**ST Engineering MRAS to Design and Manufacture Propulsion System Component for JetZero’s All-Wing Demonstrator Aircraft**

***Baltimore, U.S., 21 July 2025*** – ST Engineering MRAS, a world leading manufacturer of complex aerostructures, today announced that it has been selected by JetZero to design and manufacture the exhaust nozzle for JetZero’s full-scale all-wing demonstrator, a next-generation aircraft set to redefine aviation. Working in collaboration with JetZero and propulsion systems partners, ST Engineering MRAS will deliver engineering, design, and manufacturing expertise for the exhaust nozzle, a key component for the propulsion system, to support the demonstrator's performance and sustainability objectives.

JetZero’s demonstrator will validate revolutionary technologies that aim to reduce fuel burn and carbon emissions by up to 50%. It represents a significant advancement in the aviation industry's path toward meeting the forecasted doubling of passenger demand by 2040 while supporting the industry’s net-zero emission goals by 2050.

“We are proud to join the JetZero program and contribute to a project that is shaping the future of flight,” said Ben Parrington, Director of Product Engineering at ST Engineering MRAS. “This opportunity reflects our continued commitment to advanced engineering, sustainability, and delivering solutions that enable the next era of aerospace innovation.”

The demonstrator aircraft is scheduled to begin flight testing in 2027. In addition to commercial applications, the platform is expected to support future military and cargo aircraft development.

“JetZero’s demonstrator airplane follows our strategy of de-risking the design and creating the path for production and certification,” said Dan da Silva, JetZero’s president and COO. “Working with experienced suppliers like ST Engineering MRAS helps us achieve these goals and brings confidence to the program.”

ST Engineering MRAS’s comprehensive capabilities in aerostructures and nacelles span integration, design, testing, flight test support and certification. From conceptualization and design to manufacturing, ST Engineering MRAS works closely with engine and aircraft OEMs to optimize the performance of engine nacelles and the overall aircraft’s aerodynamic efficiency. During the manufacturing process, its advanced composites manufacturing technologies and automated systems ensure consistent quality and speed in the production of nacelle components.

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[**ST Engineering MRAS**](http://www.mras-usa.com) is a subsidiary of ST Engineering and a world leading manufacturer of complex aerostructures including nacelle systems and specialized structural components of the airframe. It supplies and supports these products for airframers, engine manufacturers and aircraft operators.

Located on Maryland’s Chesapeake Bay near Baltimore, ST Engineering MRAS has a 2.0-million sq. ft. facility situated on 180 acres – where the company and its predecessors have designed, built and equipped civil and military aircraft as well as missiles and rocket launch systems for 95 years.

In addition to ST Engineering MRAS’ design, development and manufacturing capabilities, the company provides technical support, spares and other services for its products. This includes the company’s onsite FAA/EASA Part 145 Repair Station MYER988K for the maintenance, repair and overhaul (MRO) of nacelle systems. This facility can provide MRO of nacelle systems for: A320neo (LEAP-1A), 787 (GEnx & T1000), CF6-80C2 reversers (all models), CF6-80E1 reversers, A320 (CFM56-5B & V2500), 737 (CFM56-7B). [www.mras-usa.com](http://www.mras-usa.com)

[**ST Engineering**](https://www.stengg.com) is a global technology, defense and engineering group with a diverse portfolio of businesses across the aerospace, smart city, defense and public security segments. The Group harnesses technology and innovation to solve real-world problems, enabling a more secure and sustainable world. Headquartered in Singapore, it has operations spanning Asia, Europe, the Middle East and the U.S., serving customers in more than 100 countries. ST Engineering reported revenue of over $11b in FY2024 and ranks among the largest companies listed on the Singapore Exchange. It is a component stock of MSCI Singapore, FTSE Straits Times Index and Dow Jones Best-in-Class Asia Pacific Index. Follow it on [LinkedIn](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fcompany%2Fst-engineering&data=05%7C02%7Ckekhuanshawn.teo%40stengg.com%7Cd194b0c6a18a4ece4c4c08dd5abc720a%7C82fac8d849c2492d9f677d9e5b66144e%7C0%7C0%7C638766487596155022%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=Ez3rlgPbFwdoHDt2zD%2B1mDFbmEEMumK5kyqfo8UvUAU%3D&reserved=0).

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Images are available on request.