Ampaire First to Achieve FAA G-1 Certification Basis for Hybrid Electric Propulsion System

- **FAA First:** AMP-H570 is the first hybrid electric system to earn a G-1 Certification Basis.
- **Regulatory Green Light:** Clears a key hurdle on the path to market.
- **Lower Costs, Fewer Emissions:** Retrofit-ready with no new infrastructure needed.

Ampaire's hybrid electric AMP-H570 propulsion system integrated into the Eco Caravan aircraft, at the company's flight test location in Camarillo, California.

Long Beach, CA – May 13, 2025 – Ampaire Inc., a leader in hybrid electric aircraft technology, announced today that the Federal Aviation Administration (FAA) has approved the G-1 Issue Paper for its AMP-H570 hybrid electric propulsion system. This approval establishes the airworthiness and environmental standards required for FAA Supplemental Type Certification, marking a significant milestone toward commercial deployment of Ampaire's hybrid electric solutions.

The FAA's G-1 Issue Paper defines the regulatory framework that the AMP-H570 must satisfy to achieve Supplemental Type Certification (STC). With this approval, Ampaire advances to the next phase: working with the FAA to finalize the Means of Compliance and complete the testing campaign to validate the technology.

The AMP-H570's hybrid architecture – similar in principle to early automotive hybrids – enables in-flight recharging and does not require ground charging infrastructure. Combined with its retrofit-ready design, the system offers a plug-and-play solution for operators, reducing both deployment time and upfront costs while accelerating the path to lower-emission aviation.

The AMP-H570 delivers clear economic benefits for regional airlines and cargo operators, including lower fuel consumption, reduced maintenance costs, and extended aircraft service life. This positions Ampaire as a commercially scalable, cost-effective solution for cleaner aviation. The system also supports compliance with tightening global emissions regulations – enabling operators to reduce carbon footprint without sacrificing operational performance or profitability.

Ampaire's Eco Caravan, equipped with the AMP-H570, has already demonstrated more than double the fuel efficiency of conventional aircraft during flight tests. Recent ground tests successfully ran the system on 100 percent sustainable aviation fuel (SAF), reinforcing Ampaire's leadership in practical, near-term solutions for sustainable aviation. The US Air Force has funded a research program to apply the AMP-H570 into the King Air, and other aircraft manufacturers have begun exploring both Integrated Parallel Hybrid and Series Hybrid applications of the AMP-H570 into new aircraft designs.

"The FAA's issuance of the G-1 Certification Basis for the AMP-H570 is a major step forward in commercializing hybrid electric propulsion," said Kevin Noertker, Cofounder and CEO of Ampaire. "This milestone demonstrates that we are executing on our regulatory roadmap, removing risk for investors and customers, and accelerating real-world deployment."

"Ampaire has worked for many years in close collaboration with our counterparts at the FAA," said Ed Lovelace, Chief Technology Officer. "This productive dynamic has been instrumental in ensuring the highest safety standards while supporting the commercialization of our impactful, innovative solutions. The FAA's engagement has been essential to making hybrid electric propulsion a viable, scalable option for the aviation industry."

Ampaire is now continuing work toward the G-2 Issue Paper with the FAA, which will establish the Means of Compliance for certification. The company remains on track to certify the AMP-H570 and the Eco Caravan by the end of 2026 – bringing lower-cost, lower-emission aircraft options to regional operators around the world.

About Ampaire

Ampaire, based in Long Beach, California, is an aviation company developing hybrid electric propulsion systems to reduce operating costs and emissions in air travel. Our mission is to be the world's most trusted developer of practical, compelling electrified aviation technologies.

Ampaire's hybrid electric systems are designed for both new aircraft and retrofits of existing fleets – with in–flight recharging capabilities and no need for new ground infrastructure. By delivering immediate fuel savings and emissions reductions, Ampaire offers economically compelling and scalable solutions that make sustainable aviation both practical and profitable.

For more information, visit www.ampaire.com.

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