

XFLIER

The future of vertical flight



Change The Way You Think About Urban Air Mobility

UAM is the wave that is swelling now. Archer and Joby are poised to take advantage of it. Anduril is also getting in on the ground level. Regulations are being created as we speak. Timing couldn't be better. Don't let this one get away from you. It will take vision and work but that doesn't mean we shouldn't bounce up on that board and ride it like it's the last wave ever! Our patented innovative pivoting design is ready to move ahead of the competition.



Challenges



- Limited range and energy inefficiency
- High noise levels from open props
- Take-off/landing infrastructure
- Prop safety concerns
- Heavy battery packs
- Slow recharge times
- Limited airspeed

Solution



- Patented, pivoting wing design for smooth transition from vertical to horizontal flight
- Lift from wing shape means far greater range due to less power required to maintain flight
- Simplicity of design and lack of control surfaces equals huge manufacturing cost savings
- Ducted fan nacelles provide much needed safety factor not possible with exposed blades of other eVTOLs
- All carbon fiber construction assures structural integrity while keeping weight in check
- Battery tray will shift automatically making it's weight work for balancing the payload and further energy savings

KEY FEATURES

**Innovative
Wing Design**

**Ducted Fan
Nacelles**

**Simplified
Structure**

**Advanced
Control
System**

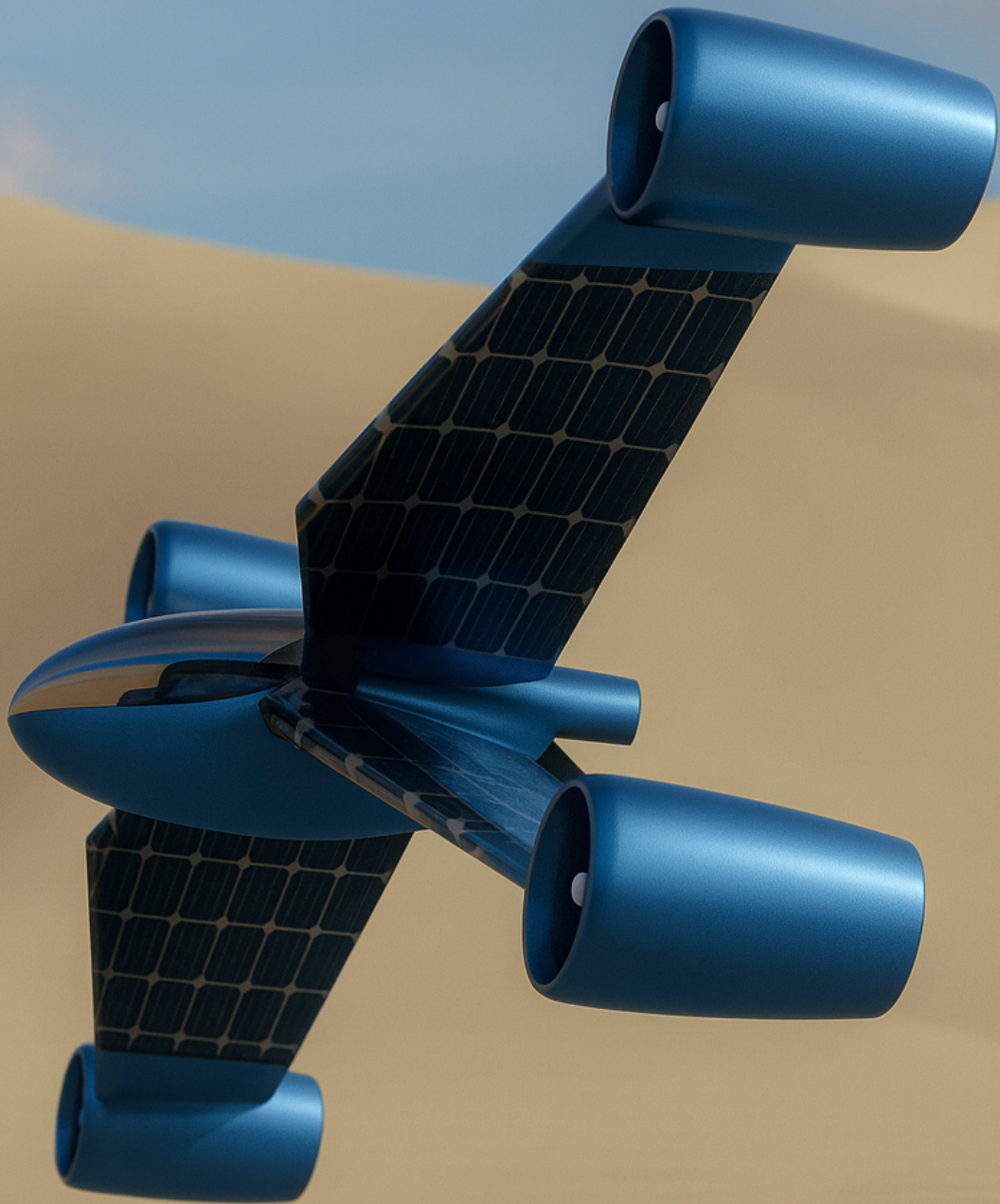
Innovative Wing Design

The pivoting wings tilt forward for horizontal flight while the fuselage remains level, except for a slight forward tilt during boarding and disembarking providing a smooth experience, like getting on/off a Ferris wheel.

Ducted Fan Nacelles

Four wingtip-mounted nacelles house dual counter-rotating motors, offering enhanced power, efficiency, durability and safety compared to traditional exposed propeller systems.





Simplified Structure

The XFLier's X-configured wings eliminate the need for tails, rudders, or other control surfaces, reducing complexity and maintenance costs. Pitch, yaw and roll are all controlled via varied thrust from each nacelle. Same proven controls found on typical drones.

Advanced Control System

Our AI-powered flight control systems use adaptive algorithms and machine learning to ensure responsive, efficient, and optimal eVTOL performance in diverse conditions.

Off Grid Power

Another way to think about the Xflier is as a highly mobile power station with the advanced solar skin package.



Safety and Functionality Highlights

Prop Safety

The fully enclosed propulsion system minimizes risks associated with exposed propellers.

Dynamic Balance

A movable battery tray automatically adjusts fore, aft, left and right for optimal weight distribution.

Integrated Storage

Luggage is conveniently stowed atop the battery tray.

Ballistic Recovery System

A standard ballistic parachute provides additional safety.

Obstacle Detection

Continuous obstacle sensing ensures situational awareness.

Autonomous Capabilities

The XFlier can fly, land, and even deliver itself without a pilot on board.

Redundancy

In the event of a nacelle failure, the remaining nacelles adjust to compensate, allowing for safe landing.

Enhanced Safety Mode

Standard software settings won't respond to control inputs that would allow craft to maneuver beyond safe operating parameters. (Nerfed)



Speed

200+ MPH

Range

300+ miles on a single charge

Charge Time

1.5 hours

Solar Charging Skin

Available as a top-tier option but shown here because it looks cool.

Meet the inventor



This is my 5th patent as a designer and engineer. The IP is being offered as an outright sale or in a multitude of deal possibilities. I am open to selling 95-100% of all interests. There is a related patent I am working on for the counter balancing battery tray which will be included as well. Perhaps through a consulting deal. I'm sure several more patents will be created through the prototyping process that you will also own. I can remain involved in many ways or be completely hands off depending on your needs.

Ultimately I am committed to seeing XFlier succeed and am willing to help in any way possible.

Thank you for your consideration.

Cheers, Stian Nilsen (St-e-on)