Freedom to Fly



汇天
ARIDGE

ABOUT US

ARIDGE is the world’s leading creator of low-altitude mobility solutions and the largest flying car company in Asia.

We firmly believe personal mobility will extend from the ground to the skies. By advancing and applying core technologies in electric vehicles and aviation, we are committed to building safe, intelligent, and accessible low-altitude flying products.

Starting with the world’s first mass-produced modular flying car, we will continue to launch more products for diverse scenarios—from personal flying experiences to urban air commuting and end-to-end three-dimensional transportation. Our mission is to popularize low-altitude flights, enabling everyone to enjoy the freedom and convenience of flying.



Brand Mission

Freedom to Fly

Brand Vision

Global Leader in Low-Altitude Product Innovations



ARIDGE Pre-Research Products

2019
Traveller
T1



2016
Flying
Motorcycle



2020
Traveller
X1



2018
Two-Seater
Prototype



2021
Traveller
X2





R&D, Testing, and Production

Two Major R&D Center

Guangzhou XPENG Park R&D Center
Shanghai Advanced R&D Center

Three Major Test Bases

Ground Comprehensive Testing Center
Guangzhou Tianhe Test Base
Guangzhou Huangpu Test Base

Three Major Test Flight Bases

Anhui Mingguang Test Base
Guangdong Chishui Test Base
Guangdong Huangpu Test Base

World's First Intelligent Flying Car Manufacturing Facility

120,000 ㎡
Gross floor area

10,000 units
Planned annual capacity

30 mins
Takt time at full capacity



Core Management Team



Xiaopeng He

Chairman

Established UCWeb Inc.

Established UCWeb Inc.
Jointly invested and established XPENG Motors.

Work as the Chairman and CEO of XPENG Motors.

Invested ARIDGE.



Deli Zhao

Founder & President

Began to explore low-altitude manned air mobility in 2013.

The first person to create the flying motorcycle in China..



Tan Wang

Co-Founder & Vice President

Chief designer of ARIDGE.
Graduated from Dongseo University of Korea with a master's degree.

Won China Industrial Design Award (Gold Prize), IF Design Award, Red Dot Design Award, Red Star Design Award, and more.



Congwei Zheng

Co-Founder & Vice President

Worked as the R&D general manager in the startup team of UCWeb Inc.

Worked as the general manager of game development in Alibaba.

Work as the vice president of ARIDGE.

Team Composition

Our team brings together high-tech R&D experts across multiple domains of flying car development. Including overall design, industrial design, aerodynamics, payload, structure, strength, integrated avionics, intelligent driving, and powertrain systems.

Including the Chinese head of the Z-15 program, the ARJ project management lead, chief designer for aerodynamics of the AG600, chief designer for avionics of the AG600, chief specialists in aerodynamics and flight testing for the C919, experts in the C919 flight control field, as well as experts in strength and loads from the 601 Institute.



80%

R&D Team Composition

85%

Aviation, Automobile, and Internet Industries

55%

Graduated from Top-Level Universities (R&D)

40%

Master and PhD Degree (R&D)

Research Achievements

As of 2025, XPENG AEROHT has filed a total of 965 Chinese and international patents, including 675 invention patents, primarily focused on the core fields of flying car power systems, safety systems, avionics systems, autonomous driving, flight control, and overall flying car structures

Notably, the exterior design patent of the X2 received the Silver Award for Exterior Design at the 14th China Patent Awards, and the patent for the “High-Safety and High-Reliability Flight Control Navigation System for Flying Cars” won the Gold Award at the 2024 Guangdong-Hong-Kong-Macao Greater Bay Area High-Value Patent Cultivation and Layout Competition, representing a significant milestone in our patent portfolio.

*Data as of July 2025

Four Core Areas Vertically Integrated



Three-High Power System

Three iterated generations.
Industry-leading performance metrics.



Aviation Grade Composite

Industrialization of
151 key components.
10,000-unit-capacity smart
factory ready by year-end.



Flight Control and Navigation

Full-stack in-house developed
flight control system and navigation system.
Triple-redundant flight control and navigation system, intelligent flight envelope protection, low-battery automatic landing, and AI-based high-precision flight time estimation technologies.
Making flying safer.



Aerial Autopilot System

100+ specialists in aerial intelligent piloting.
World’s first 3D low-altitude flying system: one-click takeoff, return, smart landing.

Capital Markets' Continued Optimism for the Flying Car Sector

Over $500 Million Series of Financing

October 19, 2021,
ARIDGE completed a Series A financing round of over $500 million.

¥1.26 billion Bank Group Loan

April 1, 2025,
five banks jointly provided ARIDGE with a syndicated loan of ¥1.26 billion.

$250 million Series B financing

July 2025,
ARIDGE secured $250 million in Series B financing.



The Future Passenger eVTOL Market Will Evolve into Two Major Segments

Personal eVTOL



Commercial eVTOL



“Three Steps” Product Strategy

1

Limited Scenarios



2

Typicial Scenarios



3

3D Transportation



“Three Steps” Product Strategy

1

Limited Scenarios



2

Typicial Scenarios



3

3D Transportation



“Land Aircraft Carrier”
Modular Flying Car

Facilitating leisure getaways around urban areas

Enriching the flying experience





Four Key Challenges of Traditional Passenger eVTOLs



Storage



Recharging



Ease of Use



Tranportation

Putting the Aircraft into the Car

World’s first in-vehicle automatic separation & reconnection mechanism

One-touch operation, achieving automatic decoupling/coupling between ground and flight modes in just 5 minutes



Electric Vertical Take-Off and Landing Aircraft

Innovative six-rotor dual-duct configuration

Foldable propellers and arms





270° Panoramic Two-Seater Cockpit

Made from polycarbonate glass with a single curved piece that’s 200 times more impact-resistant than regular glass



Carbon Fiber/ The Ultimate in Lightweight Durability

Made from polycarbonate glass with a single curved piece that’s 200 times more impact-resistant than regular glass



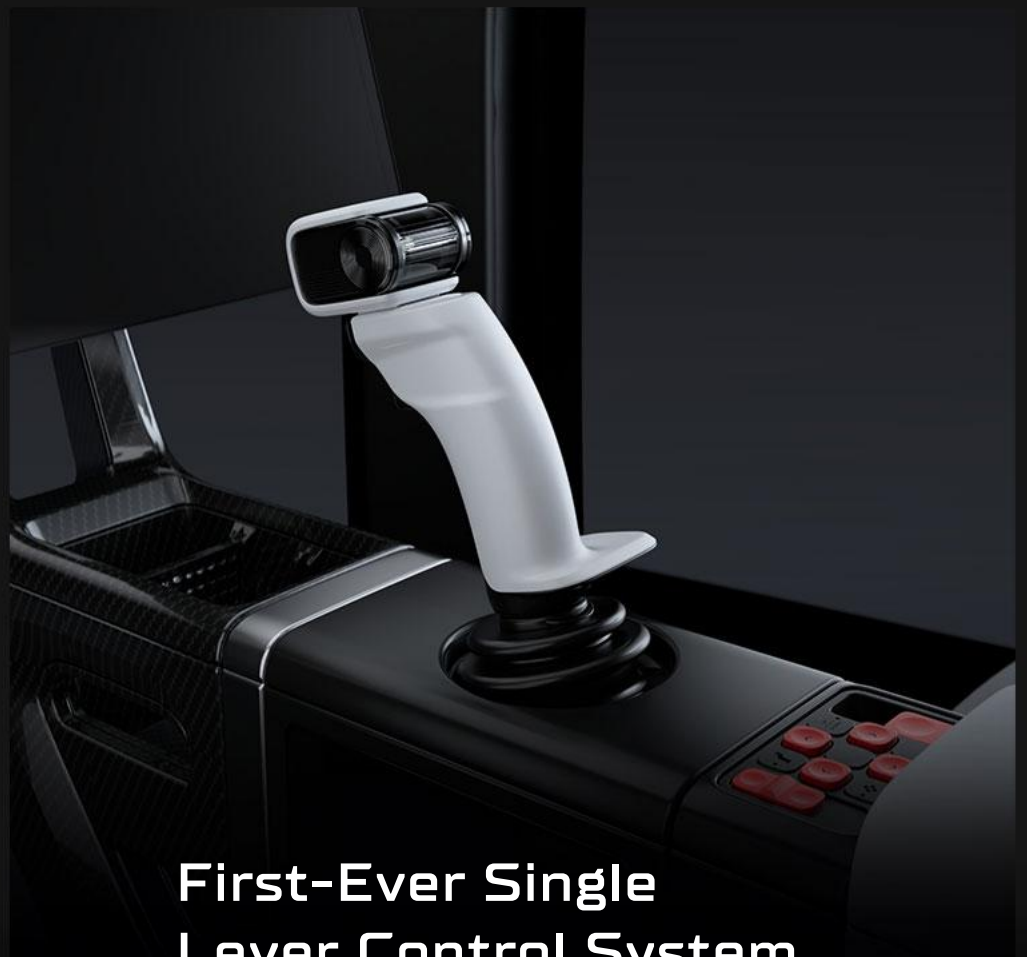
High-Efficiency Flight AC

Remote start option for a comfortable in-flight experience.

Simplified Controls Make Flying More Accessible

Manual and automatic modes make flying easier than ever





First-Ever Single Lever Control System

Fly with just one hand, simplifying the entire experience



Full-Process Intelligent Flight Assistance

One-touch automatic takeoff with route planning and autonomous navigation

Redundant Safety Systems

In case of primary system failure, the backup system seamlessly activates, ensuring multiple layers of safety.

Flight Control

3 Redundancy

Power and Energy

2 Redundancy

Low-Voltage Power Supply

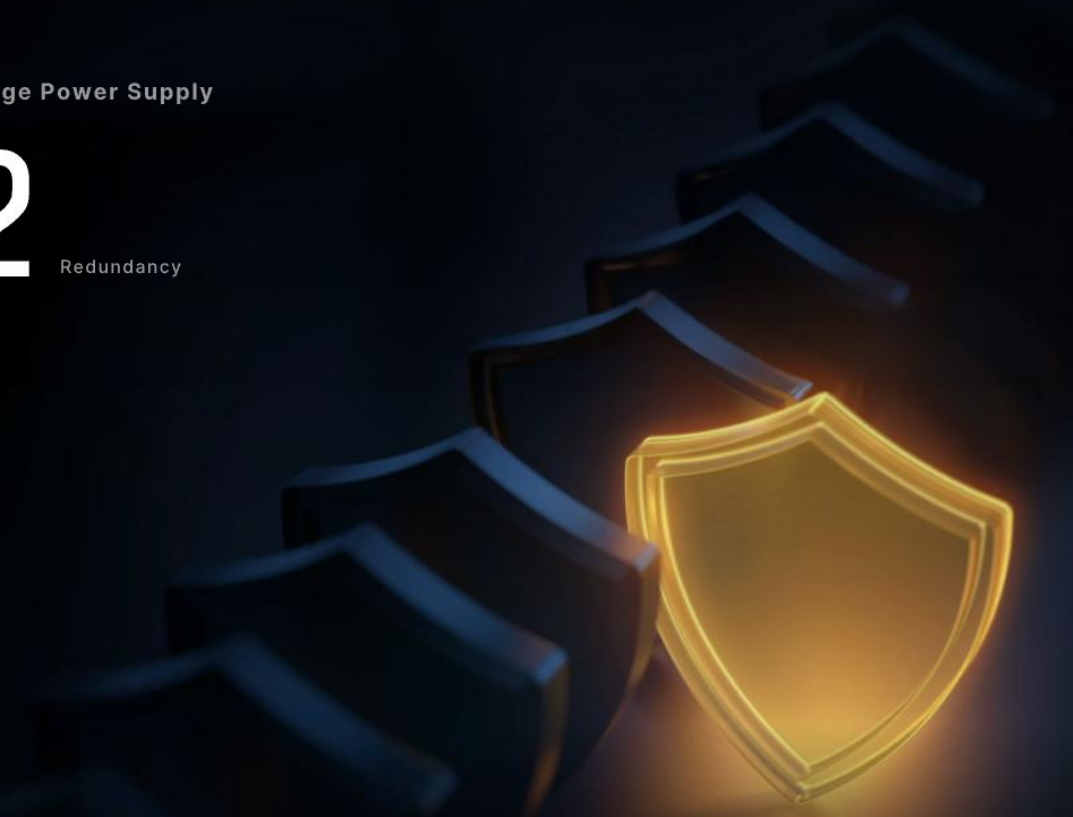
2 Redundancy

Communication

2 Redundancy

Control

2 Redundancy



Full-DomainRedundant Safety



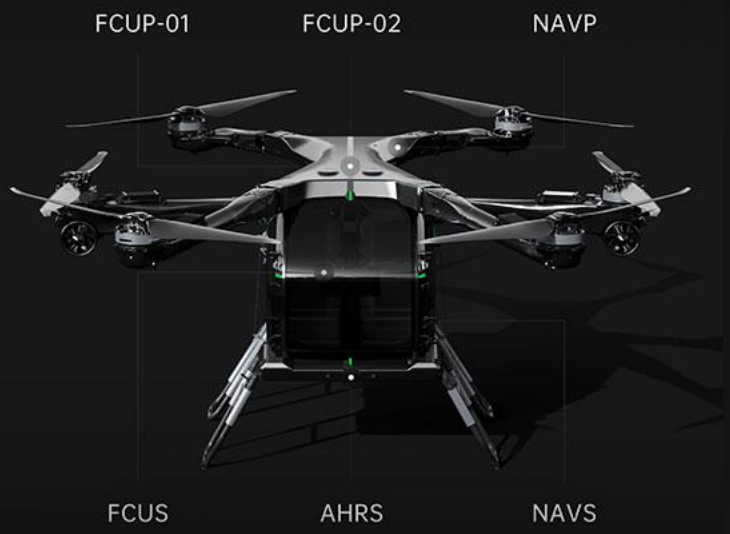
Super Battery

Cell-to-Body (CIB) integrated structure, Compliant with aviation-grade impact standards, AI real-time battery safety monitoring, Redundant control for enhanced safety backup, Provides high-heat safety protection at aviation standards.



Advanced Propulsion Unit

Embedded 800V silicon carbide power module, Top-class high-speed, bidirectional electric duct, Millisecond-level power response, Redundant communications control.



Intelligent Flight Navigation System

Triple-redundant heterogeneous backup, Mitigates flight control and navigation failure, Maintains safe flight even with two system failures.

Full-DomainRedundant Safety



Intelligent Attitude Protection

Keeps all flight parameters within safe limits for stable, secureoperation.



Multi-Dimensional Aerial Perception System

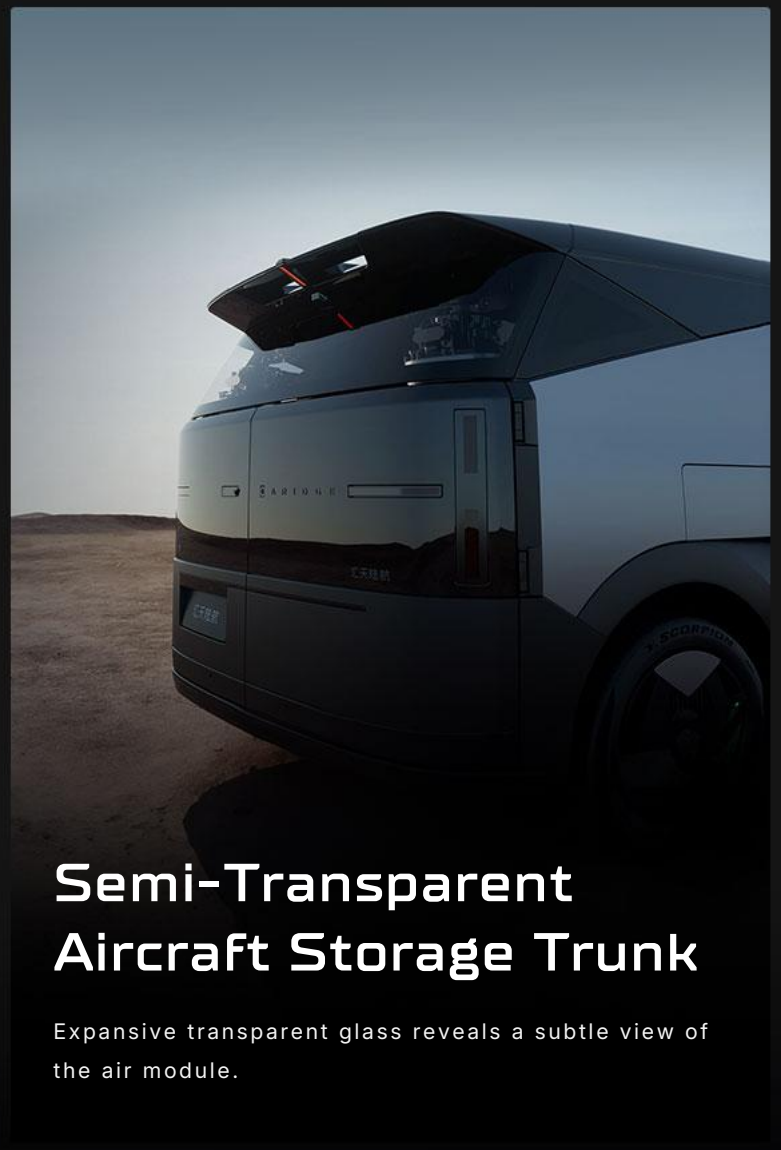
3D low-altitude navigation with smart obstacle prediction and wide-angle ground imaging.


Ground "Mother Ship"
A 6-wheel vehicle drivable with a standard license
Spacious four-seater design, effortless access to underground garages, easily fits into standard parking spaces

Lunar Rover for the Earth's Surface

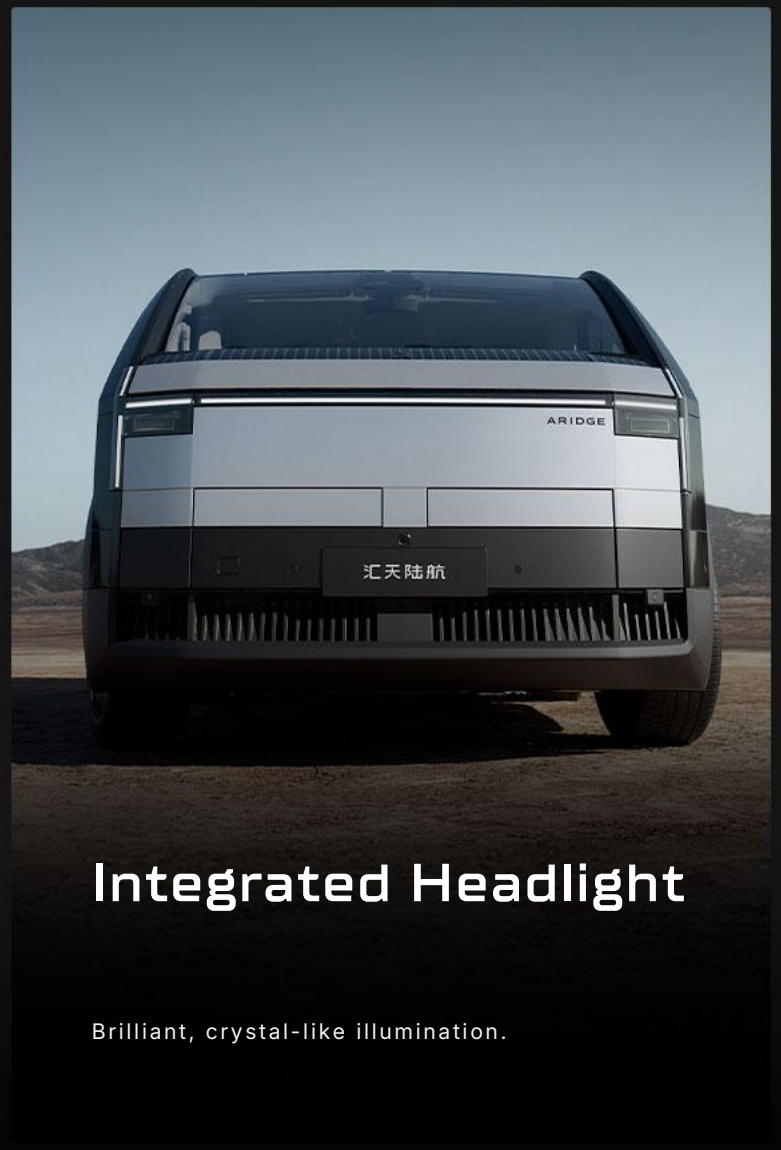
Sleek, sharp design—a new species at first glance





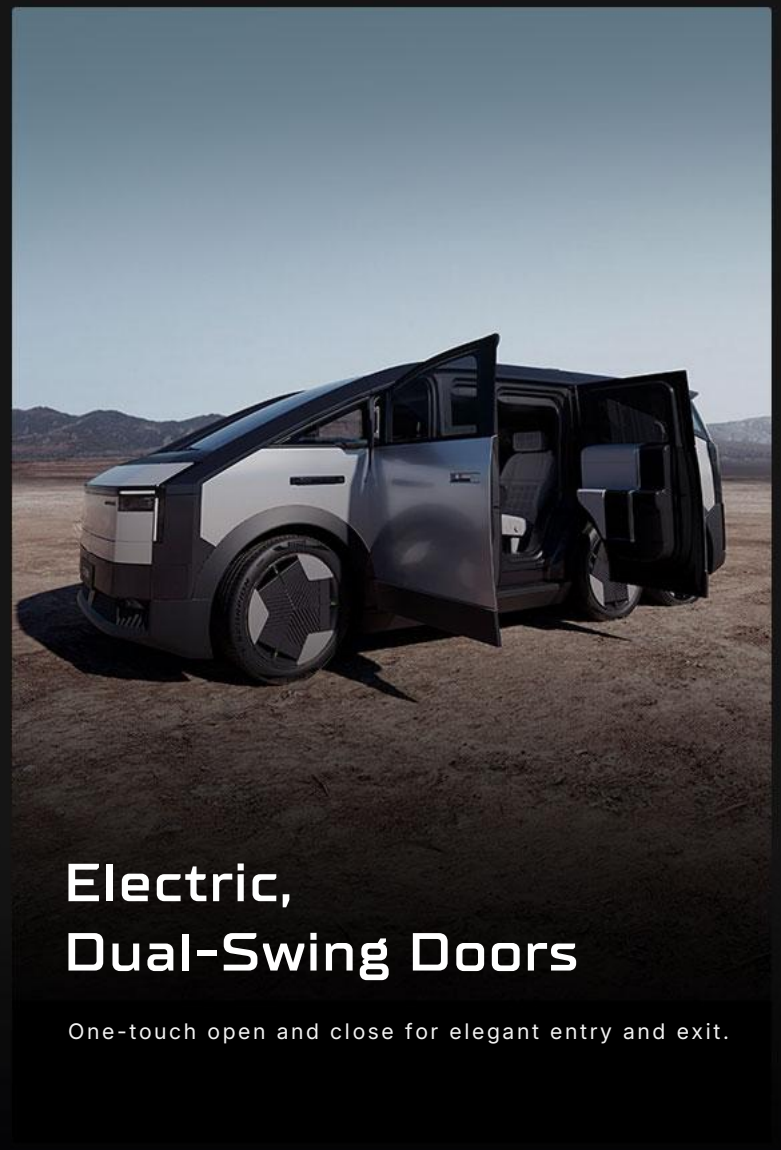
Semi-Transparent Aircraft Storage Trunk

Expansive transparent glass reveals a subtle view of the air module.



Integrated Headlight

Brilliant, crystal-like illumination.



Electric, Dual-Swing Doors

One-touch open and close for elegant entry and exit.



World's First 800V High-Voltage Silicon Carbide Range-Extended Platform

CLTC Combined Range of Over 1,000 km.

Data Source: ARIDGE Test Lab

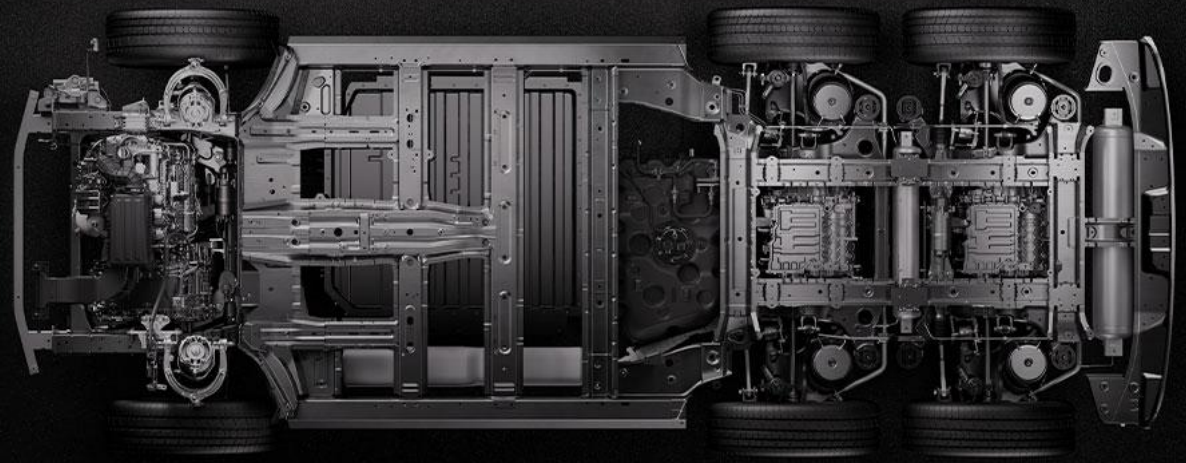
Mobile Supercharger

Provides high-power recharging for the aircraft during driving and parking. A full charge and fuel allows for up to 6 flights.



Six-Wheel Suspension System

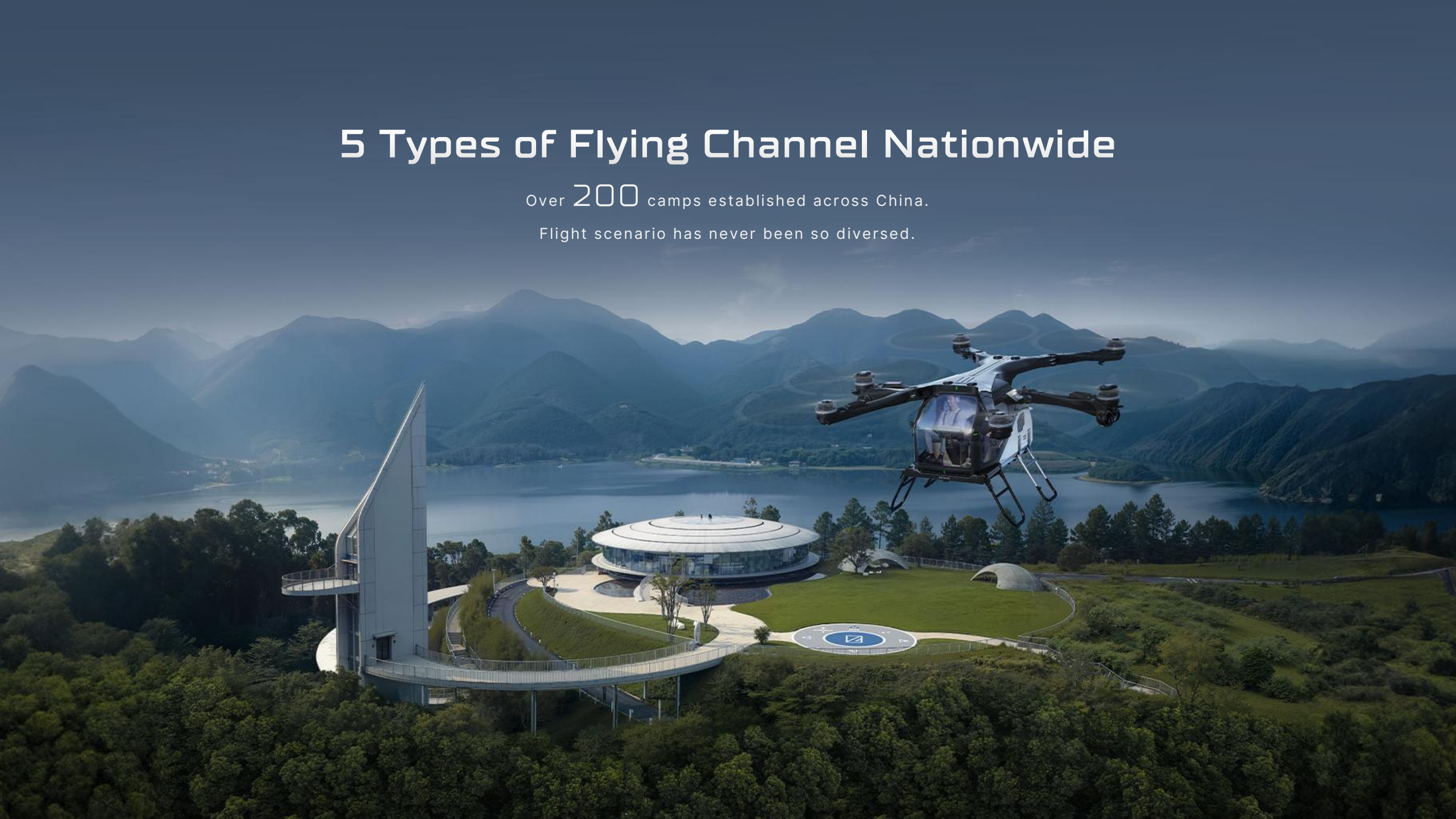
6x6 all-wheel drive with rear-wheel steering for enhanced load capacity and off-road performance.



5 Types of Flying Channel Nationwide

Over 200 camps established across China.

Flight scenario has never been so diversed.



Sky Port

Flagship camps with exhibition, sales, delivery, and flight functions,
flexibly combining functions such as after-sales service and flight training.




Sky Pilot
Professional training for pilots
and instructors.

Sky Camp

Located around the cities' flight lifestyle community.
Bringing a wide range of flight experiences to your doorstep.



Partner Program

Take off from your own launch point in the trillion-dollar low-altitude economy.



Airworthiness Milestones of the X3-F (Air Module of the Land Aircraft Carrier)



中 国 民 用 航 空 局

受 理 申 请 通 知 书

受理编号：PC-226-2025-04　　日期：2025 年 05 月 08 日

1. 申请单位名称：广州汇天飞行汽车制造有限公司

地　　址：广州市黄埔区香山路 17 号办公楼 4 层 416

邮政编码：510663

2. 申请理由：

广州汇天飞行汽车制造有限公司生产许可证首次申请项目

3. 申请日期：2025 年 05 月 08 日

4. 受理意见：

同意受理

审查费

请电付至：详见缴费通知书。

受理人签字

局（9）

May 2025

The airframe of the Land Aircraft Carrier Production Certification application had been accepted by the Civil Aviation Administration of China. Marking the beginning of regulatory authority review of the mass production system for flying car products.



September 2024

In September 2024, the first Technical Certification Board (TCB) meeting for the XPENG AEROHT “Land Aircraft Carrier” X3-F type aircraft (X3-F is the internal codename) was held in Guangzhou, marking the full entry of the X3-F into the airworthiness review phase.



中 国 民 用 航 空 局

受 理 申 请 通 知 书

受理编号：NATC02174　　日期：2024 年 03 月 21 日

1. 申请单位名称：广东汇天航空航天科技有限公司

地　　址：广州市番禺区小谷围街大学城外环西路 318 号

邮政编码：510640

2. 申请理由：

X3-F（X3-F1 型号合格证首次申请项目

3. 申请日期：2024 年 03 月 20 日

4. 受理意见：

同意受理

审查费

请电付至：详见缴费凭证

受理人签字

局（9）

March 2024

In March 2024, the application for the model certificate (TC) for the flight body (codename: X3-F) of XPENG AEROHT’s “Land Aircraft Carrier” modular flying car was officially accepted by the Central South Regional Administration of the Civil Aviation Administration of China.

“Land Aircraft Carrier” to Begin Mass Production and Delivery in 2026



“Three Steps” Product Strategy

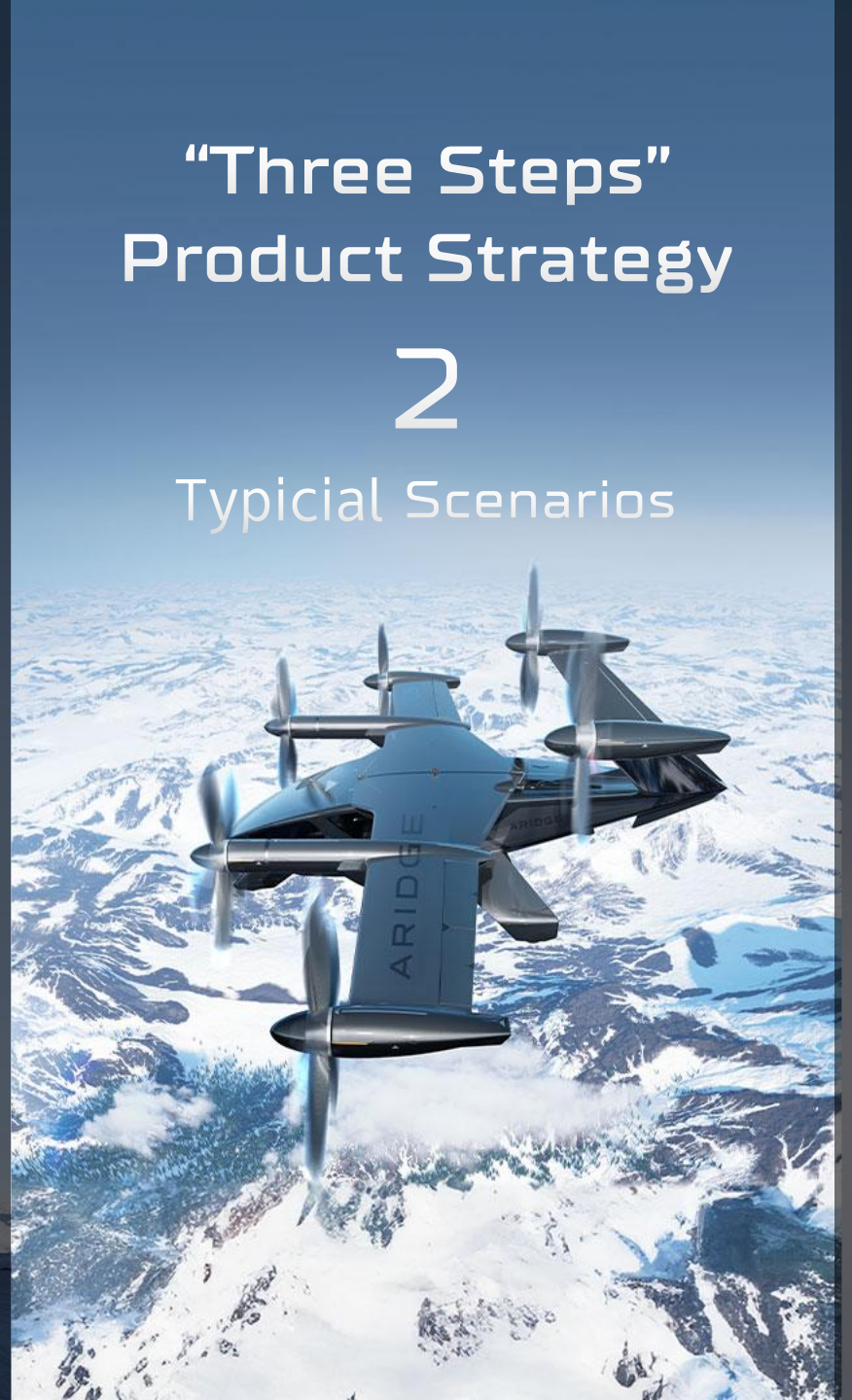
1

Limited Scenarios



2

Typicial Scenarios



3

3D Transportation



A868
High-Speed Long-Range Full Tilt-Rotor Flying Car

Enabling efficient inter-city commuting.
Unlocking a new era of urban mobility.



Range ≥500km， Speed ≥360km/h (Design Target)

Featuring full tilt-rotor technology, hybrid-electric power system



“Three Steps” Product Strategy

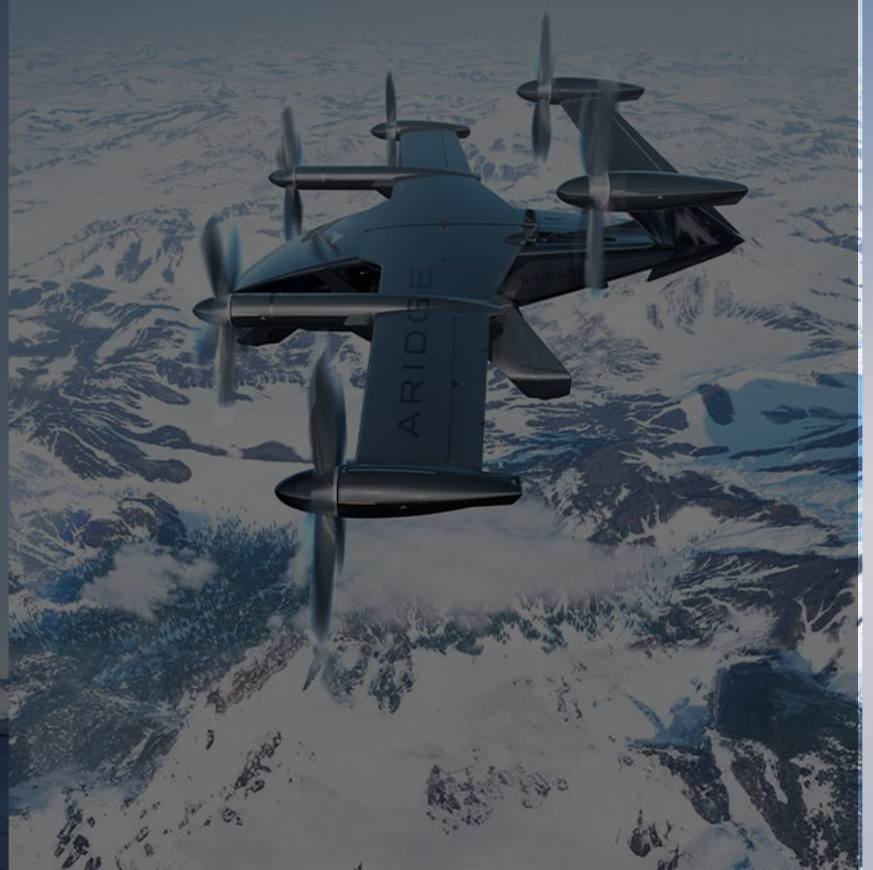
1

Limited Scenarios



2

Typicial Scenarios



3

3D Transportation





eVTOL Flying Car

Towards future end-to-end 3D transportation.



Our Journey

2013-2018

2013

Huitian set sail in Dongguan.

2018

The first prototype flying car began test flights.

2019

The Traveller T1 was developed and successfully test-flown, earning international design honors including the iF Award, Red Dot Award, and IDEA.

2020

Sep.

He Xiaopeng made a strategic investment, officially establishing XPENG AEROHT.

Nov.

The Traveller X1 was developed and successfully test-flown.

2021

Jun.

The Traveller X2 completed its first manned flight.

Oct.

Closed Series A financing of over USD 500 million, the largest single round in this sector in Asia.

2022

Oct.

The Traveller X2 completed its first overseas public flight in Dubai. The integrated flying car prototype achieved its first successful flight.

Nov.

Secured RMB 6 billion in credit lines from China's four leading banks.

2023

Jan.

X2 obtained China's Special Flight Permit.

Oct.

Successfully tested the self-developed multi-parachute rescue system. Launched the modular flying car "Land Aircraft Carrier."

2024

Mar.

Application for the "Land Aircraft Carrier" Type Certificate (TC) was accepted by regulators.

Jul.

Signed an Investment & Cooperation Agreement with Guangzhou Development Zone.

Oct.

Broke ground on the Flying Car Manufacturing Base in Huangpu, Guangzhou.

Nov.

Conducted the global public manned maiden flight of the "Land Aircraft Carrier."

2025

Jul.

Raised USD 250 million in Series B financing.

Sep.

Signed a strategic cooperation agreement with Ras Al Khaimah Transport Authority; the "Land Aircraft Carrier" received a special flight permit in the UAE. Completed construction of the Flying Car Manufacturing Base.

Beneath Starry Skies and Vast Horizons
We Embark Together

