

# JETOPTERA

## VERTICAL TAKE OFF/LANDING

The J-2000 is our introductory manned platform of the J-series. Powered by a Fluidic Propulsive System™ which eliminates propellers or rotors and enables VTOL from locations inaccessible to helicopters or multi-rotors; the thrusters are swivable and turbocompressors are based on already certified turboshaft engines of 1000-2000 HP class.

## SPEEDS UP TO 200KTAS

The Prandtl or Box Wing architecture combined with the canard and FPS™ yields excellent aerodynamics and a forward speed 2-3x faster than a multirotor or helicopter, silently.

## QUIET PROPULSION

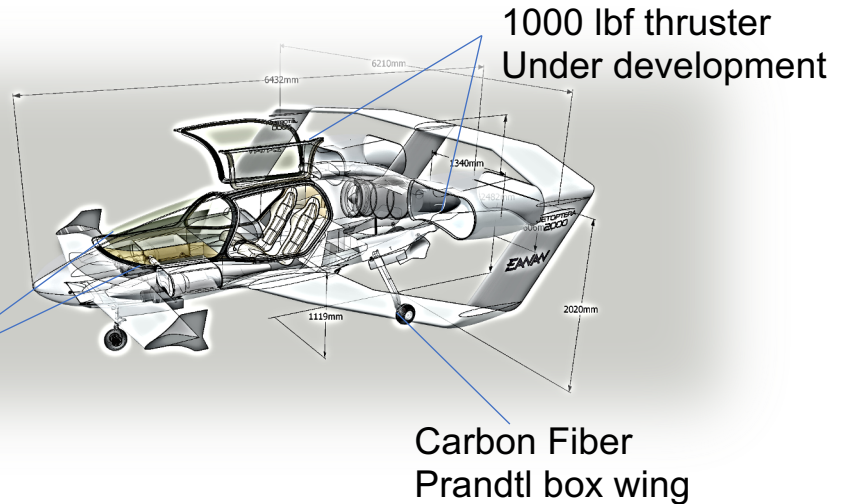
Our Fluidic Propulsive System™ thrusters do not chop the air like a propeller; the noise emitted by these thrust augmenting proprietary ejectors is atonal, resembling the wind. This enables us to deploy the system without restrictions related to noise and fly, take off and land vertically 24/7. The front thrusters of the J-2000 have already been validated as rear thrusters on the J-500 air cargo UAS. Our turbocompressors are powered by Jet Fuel or SAF, but the system is agnostic and could become all electric when the battery technology will reach acceptable energy density levels.

## In Development: Jetoptera J-2000

*Positioned to be the 1st useful, silent, fast & large manned VTOL airtaxi*



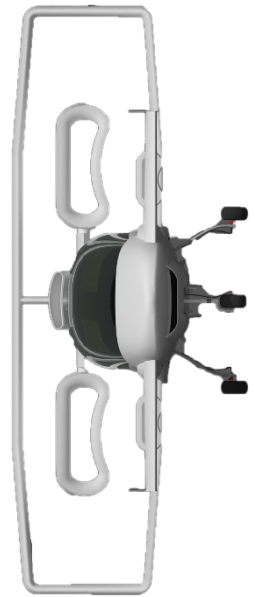
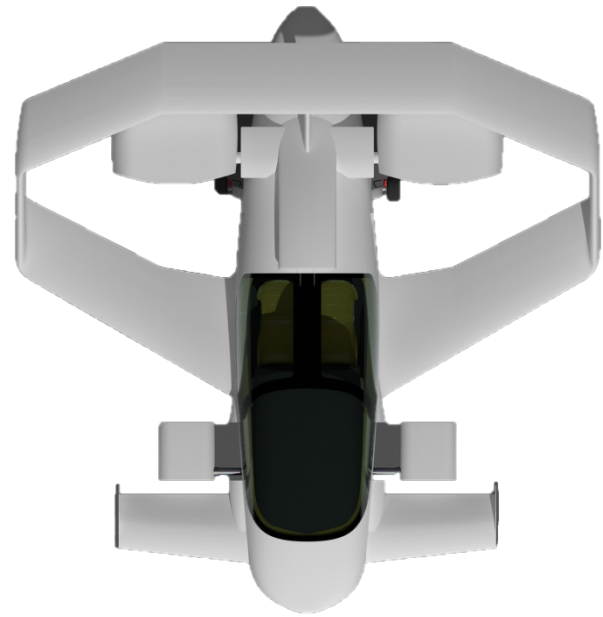
250 lbf thruster



## General characteristics

- **Length:** 6.4 m (21 ft)
- **Wingspan:** 6.2 m (20 ft)
- **Height:** 2.2 m (7.2 ft)
- **Empty weight:** 454 kg (1000 lb)
- **Max takeoff weight:** 910 kg (2006 lb)
- **MAX Fuel capacity:** 284 liters (75 US gallons), 227 kg (500 lb)
- **MAX Payload:** 227 kg (500 lb)
- **MAX Range:** 400 miles
- **Propulsion:** 4xFPS™ thrusters, 2x250 lbf class + 2x1000lbf class (AFT)
- **Powerplant:** 2000HP-class Turboshaft based turbocompressor/fan
- **Max Speed:** 200 ktas
- **Max ALT:** 5,000 m (16,400 ft)
- **FUEL:** JetA, SAF
- **Tone-free Noise:** -40 dBa lower than bladed equivalent power system

*This document provided under EAR 737.4(3)*



Jetoptera, Inc. 123 2<sup>nd</sup> Ave South, Suite 200, Edmonds, WA 98020  
CAGE: 7N2L9 DUNS: 080331629 Email: [info@jetoptera.com](mailto:info@jetoptera.com)