

EFLYER ALL-ELECTRIC AIRCRAFT TO BE EQUIPPED WITH ENGINE ELECTRIC START MOTORS

News / Manufacturer



Bye Aerospace and Safran Electrical & Power announced that a Cooperation Agreement has been signed to equip the eFlyer 2 & eFlyer 4 aircraft with the ENGINEUSTM electric smart motors. Bye Aerospace is FAA-certifying the two-seat, all-electric eFlyer 2 for the professional flight training mission and the four-seat eFlyer 4 for air-taxi and advanced

training uses. All of Bye Aerospace's current and future families of aircraft feature exemplary engineering, research, and electric aircraft solutions producing no CO2 and are designed to answer compelling market needs. These needs include five-fold lower operating costs, no CO2 emissions, and decreased noise. Bye Aerospace estimates the eFlyer will eliminate the release of millions of metric tons of CO2 each year for flight training alone.

The ENGINEUS™ product line includes a broad range of electric motors with power outputs from single digit to 500 kW. The ENGINEUS™ 100 product line, that will equip eFlyer 2 & eFlyer 4, delivers very high performance and features a fully integrated motor controller within the machine. The thermal management is provided by an optimized air-cooling system, jointly integrated by Safran & Bye Aerospace into the aircraft structure.

“Bye Aerospace has concluded that Safran's ENGINEUS™ 100 smart electric motor is the optimal production solution to meet the requirements of our rigorous FAA and EASA certification schedules for eFlyer 2 and eFlyer 4,” said George E. Bye, CEO of Bye Aerospace. “Our list of future eFlyer purchase agreements, currently at 711 units, continues to grow, and we must continue forward at a high-tempo pace to meet the demands of aviation enthusiasts worldwide who have been waiting years for all-electric airplanes to come to market.”

“Safran is extremely proud to collaborate with Bye Aerospace, which has developed a strong vision for the future of electrical flights, from the eFlyer 2 and eFlyer 4 to the commuters and regional airplanes”, said Hervé Blanc, Executive Vice President & General Manager of the Power division at Safran Electrical & Power. “This new contract demonstrates the success of our ENGINEUSTM product line and confirms the strong interest of the market in our approach to further increase the electric powertrain performance while simultaneously progressing the certification and production system readiness”.

ELECTRICAL & POWER

SAFRAN & BYE AEROSPACE ANNOUNCE ENGINE^{eUS}™ ELECTRIC SMART MOTORS WILL EQUIP eFLYER 2 AND eFLYER 4

- > Leading the electric aviation revolution
- > FAA Part 23-certified all-electric aircraft
- > Disruptive platform for professional flight training and air-taxi
- > Significantly reduced emission (no CO₂, -30dB)
- > Operating costs only 1/5 of conventional airplanes

HIGH-PERFORMANCE SMART MOTOR

BEST-IN-CLASS POWER DENSITY

ENGAGED ON FAA & EASA TYPE CERTIFICATE APPLICATIONS

HIGH-VOLUME PRODUCTION SYSTEM READY

BYE AEROSPACE

ePower

SAFRAN

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