXi in the eFlyer 2 ideal for the global flight training market.”

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