

ALTITUDE LAB 高度實驗室

Born for the Passion of Flight



Legends, Reborn Here

Core Philosophy

We believe true craftsmanship resides in an obsession with details—and in endowing creations with the soul of flight.

Altitude Lab integrates the precision of engineering philosophy with the warmth of vintage mechanical aesthetics. We go beyond mere appearance imitation: we delve even deeper into the essence, deconstructing its structure and spirit. Aviation history into exquisite works of art that you can build by hand and pilot to take flight. When the final work takes shape and soars in your hands, we hope you can sincerely say:

“YOU ARE THE MASTER.”



From a vision to a legacy

Our Story



Altitude Lab was born from a pure vision: to make master-level aircraft model art accessible to all.

Founded in Nanjing in 2024, we have strived to bridge the gap between ultimate craftsmanship and widespread passion. We transform complex aircraft designs into logical, rigorously standardized modular systems.

Whether you choose the ARF (Almost Ready to Fly) version for instant flying pleasure or the KIT set to savor the entire creation process, we are committed to making the building experience as full of exploration and joy as flying itself.

We pay tribute to the masters and classics in aviation history, and we hope to empower every enthusiast to discover the master within themselves through hands-on creation.



J-3 CUB 1/4 SCALE

Craftsmanship Model • Now Available

Iconic Creations

As the debut work of the "Classic Replica Series," it fully embodies our brand philosophy: perfect integration of form and spirit, with realistic functionality.

- Beauty of the Frame: Balsa wood and composite material fuselage, showcasing precision laser-cut ribs, I-beams, and the original "Force Transmission and Dispersion Frame."
- Window to the Soul: Focusing on the exquisitely detailed upper curved simulated instrument panel, warning plates, and all operable throttle and mixture knobs.
- Mystery of Transmission: Steel Cable Transmission System extending from the cockpit to the control surfaces, reflecting the mechanical aesthetics loyal to the original.

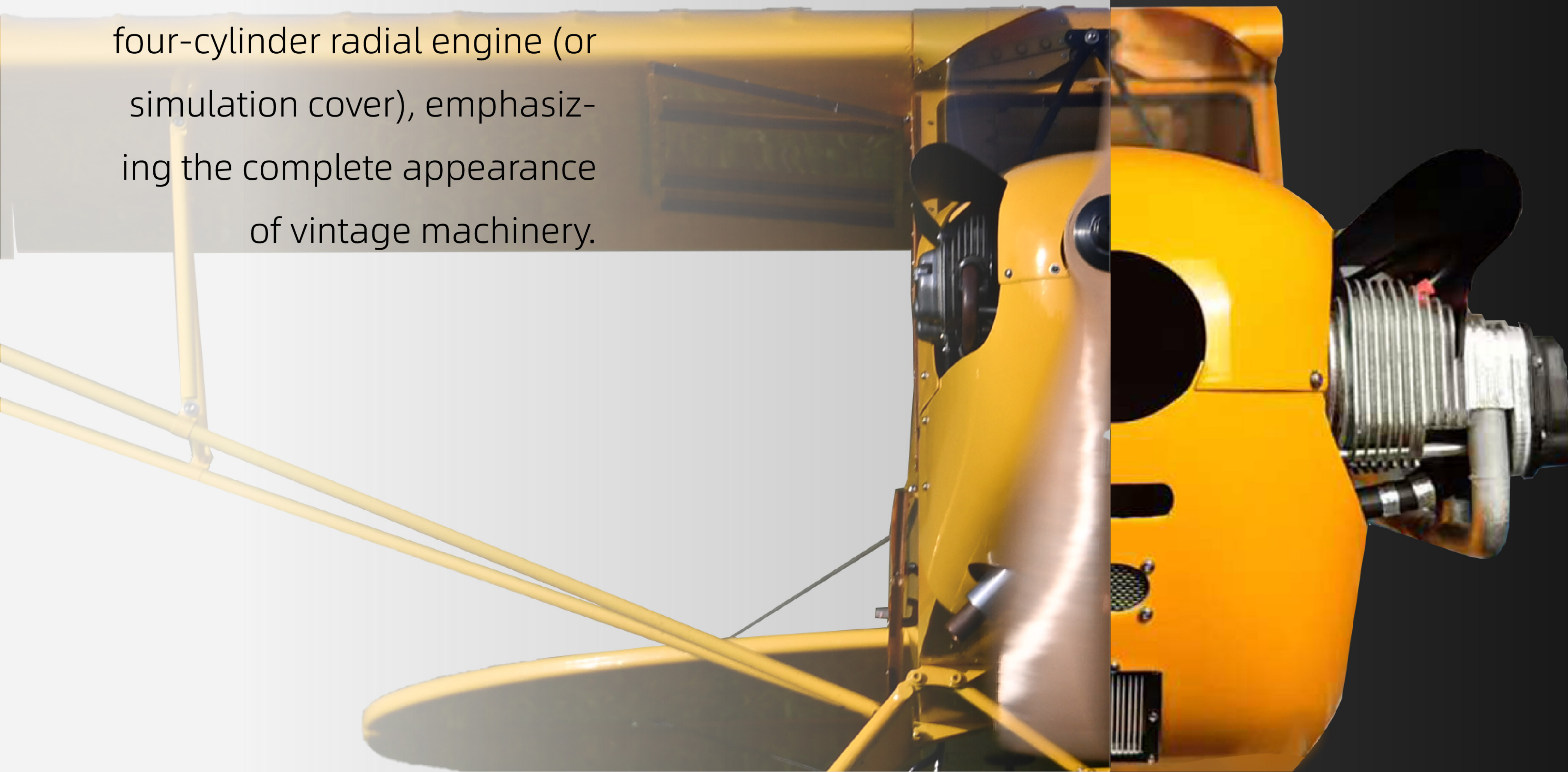
Power Evolution Area

Classic Heart

Displays the nose section equipped with a traditional four-cylinder radial engine (or simulation cover), emphasizing the complete appearance of vintage machinery.

Quiet Power

Exclusive to the electric version: Exploded or cross-sectional view of the simulated engine cowl, intuitively showing how the internal hidden air guide duct efficiently cools the motor, achieving a performance solution with uncompromised appearance.



Coming Soon · Available Within 4 Months

Horizons

BASED ON PIPER PA-18 SUPER CUB

Following the J-3, we pay tribute to another legend that defines "pragmatism" – the "Super Cub." It symbolizes toughness, versatility, and pure wilderness adventure spirit.

Technology Preview Area:Enhanced Modularity: Displays the innovative quick-connect design of wings and fuselage.

Performance-Oriented:Optimized High-Lift Airfoil and reinforced tailwheel landing gear to cope with complex terrain.

Practical Aesthetics:Interface possibilities for various external equipment (such as skis, floats), emphasizing its multi-functional expandability.



PRECISION. TRUTH. CONNECTION.

Our Approach

1. Digital Craftsmanship

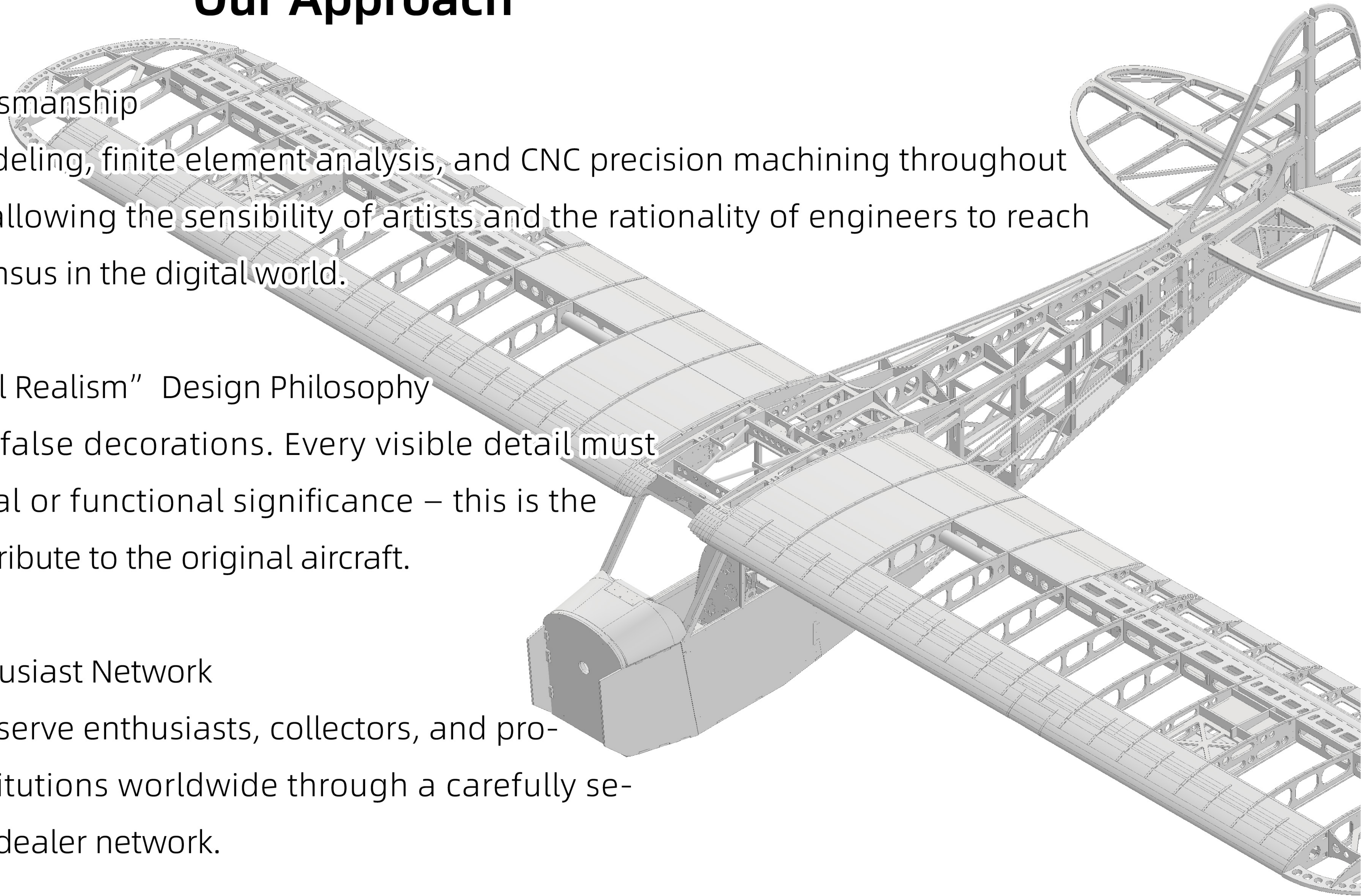
Adopt 3D modeling, finite element analysis, and CNC precision machining throughout the process, allowing the sensibility of artists and the rationality of engineers to reach perfect consensus in the digital world.

2. “Functional Realism” Design Philosophy

We abandon false decorations. Every visible detail must have structural or functional significance – this is the most sincere tribute to the original aircraft.

3. Global Enthusiast Network

Our products serve enthusiasts, collectors, and professional institutions worldwide through a carefully selected global dealer network.



WHERE ENGINEERING MEETS ART

The Craftsmen Collective

We are a group of practitioners united by extreme passion. Our team brings together profound expertise in aerodynamics, precision machinery, sculptural art, and digital technology, ensuring every model possesses a scientific soul, artistic form, and reliable quality.



Professor Yao

Aerodynamics Consultant

Aerodynamics Professor, proficient in model aircraft making and manned aircraft design for 40 years.



Nelson Wang

Founder & Creative Director

A sculptor and aircraft model designer with 30 years of dedication. He excels at turning machinery's rational beauty into emotional, soulful works of art.



Charlize Chu

Global Brand & Marketing Director

Bring our philosophy and products to a global audience, connecting with enthusiasts around the world.



Howard Huang

Senior Industrial Designer

Proficient in integrating advanced design processes, digital tools and model innovation.

TOUCH THE SKY, PRESERVE THE TIME.

Vision & Invitation

We are not only manufacturers of models but also inheritors and connectors of classic aviation culture.

We deeply understand that brands with profound legacies, such as Junkers, derive their value not only from products but also from a period of history and a spirit. We look forward to dialoguing with such brands, jointly safeguarding humanity's shared aviation memories through miniature art, and inspiring generations of dreamers to come.

Let us together, keep the legends alive and let dreams take flight.



China • Nanjing
nelson@altitudelab-rc.com

Facebook: @Nelson Wang (Technical exchange) / @Chu Chu (Business cooperation)