
STELLAR JET
CONVERTIPLANE
ADVENTURE JET

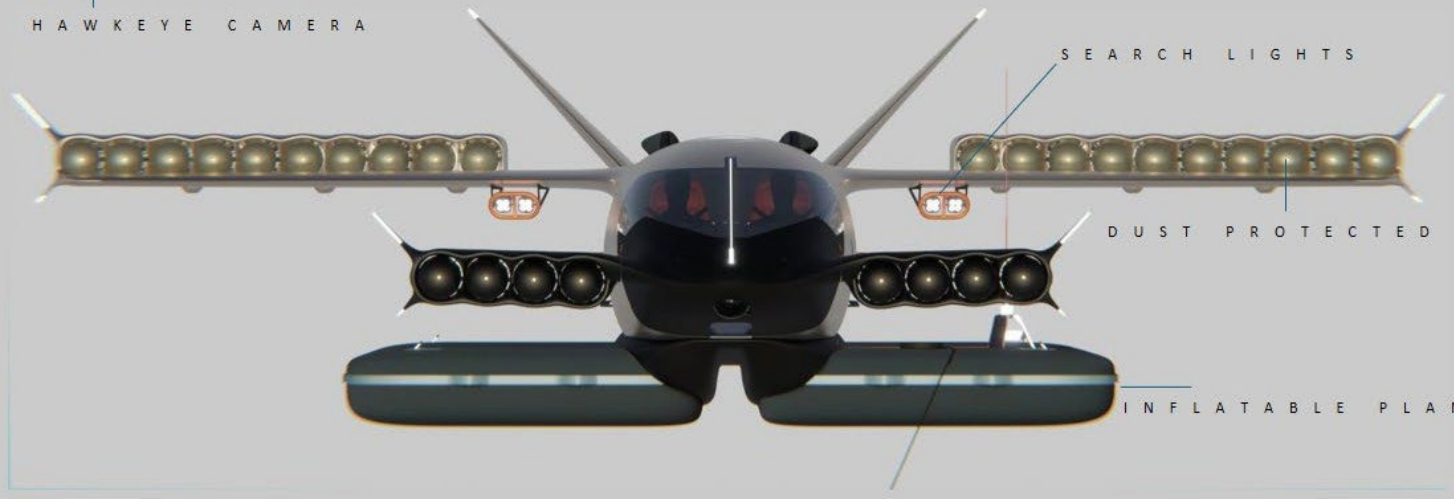
ADVENTURE JET

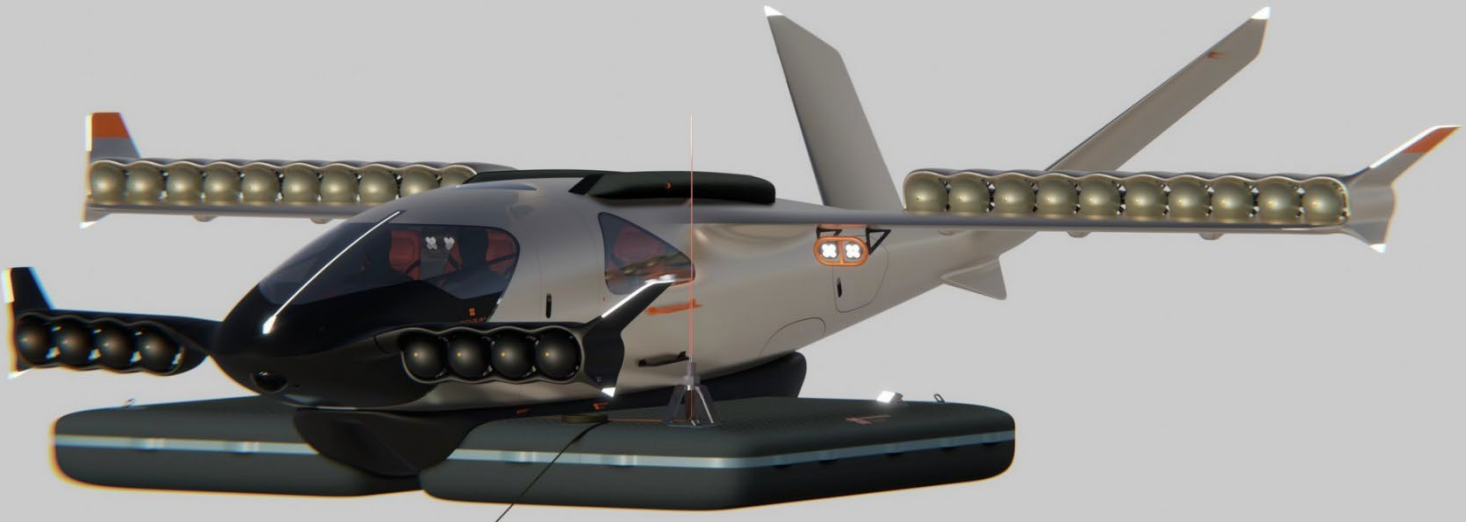
AERODYNAMICS SCHEME OF A JET.
COMBINES THE ADVANTAGES OF AN AIRPLANE AND A HELICOPTER.
EMBARK ON A JOURNEY BEYOND THE KNOWN WORLD.
EXPERIENCE POINT-TO-POINT TRAVEL VENTURING INTO JUNGLES, MOUNTAINS, AND UNREACHED DESTINATIONS.
DISCOVER PRISTINE, UNTRODDEN SPACES WITH FAMILY OR FRIENDS, WHERE NO ONE HAS EVER BEEN BEFORE.

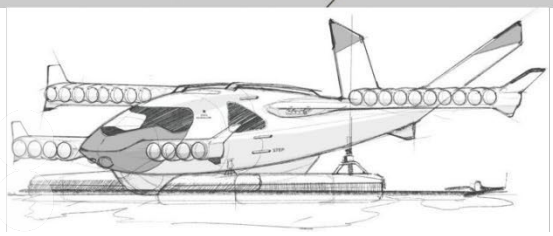
SUV OF THE SKY

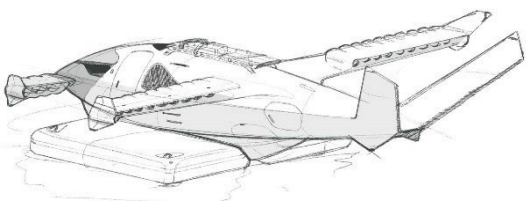
ADVENTURE JET

EXPLORE NATURE REMOTE DESCENTS









Established by a Renowned Family of Aviators, with Roots in Aerospace Engineering and Aviation. Partnering with BMW Group Design, Leonardo, Sauber. Pioneering the first regional Hydrogen VTOL Aircraft with an innovative hydrogen powertrain.

The STELLAR Jet boasts a hydrogen-electric (hybrid) propulsion system with a fuel tank, enabling significantly extended flight distances.

Offering a remarkable range of up to 1150 miles, it far exceeds the capabilities of fully electric eVTOLs, which typically max out at around 150 miles.

Featuring pressurized cabin and ducted fan design solution, the STELLAR Jet is engineered to reach high altitudes of 25,000 feet and achieve a cruise speed of 520 km/h or 323 mph.

STELLAR Jet is equipped with an airframe parachute system, effectively reducing the incident risk. This feature also significantly enhances passenger psychological comfort, especially for those apprehensive about flying.

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STELLAR JET

STELLAR ADV JET
AIRCRAFT SPECIFICATION

MODEL: STELLAR ADV-JET Convertiplane

CONFIGURATION: Convertiplane with Hydrogen-Electric Ducted Fan Propulsion System with Electrically Powered Fans.

CERTIFICATION: FAA PART-23 and Special Conditions

THIS SPECIFICATION DOCUMENT OUTLINES THE **UNIQUE FEATURES AND CAPABILITIES OF THE STELLAR ADV JET**, EMPHASIZING ITS **REVOLUTIONARY DESIGN AND ENVIRONMENTAL BENEFITS** PROVIDED BY THE **HYDROGEN- ELECTRIC PROPULSION SYSTEM.**

SPECIFICATIONS

CONSTRUCTION:
Material: Advanced Composite
Design: The aircraft features a hydrogen-electric ducted fan propulsion system, which includes electrically powered fans for enhanced efficiency and environmental sustainability. Designed as a convertiplane, it offers vertical take-off and landing capabilities, making it ideal for "Point-to-Point" flights.

CAPACITY:
Passengers: Accommodates up to 5 adult passengers comfortably
Cabin Features: In-cabin storage is available for hand luggage; optional lavatory, bar, kitchen (+50 more).
Baggage Capacity: Includes a spacious baggage bay in the aft fuselage, capable of holding 3 standard-size suitcases or two standard-size golf bags.

FUSELAGE:
Design: Aerodynamically efficient fuselage with a canard, wing, and a V-tail.
Undercarriage: Skid with deployable landing pod

PERFORMANCE ATTRIBUTES

The STELLAR ADV Jet is engineered to deliver superior performance, leveraging a cutting-edge hydrogen propulsion system for an exceptional speed of 320 mph and a flight range of 650 to 1150 miles. It offers high operational efficiency with zero carbon emissions.

Payload: 1,350 lb
VNE: 280 kts
Range: 1150 km with main fuel tanks (1850 km with additional)
Service Ceiling: 7,000 meters
Hover Ceiling: AMSL 4500 meters
Engine: Hydrogen-Electric Ducted Fan Propulsion System with Electrically Powered Fans
Noise level: ~65 dB at 100m distance
Description: Hydrogen Electric Ducted Fan Powerplant with 28 electric ducted fans, four of which are redundant; full authority electronic engine control.
Max continuous Power: 2oo daN per engine
Aircraft Time Between Overhaul (TBO): Whole Aircraft & Engine - 6,000hrs, On Condition

COMFORT & INTERIOR

FEATURES

Whole Sustainable Materials Interior: Eco-friendly and fire-resistant.
Enhanced Interior Noise Dampening: Reduces ambient noise for comfort.
Quick-Don Oxygen Mask for Pilots and Auto-Deploy Passenger Oxygen.

INSTRUMENTATION & MONITORING

- Airspeed, Altitude, and Vertical Speed Indicators.
- Artificial Horizon and Direction Indicator.
- Engine Instrumentation System with E/RRPM and Power Indicator.
- OAT Gauge, Fuel Level Indicator, and Annunciation & Warning System.
- Clock & Stopwatch.

COMMUNICATION & ENTERTAINMENT

- COM Radio and Altitude Reporting Transponder with ADS-B Out.
- All-Digital Audio Panel, integrated with High-End Sound System for passengers.
- High Performance GPS Position Feed for precise navigation.
- Bluetooth Phone Connectivity and Music Streaming.
- Emergency Locator Transmitter (ELT) for safety and tracking.

ADDITIONAL FEATURES:

- CG Management: Control over the center of gravity for better aircraft handling.
- Colour Options: Optionally available in 10 different colours + color can be ordered as an optional extra.
- STELLAR Mobile Application.

ENGINEERING

ENGINE & AIRFRAME

- Thrust of 4500 daN or 10,100 pounds at full power during take-off
- Ballistic Recovery System (Airframe Parachute)
- Electrothermal anti-ice system
- Auto-deploy Passenger Oxygen
- Whole sustainable materials interior
- Quick-don oxygen mask for pilots.
- Pressurized Cabin
- Stall Recognition Stick Shaker & Push
- Enhanced Interior Noise Dampening
- Improved Initial Climb Gradient

AVIONICS:

STELLAR Jet IFR Glass Cockpit.

- Garmin 3000*
- Widescreen High Resolution Displays
- Auto Throttle
- Landscape Touchscreen Controllers PFD/ MFD Multi-Function Windows

- All-Digital Audio Panel
- TAWS-B Terrain & Obstacle Awareness Dual
- WAAS GPS/Comm/Nav Radios Complete
- Aircraft Systems Synoptics
- CMC-Enhanced Data Logging
- Dual AHRS, ADC, & Pitot Static
- Transponder (ADS-B Out)
- Synthetic Vision Technology
- FliteCharts
- Electronic Stability & Protection
- 3-Axis All-Digital Autopilot
- Emergency Descent Mode
- Terrain & Obstacle Awareness

FEATURES

- Flight Controls: Fly-by-wire system for enhanced precision and reliability.
- Seating: Ergonomic seats designed with eco-friendly, fire-resistant materials, offering weight reduction and passenger comfort.
- Fuel System: Advanced cryogenic fuel tanks with improved insulation materials to maintain liquid hydrogen at optimal temperatures.
- Controls: Fully digital cockpit with touch-screen avionics and removable dual controls for training purposes.
- Environmental System: State-of-the-art climate control with HEPA filtration and automatic defogging capability.
- Scent: Lunar Lavender (calming, soothing scent inspired by the serene surface of the moon under a twilight sky).
- Windows: Smart-tint windows and skylights for adjustable visibility and UV protection.
- Pedals: Electrically adjustable pedals to accommodate pilots of varying heights, with integrated toe brakes for precise ground control.
- Safety Harnesses: Advanced 5-point harness system with quick-release mechanism for enhanced safety.
- Connectivity: include integrated 5G and Wi-Fi, Starlink High-Speed In-Flight Internet, multiple USB-C ports for charging and data transfer, and on-demand weather updates.
- Power Systems: Solar cell integration on exterior surfaces for auxiliary power to internal systems.
- Autopilot System: 3-Axis advanced autopilot with AI-assisted functionality including Terrain and Obstacle Avoidance Systems.
- Tablet Integration: Docking stations for tablet integration with inductive charging and synced flight management applications.
- Emergency Floatation System

- Access System: keyless entry and ignition, providing enhanced security and convenience.
- Audio System: Noise-cancelling powered headset jacks integrated into each passenger seat.
- Storage: Optimized cabin stowage compartments with quick-access features for safety equipment and personal belongings.
- Sustainability Features: Solar power-assisted systems and recycled materials used in cabin interiors, highlighting the commitment to sustainability.
- Lighting: Full LED ambient and task lighting with programmable intensity and color schemes.

DISCLAIMER

The listed features are subject to change and may be updated in the future, with potential additions or substitutions of current options.

Regulators may require that the aircraft enter service with a reduced TBO, while in-service experience is accumulated and extended life testing completed, with the life revised upward at a later date.

STELLAR ADV JET

PRICING & PURCHASE AGREEMENT

It is important to understand that You are an early purchaser of the Aircraft. As such, your order will be for the base model of a STELLAR ADV Jet Aircraft only. A full list of options, upgrades, and modifications shall be made available prior to the commencement of manufacturing. Any options desired can be added to the Agreement, and the associated cost of the items as well as estimates of any applicable taxes, duties, transport and delivery charges, and any other applicable fees will be added to the Base Model Price.

This Purchase Agreement is for a 2028 Model Year aircraft to be delivered in 2028 with a 2028 Certificate of Airworthiness and specifications but is written on a 2024 Purchase Agreement since STELLAR Jet has neither established nor published final 2028 pricing. Once STELLAR Jet publishes 2028 pricing this Purchase Agreement will be adjusted to reflect the 2028 price.

PRICE - BASE MODEL		**USD**
POSITION RESERVATION	2026	$100,000
DEPOSIT 10%	2027	$790,000
MANUFACTURING 40%	2028	$3,204,000
FINAL ASSEMBLY	2029	$4,806,000
TOTAL PRICE*		$8,900,000

****These prices do not include any applicable tax. As such, the total price may be higher.***