

JETOPTERA

In Development: Jetoptera J-4000

Positioned to be the 1st useful, silent, fast & large 4-seat manned VTOL

VERTICAL TAKE OFF/LANDING

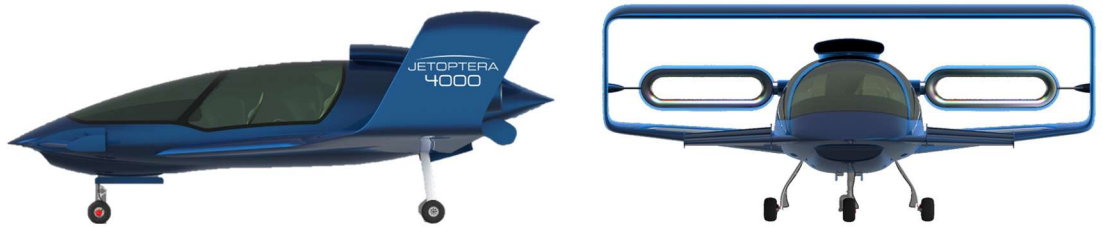
The J-4000 is our introductory manned platform of the J-series. Powered by a Fluidic Propulsive System® which eliminates propellers or rotors and enables VTOL from locations inaccessible to helicopters or multi-rotors; the thrusters are swivable and turbocompressors are based on already certified turboshaft engines of 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.

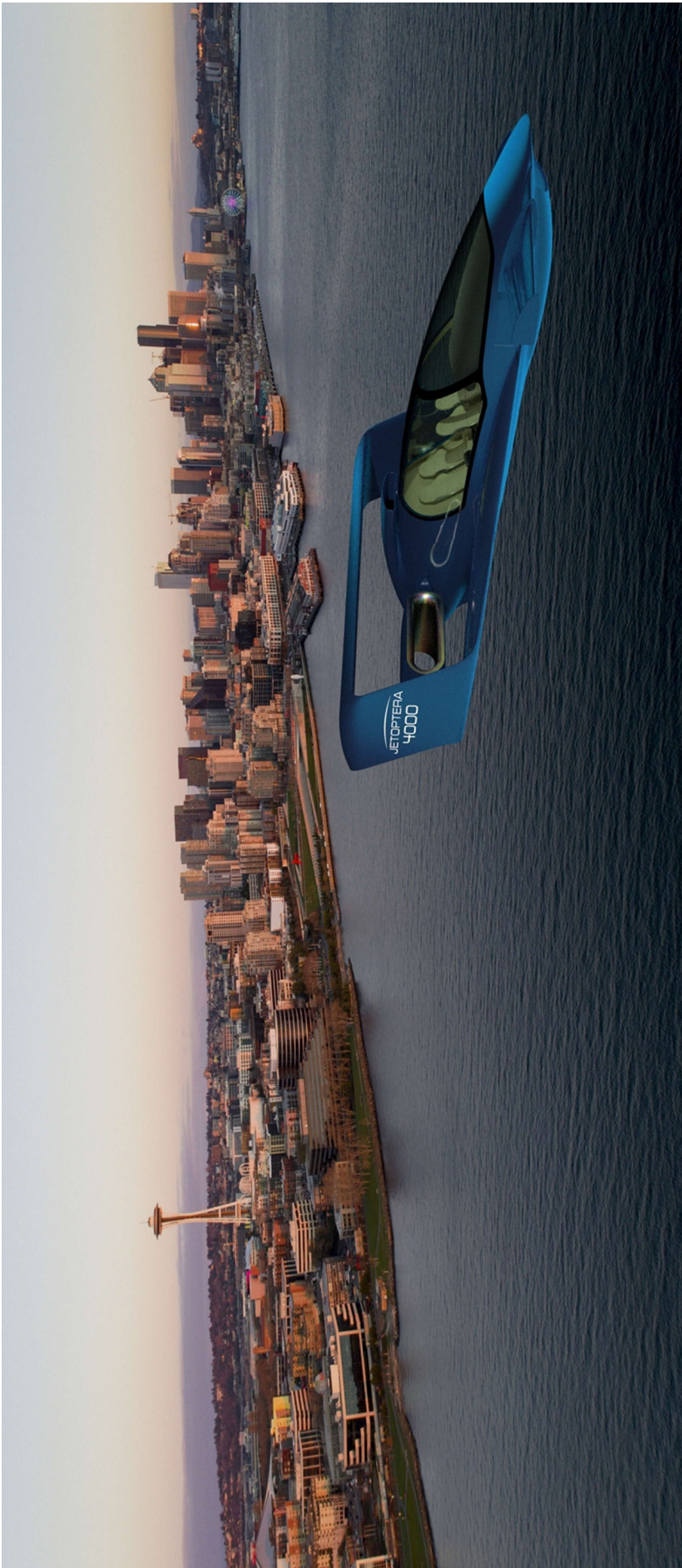
QUIET PROPULSION

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 today.



General characteristics

- **Length:** 10.4 m (21 ft)
- **Wingspan:** 10.2 m (33.5 ft)
- **Height:** 3.0 m (7.2 ft)
- **Empty weight:** 910 kg (2000 lb)
- **Max takeoff weight:** 1820 kg (4012 lb)
- **MAX Fuel capacity:** 568 liters (150 US gallons), 454 kg (1000 lb)
- **MAX Payload:** 454 kg (1000 lb)
- **Cabin:** 1 pilot+3 passengers
- **MAX Range:** 400 miles
- **Propulsion:** 4xFPS® thrusters, 2x750 lbf class + 2x2000lbf class (AFT)
- **Powerplant:** Single Certified Turboshaft based turbocompressor/fan; (twin engine optional)
- **Max Speed:** 200 ktas
- **Max ALT:** 5,000 m (16,400 ft)
- **FUEL:** JetA
- **Tone-free Noise:** -40 dBa lower than bladed equivalent power system



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