



EVE AIR MOBILITY NAMES KAI AS SUPPLIER FOR EVTOL PYLONS

News / Business aviation, Manufacturer



Eve Air Mobility named Korea Aerospace Industries as supplier for its electric vertical takeoff and landing aircraft's pylons. Pylons are a key component of the airframe that provide support for the aircraft's electric power units and eight lift propellers. During the past 30 years, KAI has supplied major aerostructure components to global aircraft manufacturers, including Embraer for its E-Jet E2 model. The agreement marks KAI's formal entry into the advanced air mobility market. Last year, KAI CEO Goo Young Kang designated space and future air mobility as the company's core future businesses through its 2050 vision declaration. KAI recently announced a significant investment in production infrastructure with the goal of growing its market share in the rapidly growing AAM market going forward.

Johann Bordais, CEO of Eve, commented: "KAI has an excellent reputation for quality, technology and business performance supplying numerous aerostructure components for a variety of aircraft including Embraer's E-Jet E2 model. We are excited to have KAI join a strong and diverse list of suppliers who will work with us to supply components from prototype through production."

KAI is the latest supplier for Eve's eVTOL to be named by Eve. In February, Eve named Aciturri (wing skin, spars and leading/trailing edges of the wing) and Crouzet (pilot controls) as suppliers. In January, Eve announced that Thales would supply sensors and a computer, while Honeywell

would supply guidance, navigation and external lighting. RECARO Aircraft Seating was selected to supply the eVTOL's seats and FACC will supply the horizontal and vertical tail including the rudder and elevator. In 2023, Eve selected Garmin to supply the aircraft's avionics, Liebherr-Aerospace to supply the flight controls actuators and Intergalactic to provide the thermal management system. The company also named Nidec Aerospace, LLC, a joint venture between Nidec and Embraer, to provide the electric propulsion system, BAE Systems to provide the energy storage system and Duc Hélice Propellers to supply the rotors and propeller.

Eve's eVTOL aircraft utilizes a lift+cruise configuration with eight dedicated propellers for vertical flight and fixed wings to fly on cruise, with no change in the position of these components during flight. The latest concept includes an electric pusher powered by dual electric motors that provide propulsion redundancy with the goal of ensuring the highest levels of performance and safety. While offering numerous advantages such as lower cost of operation, fewer parts, optimized structures, and systems, it has been developed to offer efficient thrust with low sound.

Last year, the company announced that its first eVTOL production facility will be located in the city of Taubaté, in the state of São Paulo, Brazil. The company has begun assembly of its first full-scale eVTOL prototype which will be followed by a test campaign. Eve's eVTOL is scheduled to begin deliveries and enter into service in 2026. Concurrently, Eve continues to develop a comprehensive portfolio of agnostic service and operations solutions, including Vector, a unique Urban Air Traffic Management software to optimize and scale Urban Air Mobility operations worldwide.

15 APRIL 2024

ARTICLE LINK:

<https://mfa.50skyshades.com/news/manufacturer/eve-air-mobility-names-kai-as-supplier-for-evtol-pylons>