



Fact Sheet - 2025

About Alef:

[Alef Aeronautics](#), founded in 2015 and based in San Mateo, California is a sustainable electric transportation company designing and developing a flying car - a road-legal passenger car capable of achieving vertical takeoff and forward flight. Alef's goal is to enable faster, easier commutes and alleviate the burden of urban congestion through the use of proprietary technology that elevates the vehicle safely and quietly above everyday traffic.

The Alef founding team of Dr. Constantine Kisly (VP of Engineering), Oleg Petrov (VP of R&D), Pavel Markin (VP of Electronics), and Jim Dukhovny (CEO) has over 70 years of experience in engineering and technology. Alef has been test driving and test flying the Alef full-size prototype since 2019.

It earned early support from distinguished investors and industry veterans, led by Tim Draper (who, among others, was one of the first venture capitalists to invest in Tesla).

Alef's Key Highlights:

- \$1 billion worth of vehicles pre-sold
 - Best-selling vehicle in history in aircraft pre-sold per year
- 2 billion people reach in news and social media
 - Time's top innovations of 2024, featured on NBC, Fox, CNN, Reuters, Associated Press, ABC
- First car with vertical takeoff to receive FAA permission to fly in US (FAA Special Airworthiness Certificate)
- First car to drive and vertically takeoff in a city

Points of Difference: Alef flying car is differentiated by the combination of the following:

- First true "flying car" by definition of being car with a vertical takeoff
- vs. cars:
 - Can takeoff and fly
- vs. eVTOL/flying taxis:
 - Can drive
 - Does not require airport or vertiports
- vs. cars with expandable wings

- Vertical takeoff
- Does not require any runway or airport to takeoff
- 100% electric

Clean Energy

The Alef flying car is a 100% electric vehicle, providing clean energy transportation for easier breathing and a more sustainable environment. On average, the Alef flying car uses less energy per trip than a Tesla or any other EV, as well as less energy per trip than eVTOL air taxis.

Models:

Current Model – The Alef “Model Zero”: Currently, Alef is developing and testing the Alef “Model Zero,” a precursor to its first consumer product, the Alef “Model A.” The “Model Zero” is used solely for research and development, with incremental improvements and the goal of morphing into the “Model A.”

First Product – The Alef “Model A”: The first product is the Alef “Model A”, the only drivable flying car with vertical take-off and landing capabilities, fitting within existing urban infrastructure for driving and parking. The Alef “Model A” flying car has a driving range of 200 miles and a flight range of 110 miles. The gimbaled cabin design and elevon system provide a smooth, stable ride and flight, keeping occupants stable. There are no exposed propellers for added safety, dampening the sound, and saving space. Key safety components include, amongst others, Distributed Electric Propulsion (DEP), triple to octuple redundancy of all key components, real-time thousand point diagnostics, pre-flight reject start diagnostics, obstacle detection and avoidance, glide landing, and full-vehicle ballistic parachute.

The Alef flying car was developed using the latest hardware and software technology advances, ultra-light and ultra-strong components, software simulators and analysis, and rigorous flight testing.

The first Alef flying car is available for pre-sale to consumers for \$300K on <https://alef.aero>.

Future Alef Model Z: The long-term goal of Alef is a four-person sedan, Alef Model Z, projected for introduction in 2035 priced at \$35K. It will be capable of flying 200 miles with a driving range of 400 miles. Alef Model Z is also projected to have autonomous flight capabilities.

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Press Kit: Can be downloaded at
<https://alef.aero/press.html>