

Changchun Aerospace Expo by Cheng Sun, Dagang Qu and Xi Huang Wins Gold A' Design Award

Aerospace Landmark Merging Space Silhouettes With Wetland Ecology Recognized for Design Excellence

COMO, CO, ITALY, September 8, 2026 /EINPresswire.com/ -- The A' [Design Award](#) has announced Changchun Aerospace Expo by [Cheng Sun, Dagang Qu and Xi Huang](#) as a Gold winner in the [Architecture](#), Building and Structure Design category. The A' Design Award is one of the world's highly respected and well-recognized design competitions, drawing entries from architects, studios, and brands across the globe. This Gold A' Design Award recognition highlights Changchun Aerospace Expo as an outstanding example of good design within the field of architecture. The distinction acknowledges the project's thoughtful integration of cultural ambition, ecological responsibility, and technical precision.



Changchun Aerospace Expo

The recognition holds meaning for the architecture industry and the wider public by demonstrating how bold cultural landmarks can coexist with sensitive ecological settings. As communities increasingly seek facilities that balance aspiration with environmental stewardship, Changchun Aerospace Expo offers a relevant model. The project advances industry practices by uniting aerospace education with wetland preservation in a demanding cold-climate region. Its low-impact waterside layout and high-performance building skin illustrate practical benefits for users, stakeholders, and the surrounding park, prioritizing climate adaptability and public accessibility.

Changchun Aerospace Expo features a curved form that mirrors space silhouettes, linking

cosmic aspirations to the wetland landscape. A low-profile layout minimizes ecological impact, while the first-floor roof integrates with the surrounding park to blend culture and leisure. The structure employs a custom steel framework to realize floating forest and flying vehicle motifs, balanced by an integrated skin that ensures thermal efficiency and material savings. Building Information Modeling and computational design optimized the structure for extreme cold, while high-precision steel fabrication achieved the complex curved geometries. Research using Rhino, Grasshopper, and BIM tools demonstrated a fifteen percent reduction in material waste.

This Gold A' Design Award recognition may inspire future projects that pursue the intersection of computational design and sustainable architecture. The achievement reinforces the value of advanced simulation in reconciling artistic vision with environmental constraints. For the team behind Changchun Aerospace Expo, the distinction serves as motivation to continue exploring how cultural landmarks can responsibly engage with delicate ecosystems and cold climates.

Project Members

Changchun Aerospace Expo was led by Lead Architects Cheng Sun and Dagang Qu, who guided the overall design vision. Architect Xi Huang contributed to the architectural development, while Architects Xumiao Guo and Xiufeng Li supported the design and technical execution of the project.

Interested parties may learn more about Changchun Aerospace Expo, view the design, and explore the work of its creators at the dedicated page provided by the A' Design Award.

<https://competition.adesignaward.com/ada-winner-design.php?ID=179246>

About Harbin Institute of Technology Sun Cheng Young Scientist Studio

Harbin Institute of Technology Sun Cheng Young Scientist Studio integrates intelligent technologies and computational thinking within the architectural field. The studio has implemented computational design theories, methodologies, and advanced technologies across several landmark projects, focusing on technical precision and innovative execution.

About the Gold A' Design Award Recognition

The Gold A' Design Award is granted to designs that demonstrate a high level of innovation and a notable impact on their intended audience. Evaluated against criteria including innovative use of space, structural integrity, environmental impact, functional efficiency, material selection, technological integration, and integration with surroundings, recognized works reflect considerable skill and a visionary approach. Additional considerations such as cultural sensitivity, energy efficiency, use of natural light, spatial harmony, resilience to weather, and accessibility inform the assessment. Gold A' Design Award designations identify projects that serve as benchmarks for excellence and contribute meaningfully to the advancement of architecture and design. These designs are highly regarded for delivering value to their users and their broader communities.

About A' Design Award

The A' Architecture, Building and Structure Design Award is an esteemed competition that welcomes a wide range of participants, including architects, engineering firms, construction companies, and influential brands from the architecture and design industries. Entries are blind peer-reviewed and voted upon according to pre-established evaluation criteria by a world-class jury panel of design professionals, industry experts, journalists, academics, and designers. The ultimate aim of the A' Design Award is to recognize and promote superior products and projects that advance and benefit society, driven by a philanthropic mission to help create a better world through the power of good design. Organized annually since 2008 and now in its 18th year, the A' Design Award is an international and juried design competition held across all industries, with participation open to entries from all countries. Interested parties may learn more about the A' Design Award, explore the jury, view past laureates, and take part with their projects at the following url: <https://worldarchitecturerankings.com>

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