ARIDGE: Company Profile

1. About ARIDGE

Company Overview

ARIDGE (formerly XPENG AEROHT) is Asia's largest flying car company and part of the XPENG Motors ecosystem. Guided by the vision to be the "Global Leader in Low-Altitude Product Innovations" and with the mission of enabling the "Freedom to Fly". ARIDGE is dedicated to creating safe, intelligent flying cars and low-altitude mobility solutions through proprietary technology and innovation. We aim to meet the needs of personal flight, aerial commuting, and public service, by transforming low-altitude mobility and enabling everyone to enjoy the freedom and convenience of flight.

R&D and Production Layout

•R&D Center: Based in Guangzhou, with advanced research labs in Shanghai.

•Flying Car Pilot Production Facility: Approximately 35,000 m² in total, with a building area of approximately 20,000 m² for pilot production, process validation, and performance testing ahead of mass production.

•Test and Flight Testing Systems: Comprehensive infrastructure for development, testing, and flight trials, including a ground test center, power testing center, and R&D flight test base.

•Flying Car Production Plant: The world's first large-scale flying car production facility using a modern assembly line dedicated to flying cars, starting with the mass production of the air module of the 'Land Aircraft Carrier' modular flying car. Construction completed in 2025.

Team Size

ARIDGE has over 1,600 employees, with an average team age of 33 years. R&D and technical personnel constitute nearly 80% of the team, with more than 40% holding advanced degrees.

Patent Portfolio

As of December, 2024, ARIDGE has applied for over 900 patents worldwide, with 70% being invention patents. These patents cover core fields, including power systems, safety systems, avionics, autonomous driving, flight control, and the overall structure of flying cars.

2. ARIDGE's Mission and Vision

Mission: Freedom to Fly

ARIDGE is committed to the idea of making flight accessible and enjoyable for everyone by focusing on:

•User-Driven Development: Commitment to user-needs defining the development and production of our flying cars. We aim to offer safe, smart, convenient, high-performance, and aesthetically pleasing products while minimizing user acquisition and training costs through scalability and intelligent technology.

•Technology Innovation and Application: In the integration of the automotive and aviation industries, the development of flying cars features unique technical challenges with few existing solutions. ARIDGE prioritizes practical core technology development, focusing on real-world applications to meet real user needs.

•Connecting Life: Flying cars need to integrate with various real-world scenarios to connect with our daily lives. Through product innovation, ARIDGE addresses personal, commuter, and public service flight needs while collaborating across sectors to build a comprehensive low-altitude transport system.

Vision: Become the Global Leader in Low-Altitude Product Innovations

ARIDGE aims to provide users with the safest intelligent electric flying cars, pioneering a new category with the creation of innovative mobility solutions. Our vision involves transitioning from:

•Explorer to Leader: ARIDGE has explored multiple possibilities for low-altitude travel. Today represents "Year One of the Low-Altitude Economy", where we are committed to investments in breakthrough core low-altitude technology to create products of high safety, high design quality, and advanced intelligence that meet user needs. Through innovation, we aim to drive the industry forward and lead business and society into a new era of low-altitude travel.

•Manufacturing to Creation: China's expertise in intelligent technology provides a solid foundation for low-altitude mobility. ARIDGE will pioneer the flying car market by building an ecosystem with partners such as governments, institutions, and suppliers to develop industry standards and foster a collaborative and innovative low-altitude ecosystem.

•From China to the World: Rooted in China with a global outlook, ARIDGE plans to expand internationally after domestic mass production of the 'Land Aircraft Carrier'. Through innovation, we aim to offer safe and convenient 'freedom to fly' for users worldwide.

3. ARIDGE's "Three-Step" Product Strategy

Achieving low-altitude flight requires a phased, collaborative approach. ARIDGE believes two factors are essential to realizing the low-altitude economy:

•Solve Transportation Needs: To become a trillion-dollar industry, the low-altitude economy must address manned and unmanned transportation, providing safe and convenient services.

•Develop Practical Commuting Scenarios: Low-altitude flight will initially operate in controlled settings—such as suburban areas, scenic locations, and flight camps—before expanding to inter-city travel and ultimately offering door-to-door, point-to-point 3D transport.

ARIDGE's three-phase product strategy is as follows:

•Phase One: Launch the modular flying car -- the 'Land Aircraft Carrier' -- to make personal flight accessible and bring it from professional domains into everyday life. By simplifying operational processes and enhancing the user experience, the 'Land Aircraft Carrier' makes flying simple, safe, easy and enjoyable. This phase opens more people to experience the full thrill of flight, explore new possibilities for future mobility, and serve as a valuable pilot stage for wider public services.

•Phase Two: Introduce a High-Speed, Long-Range Til-trotor Flying Car to address typical aerial transport scenarios and collaborate with stakeholders to develop an integrated urban air mobility network.

•Phase Three: Launch an eVTOL Flying Car, achieving door-to-door urban 3D transportation. Between Phases One and Two, ARIDGE plans to develop derivatives of the ground module and air module to support diverse scenarios and public service needs.

4. Funding Progress

•October 2021: Completed Series A funding of over USD 500 million, setting a record as Asia's largest single funding round in the field of flying cars.

•June 2022: Xinghang Capital completed an additional investment in ARIDGE.

•November 2022: Strategic partnerships established with Agricultural Bank of China, Guangdong Branch; China Construction Bank, Guangdong Branch; China CITIC Bank, Guangzhou Branch; and Shanghai Pudong Development Bank, Guangzhou Branch, with a combined credit line of CNY 6 billion.

•August 2024: Secured USD 150 million in Series B1 financing from Guangzhou Development District Holding, Guangzhou Financial Holdings, and Guangzhou Development District Investment Group, ensuring smooth progress in R&D, large-scale production, and commercialization.

•July 2025: Completion of USD 250 million Series B financing.

5. ARIDGE's Development Timeline

•2013

AEROHT was founded in Guangdong, China.

•2016

First prototype flying car commenced test flights.

•2018

Successful manned flight of the prototype flying car.

•2019

T1 successfully developed and test flight completed, winning international design awards such as the iF Award, Red Dot Award, and IDEA Award.

•2020

July - XPENG invested in AEROHT.

September - XPENG AEROHT officially established.

November - X1 successfully developed and test flight completed.

•2021

June - X2 successfully completed its maiden flight.

October - Completed Series A financing, raising over $500 million.

•2022

October-X2 successfully made its first global public flight in Dubai.

-eVTOL Flying Car's prototype completed its maiden flight.

•2023

January - X2 received China's special flight permit.

October -Successfully tested the self-developed multi-parachute rescue system.

-Unveiled the latest designs of the eVTOL Flying Car and the 'Land Aircraft Carrier' Modular Flying Car.

•2024

January - The eVTOL Flying Car made its debut at CES 2024 in North America.

March - Type certification (TC) application for the air module of the 'Land Aircraft

Carrier' was accepted by the authority.

July - Signed the Flying Car Project Investment Cooperation Agreement with Guangzhou Development District.

August - Raised US$150 million in Series B1 financing.

October - Began construction of AEROHT's intelligent manufacturing facility.

November - 'Land Aircraft Carrier' completed its global debut public manned flight.

•2025

January - 'Land Aircraft Carrier' made its debut at CES 2025 in North America.

July - Completion of USD 250 million Series B financing.

September - 'Land Aircraft Carrier' obtained Special Flight Permit in UAE.

September - Completion of ARIDGE Flying Car Mass Production Factory.

October - 'Land Aircraft Carrier' completed its first overseas public manned flight in UAE and secured a record-breaking 600-unit order in the region.

October - XPENG AEROHT rebranded into ARIDGE.

October - Launch of the A868 - Hybrid Electric Full Tilt-Rotor Flying Car.

November - the ARIDGE Flying Car Mass Production Factory entered its trial production phase and successfully rolled out the first 'Land Aircraft Carrier' flying vehicle.

Website: https://intl.aridge.com/

Social Media Handles:

Instagram: @ARIDGE_Official
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