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XTI Aerospace Completes Design of TriFan 600 Flight Deck Mockup

The Flight Deck Mockup Design Meets a Key Product and Engineering Q1 Milestone

ENGLEWOOD, Colo., March 27, 2025 /PRNewswire/ -- XTI Aerospace, Inc. (NASDAQ: XTIA), a pioneer in VTOL and powered-lift aircraft solutions, today announced the completion of its TriFan 600 flight deck mockup design, marking the successful execution of a key product and engineering milestone for the first quarter of 2025.

The full-scale mockup serves as a critical tool in the rapid prototyping and ergonomic evaluation of the TriFan 600 flight deck. It will allow XTI's engineering team to collaborate with both fixed-wing and rotary-wing pilots to optimize critical elements such as the layout of controls, pilot interfaces, vision angles, and ease of ingress/egress. The completion of the mockup is an important step in refining the overall design and ensuring a user-friendly and efficient cockpit experience.

"The flight deck mock-up is a key tool for the engineering team to create an optimized and pilot-friendly environment," said Dave Ambrose, VP of Engineering at XTI Aircraft. "Because the TriFan 600 operates in flight modes of both a fixed wing airplane and a helicopter, we are exploring an optimal design that is comfortable for pilots operating in either environment. Safety is paramount, and this tool will allow us to continue to innovate and optimize the TriFan 600's pilot environment."

"When we talk about the 'customer,' there are many stakeholders for the TriFan 600, one of them being the pilot," said Scott Pomeroy, Chairman and CEO of XTI Aerospace. "The flight deck human factors mockup will help us ensure we have an airplane that is intuitive and innovative and that pilots love."

In a previous market update, XTI outlined six core product and engineering milestones for Q1, listed below, beginning with the downwash/outwash study and leading up to the launch

of the "Sparrow" subscale working model in early Q2.

Completed:

- Downwash / Outwash Study – Analyze airflows generated by the aircraft during vertical takeoff and landing to evaluate safety and performance
- Type Certification Application – Formally apply to the FAA for type certification of the TriFan 600
- Engine Air Inlets and Exhaust – Optimize air intake and exhaust design to enhance performance and efficiency of the propulsion system
- Fuel System Design – Optimize fuel system design to reduce unusable fuel and increase fuel capacity
- Flight Deck Mockup Design – Develop a flight deck human factors mockup to design and evaluate and optimize ergonomics, pilot controls, and vision polar

To Be Completed:

- Global Finite Element Model (GFEM) of the latest configuration – Update the comprehensive structural model to evaluate and optimize the aircraft's strength and load paths under various loading conditions

About XTI Aerospace, Inc.

XTI Aerospace (XTIAerospace.com) (Nasdaq: XTIA) is the parent company of XTI Aircraft Company, an aviation business based near Denver, Colorado, currently developing the TriFan 600, a fixed-wing business aircraft designed to have the vertical takeoff and landing (VTOL) capability of a helicopter, speeds of 345 mph and a range of 700 miles, creating an entirely new category – the vertical lift crossover airplane (VLCA). Additionally, the Inpixon (inpixon.com) business unit of XTI Aerospace is a leader in real-time location systems (RTLS) technology with customers around the world who use the Company's location intelligence solutions in factories and other industrial facilities to help optimize operations, increase productivity, and enhance safety. For more information about XTI Aerospace, please visit XTIAerospace.com and HangerXStudios.com (aviation innovation podcast), and follow the company on LinkedIn, Instagram, X, and YouTube.

Cautionary Statement Regarding Forward-Looking Statements

This press release contains certain "forward-looking statements" within the meaning of the United States Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act, and Section 21E of the Exchange Act. All statements other than statements of historical fact contained in this press release, including without limitation, statements about the products under development by XTI, the advantages of XTI's technology, and XTI's customers, plans and strategies are forward-looking statements.

Some of these forward-looking statements can be identified by the use of forward-looking words, including "believe," "continue," "could," "would," "will," "estimate," "expect," "intend," "plan," "target," "projects," or the negatives of these terms or variations of them or similar expressions. All forward-looking statements are subject to risks, uncertainties, and other factors which could cause actual results to differ materially from those expressed or implied by such forward-looking statements. All forward-looking statements are based upon

estimates, forecasts, and assumptions that, while considered reasonable by XTI Aerospace and its management, are inherently uncertain, and many factors may cause the actual results to differ materially from current expectations. XTI undertakes no obligation to revise any forward-looking statements in order to reflect events or circumstances that might subsequently arise. Readers are urged to carefully review and consider the risk factors discussed from time to time in XTI's filings with the SEC, including those factors discussed under the caption "Risk Factors" in its most recent annual report on Form 10-K, filed with the SEC on April 16, 2024, and in subsequent reports filed with or furnished to the SEC.

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