



# Heart Aerospace partners with Garmin for a fully integrated flight deck in the first all-electric ES-19 airliner

*Selects the Garmin G3000 fully integrated flight deck for pioneer electric aircraft ES-19*

**Gothenburg, Dec. 9, 2021** – Heart Aerospace® today announced a long-term agreement with Garmin® International to provide the ES-19 electric airliner with Garmin G3000® integrated flight deck. Heart Aerospace is an electric airplane company headquartered in Gothenburg, Sweden, developing the ES-19, a nineteen-passenger regional aircraft driven entirely by batteries and electric motors. The first ES-19 is scheduled to enter into service by 2026. The first-generation aircraft will have a maximum range of up to 400 km using lithium-ion batteries. The ES-19 will have zero operational emissions and offer significantly lower operating costs compared to similar sized gas-turbine aircraft. The ES-19 aircraft will also be quieter than its turboprop counterparts, with less vibration and noise, making it ideal for the development of short-range regional air travel.

“We’re thrilled to have Garmin provide their industry-leading G3000 integrated flight deck, customized and optimized for integration and operation in our ES-19 all-electric airliner,” said Anders Forslund, CEO of Heart Aerospace. “Known for their award-winning innovation and unmatched reliability and performance, Garmin was the perfect avionics choice for this transformational aircraft.”

The modular Garmin G3000 integrated flight deck boasts light weight and vibrant high-resolution flight displays that support navigation, communication and flight sensor solutions and integrates seamlessly with the ES-19 aircraft systems. Specifically tailored to meet the needs of electric aircraft, the G3000 system that will be featured in Heart Aerospace’s ES-19 aircraft delivers enhanced capabilities to optimize their electric drive train and battery management systems. The G3000 is architected to provide the ability to efficiently facilitate future system upgrades as the electric aircraft industry continues to evolve.

“It’s an honour to have our G3000 integrated flight deck chosen for the ES-19 and to work alongside Heart Aerospace in their commitment to long-term sustainability by reducing aviation’s carbon emissions,” said Carl Wolf, Garmin vice president of aviation and marketing. “We’re confident in Heart’s practical, market-driven approach to expanding the regional air transport market with the introduction of the first all-electric airliner, whose lower operating costs has the potential to enable more universal access to air travel and a broader network of short-haul flights.”



## **About Heart Aerospace**

Heart Aerospace is an electric airplane company based in Gothenburg, Sweden. Founded in Gothenburg, Sweden, in 2018, the company is a spin-off from the Elise research program funded by the Swedish Government through the Swedish Innovation Agency Vinnova. Heart participated in the Y combinator startup accelerator in 2019, and closed its seed round in 2019 with lead investments from EQT Ventures and Norrsken Foundation. In 2021, United Airlines and Mesa Airlines made a purchase order for 200 ES-19 aircraft with an option for an additional 100 aircraft. The airlines also made large investments in the company, and in conjunction with the order, Heart Aerospace announced the closing of its Series A round, led by Breakthrough Energy Ventures.

Heart Aerospace is one of the founding members of the Nordic Network for Electric Aviation, together with airlines, airport operators and other stakeholders across the Nordic countries. In 2020, Heart was awarded a €2.5M grant from the European Investment Council as part of the European Green Deal. More information about Heart Aerospace can be found at <https://heartaerospace.com/>

## **About Garmin International, Inc.**

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