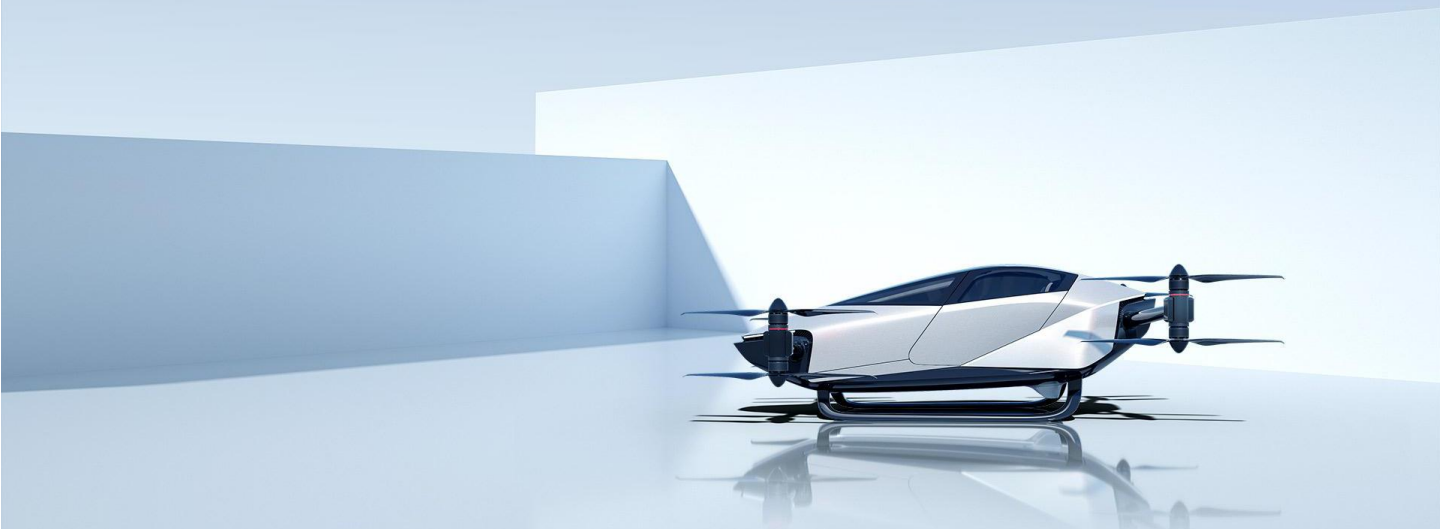
XPENG AEROHT

Low-Altitude Air Mobility Explorer



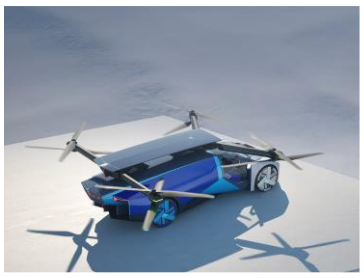
About XPENG AEROHT

XPENG AEROHT, an affiliate of XPENG, is the largest flying car company in Asia. Integrating intelligent vehicles and modern aviation, we are dedicated to producing the safest intelligent electric flying car for personal use. In the future, we will provide products and solutions in the field of 3D transportation.

Corporate Highlights

- **Talents:** XPENG AEROHT currently employs nearly 1,000 people, with an average age of 32 years old. Approximately 85% of the workforce consists of research and development (R&D) personnel, and over half of these individuals hold advanced degrees.
- **R&D and Production Capabilities:** XPENG AEROHT showcases strong R&D and production capabilities with its first flying car trial production factory, covering 35,000 square meters for trial production and performance testing. Its comprehensive flying car testing system includes centers for prototype testing, powertrain testing, and ground integrated tests. Additionally, R&D centers in Guangzhou, Shanghai, and Shenzhen, along with three major flight bases in Guangzhou and Foshan, enhance XPENG AEROHT's flying car development and production capabilities.
- **Financing and Funding:** XPENG AEROHT has secured significant financing and funding for its operations and development. On October 19th, 2021, the company raised over US$500 million in Series A capital funding, the largest single-tranche fundraising in Asia's low-altitude flying vehicle sector, with a pre-funding valuation exceeding US$1 billion. On June 30th, 2022, Rockets Capital provided additional investment in XPENG AEROHT. Additionally, on November 8th, 2022, XPENG AEROHT entered into a strategic cooperation partnership with four leading Chinese banks, resulting in a joint bank credit of RMB 6 billion. These financial milestones demonstrate strong investor confidence and support the company's growth and innovation in the flying car industry.

Product Highlights

Product	***XPENG X2*** Explore Low-Altitude Flight Scenarios	***eVTOL Flying Car*** Towards the Future of 3D Transportation	***Modular Flying Car*** Expand Your Travel Experience
			
	• **First Public Flight:** XPENG X2, the fifth-generation flying car developed by XPENG AEROHT, made its first public flight in Dubai, showcasing its advanced technology and design to over 150 attendees. The event marked a significant milestone in the global advancement of flying cars and future mobility.	• **Versatile Design:** XPENG AEROHT's fully electric vertical take-off and landing (eVTOL) flying car seamlessly transitions between air flight and road driving, with a sleek rotor fold-away system that enables quick shifts between the two modes.	• **Innovative Modular Design:** XPENG AEROHT's "Land Aircraft Carrier" features a unique two-part design that seamlessly switches between terrestrial and aerial modes. The ground module accommodates 4-5 passengers and encloses the air module for ground transportation, while the air module enables vertical takeoff and low-altitude flight.
	• **Innovative Design:** The XPENG X2 features an enclosed cockpit with a sleek, teardrop-shaped design and a sci-fi aesthetic, prioritizing high-efficient aerodynamics for optimal in-flight performance. Its complete carbon fiber structure reduces weight and enhances performance.	• **Advanced Safety:** It features a new flight control system with fault-tolerant control functions and a dual-engine backup system for enhanced safety and reliability. The vehicle underwent successful tests, including multiple single-motor failure trials.	• **Futuristic and Functional:** The modular flying car boasts a futuristic cyber-mechanical aesthetic reminiscent of a "lunar exploration vehicle" with sharp lines and sleek surfaces. It features a three-axle, six-wheel configuration with 6x6 all-wheel drive and rear-wheel steering for impressive carrying capacity and off-road capabilities.
Details	• **Eco-Friendly and Flexible:** The two-seater flying car produces zero carbon emissions during flight, making it an environmentally friendly option for low-altitude urban flights. It is suitable for short-distance city journeys such as sightseeing and medical transportation.	• **Optimized Performance:** The flying car adopts a distributed multi-rotor configuration, optimizing from a previous horizontal dual-rotor structure to enhance flight safety and reliability. This adjustment reduces the overall design complexity and improves performance.	• **Advanced Safety and Reliability:** The air module employs a distributed electric propulsion system and a 6-axis, 6-rotor configuration with reversible ducts, allowing for millisecond-level algorithm adjustments in case of rotor failure. A multi-parachute rescue system provides a safer touchdown at low altitudes, ensuring passenger safety.
	• **Intelligent Driving Mode**: XPENG X2 offers both manual and autonomous driving modes, allowing passengers to enjoy a safe and intelligent flying experience. In autonomous mode, users can initiate start, return, and landing operations with the touch of a button.	• **User-Friendly Operation:** In driving mode, the vehicle functions like a conventional car, while in flight mode, it is piloted using the steering wheel and right-hand gear lever for navigation. The flying car can take off and land vertically, allowing it to fly over traffic, obstacles, and rivers, serving a range of short-distance mobility needs in accordance with low-altitude airspace regulations.	• **User-Friendly Operation:** The flying car features an intelligent cockpit with manual and automatic modes, seamlessly switching between land and flight modes. The streamlined design simplifies the separation and combination of air and ground modules, making flying more accessible and offering an extended travel experience from ground to sky.