

How can the management system transform the low-altitude economy?

The establishment of standards and rules by relevant national authorities, coupled with the delegation of authority to local governments at all levels, is an inevitable choice for the transformation of the management system in the future development of the low-altitude economy.

Is the low-altitude economy forming a new economic domain?

The low-altitude economy has huge growth potential, theoretically forming a new, expansive economic domain. The government has already signaled its commitment to develop the sector, for which the digital low-altitude economy network must be advanced, guiding the orderly progression of the low-altitude economy.

How can China develop a low-altitude economy?

The low-altitude economy, driven by cutting-edge technology, efficient operations and high-quality development, has immense potential, as it can be a powerful driver of China's high-quality growth and industrialization. However, the development of the low-altitude economy hinges on effective and efficient airspace management.

How to establish a digital low-altitude economy network?

To establish a digital low-altitude economy network, it is essential to develop a scientific management perspective, clearly define the low-altitude economy's scope, and understand the objectives of operational modes of management.

What would happen if low-altitude flights were not regulated?

Without low-altitude flights, the low-altitude economy will only be a theoretical construct. Traditional aviation, regulated by the stringent rules of the civil aviation and military departments, ensures the safety and reliability of high-altitude flights.

What are the challenges facing low-altitude airspace?

Despite the ongoing efforts to open low-altitude airspace and pilot low-altitude applications, significant challenges remain due to inadequate digitalization of communication, navigation, surveillance and airspace systems.

energy can't use the whole day in a row, so need to design effective energy management system to manage, collection, storage and consumption of energy, in order to make a low-altitude ...

The conversion efficiency of solar energy and the capacity of energy storage batteries limit the development of low-altitude solar-powered aircrafts in the face of challenging meteorological ...

Low-altitude economy is a comprehensive economy that takes many kinds of unmanned and manned vehicles

as the main body, carries out low-altitude flight activities in the range of less ...

5 ???· The Yangtze River Delta region is set to develop world-class industrial clusters in key industries, including new energy vehicles and the low-altitude economy, as part of efforts to ...

It will further enhance EHang's eVTOL products in terms of safety, endurance, and operational efficiency, in order to better meet the core demands of convenience, efficiency, and economy ...

2 ???· On November 18th, the 2024 Greater Bay Area Science Forum gathered experts and scholars to exchange ideas on cutting-edge topics, including the low-altitude economy, ocean science, and energy ...

The UFC/XFC batteries to be jointly developed by both parties for eVTOL aircraft will offer a full scale of advantages in terms of fast charging speed, which is expected to only take five to ten minutes to be charged from 30% to ...

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Within the low-altitude economy, AGI empowers massive UAVs to navigate under varying weather conditions, evade random obstacles like birds, and optimize flight paths, thereby enhancing ...

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The low altitude economy could contribute between 3 trillion yuan (US\$422 billion) and 5 trillion yuan to China's economy by 2025, the white paper said. It added that with its innate digital economic DNA, the low altitude ...

Introduction to Low-altitude Economy. Low-altitude airspace typically refers to the airspace within 1,000 meters from the ground, and it may extend to 3,000 meters based on ...

