VERTICAL AEROSPACE SELECTS ASTRONICS AS LOW-VOLTAGE POWER DISTRIBUTION SUPPLIER FOR VALO

News / Manufacturer

Vertical Aerospace announced a long-term agreement with Astronics Corporation to supply the low-voltage power distribution system for Vertical's Valo eVTOL aircraft. Under the agreement, Astronics will provide the aircraft's LV power distribution system, including power conversion and distribution hardware that manages and protects electrical power for critical aircraft systems. The system converts high-voltage electrical power from the aircraft's propulsion architecture into low-voltage power used by avionics, flight controls and other essential onboard systems.

Stuart Simpson, CEO of Vertical Aerospace, commented: "Building a certifiable aircraft requires not only breakthrough technology, but also a world-class supplier ecosystem. Astronics brings deep expertise in aircraft electrical power systems and has already demonstrated its capabilities through our flight test programme. This agreement is another important step as we mature Valo's design, strengthen our supply chain and advance toward certification and commercial production."

Jon Neal, President of Astronics Advanced Electronic Systems, stated: "Astronics is proud to be working with Vertical Aerospace as the supplier of their power distribution system for the Valo aircraft. Our CorePower® system is purpose-built for eVTOL applications, combining high-voltage power conversion with low-voltage power distribution delivering reliable, fault-protected power to

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flight-critical systems including avionics, flight controls, and navigation. CorePower was designed from the ground up to meet aerospace certification standards, giving our customers a lightweight, compact solution that reduces integration risk and supports their path to type certification. We look forward to continuing our close collaboration with the Vertical team through CDR and Valo's entry into service.”

Astronics has supported Vertical throughout the prototype phase of aircraft development, with its hardware already integrated into Vertical's piloted flight test aircraft. The company's purpose-built eVTOL electrical power solutions and extensive aerospace experience make it the ideal supplier for Valo as Vertical advances toward certification and commercial production.

This agreement further strengthens Vertical's supplier ecosystem across Valo’s key aircraft systems, including leading suppliers such as Honeywell (flight control and aircraft management systems), Aciturri (airframe structures), Evolito (electric propulsion units), Hyundai WIA (landing gear), Syensqo (composite materials) and Isoclima (transparencies). The announcement follows continued progress on the Valo programme as Vertical advances toward Critical Design Review (CDR), establishing the certifiable design baseline for the aircraft ahead of certification-conforming aircraft production and testing.

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