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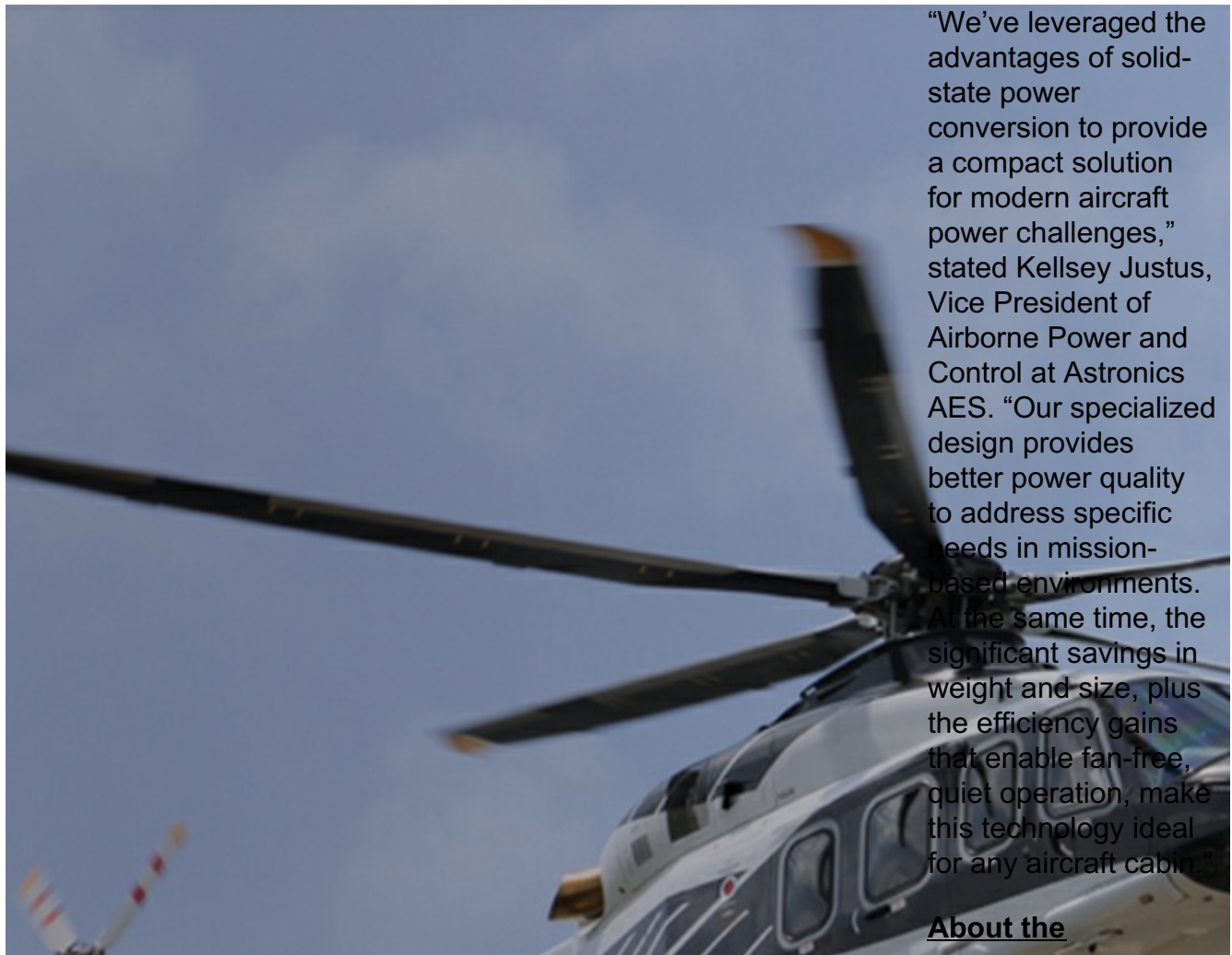


# Astronics AES Introduces New Frequency Conversion Unit for Aircraft Power Systems

***Leverages solid-state technology to provide significant performance improvements***

EAST AURORA , N.Y.--(BUSINESS WIRE)-- Astronics Corporation (Nasdaq: ATRO), a leading provider of advanced technologies for global aerospace, defense, and other mission critical industries, announces the availability of the new CorePower® [Frequency Converter Unit \(FCU\)](#). Offered by Astronics AES, a wholly owned subsidiary of Astronics, the new unit converts variable frequency power sources to constant 400Hz power to protect sensitive aircraft electronics from unregulated frequency and power surges.

This press release features multimedia. View the full release here:  
<https://www.businesswire.com/news/home/20190227005101/en/>



"We've leveraged the advantages of solid-state power conversion to provide a compact solution for modern aircraft power challenges," stated Kellsey Justus, Vice President of Airborne Power and Control at Astronics AES. "Our specialized design provides better power quality to address specific needs in mission-based environments. At the same time, the significant savings in weight and size, plus the efficiency gains that enable fan-free, quiet operation, make this technology ideal for any aircraft cabin."

**About the**



### **CorePower Frequency Converter Unit**

The CorePower FCU responds to current trends in aircraft power systems, which employ variable frequency (VF) generators instead of fixed frequency 400Hz generators. While the majority of aircraft loads can use VF power, select loads still require 400Hz. The FCU takes variable frequency 3-phase 115VAC input power (324Hz to 800Hz) and converts it to constant frequency 3-phase 115VAC output power (400Hz) for clean, conditioned power.

Astronics announced a new frequency converter unit with 95% efficiency in a 20% smaller package. (Photo: Business Wire)

Key benefits include:

- Nominal 95% efficiency, eliminating the need for a noisy cooling fan
- 35% lighter than competing units
- 20% smaller than competing units
- Low current distortion of 2%
- Tight voltage regulation, +/- 3V
- Built-in test and active health management functionality

Astronics AES is currently shipping production units to a launch customer.

Located in Kirkland, Washington, Astronics AES is an industry-leading manufacturer of aircraft electrical power systems, including power generation, conversion, and distribution. For more details on aircraft electrical power, visit [Astronics.com](https://www.astronics.com).

### **ABOUT ASTRONICS CORPORATION**

Astronics Corporation (Nasdaq: ATRO) serves the world's aerospace, defense, and other

mission critical industries with proven, innovative technology solutions. Astronics works side-by-side with customers, integrating its array of power, connectivity, lighting, structures, interiors and test technologies to solve complex challenges. For 50 years, Astronics has delivered creative, customer-focused solutions with exceptional responsiveness. Today, global airframe manufacturers, airlines, military branches, completion centers and Fortune 500 companies rely on the collaborative spirit and innovation of Astronics.

For more information on Astronics and its solutions, visit [Astronics.com](http://Astronics.com).

***Note to editors: Astronics will have the new unit on hand at Heli-Expo, in Atlanta, GA, from March 4-6. Make your appointment to view the product at the show by emailing [press@astronics.com](mailto:press@astronics.com).***

View source version on businesswire.com:

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Source: Astronics Corporation